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THE AMERICAN FLORIST



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

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**SOCIETY OF AMERICAN FLORISTS AND
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**AMERICAN ASSOCIATION OF PARK
SUPERINTENDENTS.**

Next meeting at Boston, Mass., 1912. W. H.
DUNK, Kansas City, Mo., Pres.; F. L. MULFORD
Washington, D. C., Sec'y-Treas.

SUGGESTIONS FOR PLANT GROWERS.

Seeds for Present Sowing.

There are a number of plants that in order to obtain the best stock it is necessary that the seeds be sown during January. *Centurea gymnocarpa* is slow in making it growth and to have nice plants for edging the beds of geraniums and other plants an early start is required. *Vinca rosea* should be sown in January to obtain good blooming stock at planting time. *Lobelia* should be sown by February 1 that fine stock plants may be had. If it is proposed to reset the smilax beds next year this is the time to get the seed started. *Begonia Vernon* and the other summer blooming varieties, if sown early, make fine plants by May, full of flowers. *Gloxinas* and *Tuberous begonias* can be sown at this time and blooming plants had for the coming summer. Many growers have given up the propagation of *verbenas* from cuttings and depend upon seedlings and to have a nicely branched plant by June 1 the seed should be sown the last of January. Another useful border plant is *Pyrethrum aureum* (Golden Feverfew) and this should be sown early to get good sized plants at bedding out time. There are not many *canas* these days, grown from seed, but anyone intending to grow them in that manner should sow the seeds in January. These seeds will germinate much more readily and evenly if soaked in water for 24 hours before planting. *Asparagus plumosus* and *A. Sprengeri* should be sown now when there is good heat in the greenhouses, and these seeds, like the *canas*, start much more evenly if soaked.

Spireas.

The spireas are always a very useful plant at Easter, but they are classed among the cheaper plants at that time, so should be grown in such a way that they do not occupy valuable space any more than possible. They should be brought into a cool house by the middle of January and until the foliage begins to grow can be placed along the edge of the walks if room is not available, but they must not be left standing in this location too

long, for when the leaves begin to unfold they quickly draw toward the light and a plant growing to one side of the pot will be the result. So as soon as growth starts they should be placed on the bench in full light. They can be grown quite close together for some time, but when the foliage begins to touch that of the plants beside it they should be spaced out and given room enough for the plants to grow shapely. *Spireas* require a large quantity of water during their entire culture, especially those that are potted in as small a pot as possible, which is the general custom with all growers. To make the large specimens two or three clumps are planted in the same pot when started. These will make large plants for church decorations at Easter. If the plants are grown in a house which is to be fumigated by tobacco smoke they should either be removed from the house or well covered with papers; the foliage quickly burns when subjected to tobacco smoke and the plants are blemished.

Cyclamens.

"What can we do with the old cyclamen plants?" is a question often asked by many growers. As a rule the answer is, "Throw them away," for a plant can be grown to a 6-inch or 7-inch pot size in 16 months. That is, seed sown in September will produce such a plant for Christmas the following year, and it is uncertain how the old plants will carry through the spring and summer. There is a limited demand for cyclamen plants in larger sizes than 7-inch pots and they must of necessity bring a good figure to make them remunerative. The best way to handle them is after they are through blooming shake the old soil out and pot them up in fresh soil, two parts loam, one part well rotted manure and one part leaf mould, with a good sprinkling of sharp sand. If the soil is inclined to be heavy and sticky add more sand. They can frequently be potted in a pot a size smaller than that in which they have been growing. Place them in a cool temperature, that is, in a house from 45° to

50° at night, so as to encourage root action and slow growth. It used to be the custom to dry the bulbs off so that they lost all their foliage, and start them in the spring, but growers have found that our springs and summers are too hot and dry and it is often difficult to make the bulb, after it has been dried off, break a good luxuriant foliage, and it far better to keep the plant growing all the time. As the warm, sunny days of spring come in, the plants should be slightly shaded and as early as possible placed in cold frames and the glass shaded. The shade should not be made too heavy or the leaves will become drawn and an unshapely plant be the result. After the plants have begun to grow care should be taken that they do not become pot bound, but shifted into large sizes as soon as necessary. The watering of this stock will require constant study and attention. They should never become too dry and it is very easy to over-water, so they will require looking after very closely until a good growth has been encouraged.

Begonia Gloire de Lorraine.

For the large plants for next winter's flowering, we are placing the cuttings in the propagating bench now. The plants were selected before Christmas and strong, healthy specimens taken for propagation. The flowers were removed and the plants given a warm location that the best vigor might be maintained. Any leaf showing bluish is discarded, only clean, healthy leaves being used from which to raise the young stock. A warm propagating bed is chosen for these plants and the stems are inserted in the sand deep enough so that about half an inch of the leaf is below the surface. They are kept moist and warm until they are rooted, when they are potted in 2½-inch pots and placed in a warm house and shifted along as required. This may seem a trifle early by many growers to start the propagating of these plants, but there is always demand for some large specimens and fine leaves are obtainable at this time and they root easily during January and February when the propagating bench is warm. The plants will require considerable care and attention during the heated spell of July and August, but with plenty of ventilation and a light shade, they are easily kept moving and make fine plants for the holidays.

CLEVELAND, O.—The Wilson Floral Co. has been incorporated with capital stock of \$30,000. The incorporators are A. V. Cannon, H. L. Parmenter, O. O. Vrogman, L. G. Spieth and P. A. White.

DALTON, MASS.—A farewell reception was tendered James Shield and wife January 11 by members of the Knights of Columbus. Mr. Shields has moved his family to Woburn, Mass., where he has established a florist's business.

NEW YORK—Among those who have qualified for the position of deputy sheriff is Charles Thorley, the Fifth avenue florist, appointed by Sheriff Hamburger. The sheriff will appoint 1,000 business men to this office who will hold themselves in readiness for any emergency.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

John T. Muir's New Store.

A NEW STORE IN AN OLD LOCATION.

The coming year will see one great change in the retail branch of the business when one of the oldest firms in the city, that has for years been established in the residential part, will open a new store at a location that has been occupied by a floral store for more than twenty-five years. This has been brought about by the removal of the building on the corner of Wabash avenue and Monroe street and the erection of a large modern building to be known as the Goddard building and the leasing of the corner store and basement by John T. Muir for ten years and five months at an annual rental of \$9,000. Old-time flor-

A Big Country

Palm Beach, Fla., January 15.
—Gladioli are in full bloom here in the open ground. Cannas are well started about 10 to 12 inches high. The hedges of scarlet hibiscus with bushes of crotons 6 to 8 feet high make a grand show.

No, the thermometer is not at zero everywhere and those who have plants, bulbs and seeds to sell should remember that the demand starts early in many sections. The early advertisement gets there.

ists and visitors will remember this as the location of M. F. Gallagher for many years. This will make this corner a great floral center, for within one block of this store will be found five of the larger down town florist concerns, and this magnificent new store will no doubt draw a large volume of trade to this district which will be to the benefit of all.

The store will be 17 by 31½ feet fronting on Monroe street, adjoining the entrance to the building, and beside the show windows on the street will have plate glass windows inside facing the hall of the building and also an entrance into this hall. There will also be a basement space of 2,111 square feet, with a height of 12 feet to ceiling, with a marble entrance leading from the street and a five-foot mahogany stairway from the center of the store. In the basement will be a cold storage room 12 by 20 feet finished in tile and plate glass under the sidewalk, and a receiving room of like size with an opening in the sidewalk for freight elevator for receiving the stock. The store and basement will both have a mosaic floor, and a balcony will be built in the store to match the fixtures. Mr. Muir's long experience in the trade and the admirable taste which he has already shown in the fittings of his other stores, are a guarantee that this store will have fixtures that will be thoroughly up to

date and in perfect harmony so that it will be one of the finest stores for florist's use that can be fitted up.

The firm of Muir is one of the oldest in Chicago, having been founded by the late Samuel Muir, the son of a Scotch gardener, in 1865. The business was first located at Thirty-third and Kankakee streets, the latter now known as South Park avenue, where the greenhouse and residence were located, and the retail store was located at 121 Lake street, being burned out in the great fire of 1871. After the fire the store was on Congress street, between Michigan and Wabash avenues; this was later moved to Wabash avenue and then to 2205 Michigan avenue, which location was later sold to J. T. Anthony, who conducted it for many years. The greenhouses had in the meantime been erected at Fifty-fifth street and Center avenue. The location at 3530 Michigan avenue was acquired in 1883, and here Samuel Muir continued in business until his death in 1895. Greenhouses were erected for the cultivation of plants and a full line has always been produced, but the cultivation of flowers has never been attempted on any extensive scale, the firm being one of the large buyers on the market. The following year John T. Muir, the present proprietor and son of Samuel Muir, took charge of the estate and business. As the city grew and the residential district extended southward Mr. Muir, in 1906, erected a building on Grand boulevard and Forty-seventh street where he opened and fitted up a magnificent store, and has built up a flourishing business. The down town store when it is opened will give him three stores and will give him plenty to do to keep them in the splendid manner which has always characterized the business push of the firm.

John T. Muir, the present proprietor, was born March 26, 1869, at the residence on Thirty-third street, and grew up in the business. At the death of his father he assumed the management of the establishment and under his directing hand the business has grown annually. He is a most amiable man, of most prepossessing appearance, and has that happy faculty of placing both a customer or acquaintance at perfect ease. He is very popular with the trade and although a very busy man always has time to treat everyone he meets in a most courteous manner. He is an ardent mason, being a member of Garden City Lodge, Oriental Consistory and Medinah Temple, A. A. O. N. M. S., and also a member of the Hamilton Club. There is no doubt that in the new location Mr. Muir will attract the best trade in the city and with his knowledge of the business and his social affiliations is sure to succeed in his new location.

SAN MATEO, CALIF.—W. E. Eglinton, formerly in charge of the orchids at J. A. Carbone's, West Berkeley, is now with the MacRorie-MacLaren Co. This firm is one of the largest growers and importers of orchids in the state.

WATERBURY, CONN.—The barn of Saxe & Floto was destroyed by fire January 7 together with the contents, the loss aggregating about \$5,000. It is supposed the fire caught from an oil heater in a wagon used for delivering flowers.



W. L. Keller.
Treasurer Rochester Florists' Association.



John Dunbar.
President Rochester Florists' Association.



H. B. Stringer.
Secretary Rochester Florists' Association.



John T. Muir.
A Chicago Petaller.



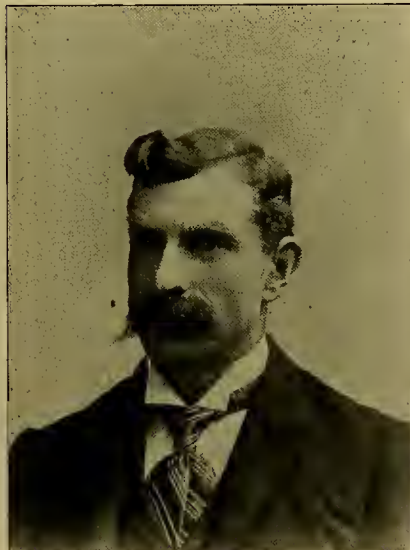
A. L. Vaughan.
A Chicago Wholesale Florist.



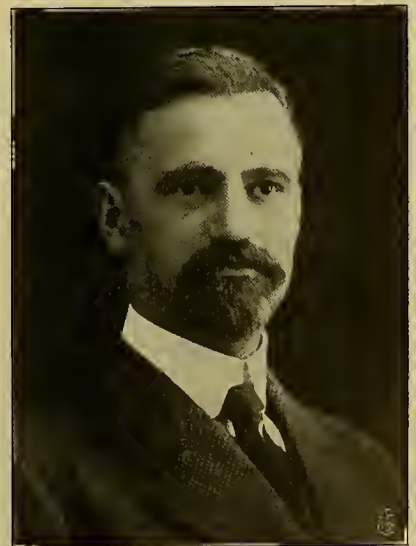
Thomas Pegler.
President Gardeners' and Florists' Club of Boston



Prof. A. C. Beal.
Botanist, Society of American Florists.



C. B. Ogsten.
Vice-President Rochester Florists' Association.



M. C. Ebel.
Secretary National Association of Gardeners

SOME OF THE MEN THEY'RE TALKING ABOUT.

THE VIOLET.

Violets in Midwinter.

The grower who has brought his violets in good health up to the holidays and has been able to pick a good crop of flowers has much to be thankful for, and has half the battle of the year won. It has been said that if one-half of the violet plants housed in the fall produced a good crop of flowers they would not bring a price that would be remunerative, and we really believe, judging from what we have seen in the several houses we have

is a question of soil, but we have seen good violets grown on almost all kinds of soil. The plants, it is well known, grow best in a soil rich in humus, the violets all naturally grow in a soil that is composed chiefly of leaf mold, and they grow better under cultivation in soil in which this is one of the great constituents. But we have seen violets in the best of soil become badly diseased. When the bright, warm days of the latter part of February and early March come in the violets begin to make active growth and we have seen plants that were badly diseased grow out of it entirely and produce a wonderfully good crop of flow-

A grower that invariably produced fine blooms had a splendid lot in early fall with a fine promise for the holidays, but about the first of December the plants began to show disease. He began picking the leaves, but it was impossible to keep up with the inroad of the disease, and when we visited the houses about two weeks before Christmas they were a sorry sight. Imagine our surprise, however, to find the houses run at a good rose temperature, and upon inquiry were told that he was trying an experiment. We again visited the houses the last of January, and found the plants in splendid health with a magnificent crop of blooms, and he smilingly stated that to him the experiment had been successful. The warm temperature had induced new root action and when this was accomplished the disease disappeared. We have never had occasion to try this ourselves, but we have always believed that should the necessity arise we would give it a good trial. V. G.



AFTER THE FIRE AT DANVILLE FLORAL CO., DANVILLE, ILL., JANUARY 7, 1912.

visited in years past, that this is so. There is probably no crop that is grown under glass today that is more disappointing or that requires more constant care, on account of its being so subject to disease and insects, than the violet. The grower of violets, when he successfully harvests a good crop, like the growers of many other flowers, thinks he is but getting his just deserts, but when disease strikes his crop or the plants will not produce good blooms, he comes to the conclusion that when he does succeed he really has much for which to be thankful.

There is plenty of work even now, however, on a good violet crop. Beside the picking and bunching there is much routine work that must be attended to. During the short days there will be but little watering especially if the plants cover the ground but there will be many leaves which show signs of decay and these should be removed. The plants should be gone over often and all these decaying or spotted leaves picked off. If the soil has become hard it should be scratched over and lightened up, and this should be done carefully and the plant disturbed as little as possible. Ventilation is one of the great factors in growing violets, they revel in good air, and the ventilators should be opened on every possible occasion. These are the simplest directions to the grower whose plants are in good condition and it really seems about all that is to be done.

But how about the grower who is badly afflicted with disease? This is an entirely different outlook. The cause of the violet disease has never been fully explained and no sure cure has ever been found. Many think it

ers. We well remember an old violet grower telling us of a young gardener who had experimented almost all the winter trying to overcome the disease, coming to him early in March stating that he had at last found a remedy, and, the grower added, "He didn't know that it was the elegant spring that had made the cure."

We have always believed that the primary cause of violet disease was poor root action, and if anything can be done to start the roots into activity the disease will be conquered. It was our privilege some years ago to see an experiment tried, with success as far as we know, for it was at a distance and we visited the place but twice.

Fire at Danville, Ill.

A disastrous fire destroyed the boiler-house and greenhouses of the Danville Floral Co., Danville, Ill., on the morning of January 7, the head house being entirely consumed, as is shown in the illustration; part of the greenhouse burned and both of the stacks falling. It was an exceedingly cold night, the thermometer registering 16° below zero, and as the heating system was entirely ruined the entire plant, including all the stock, was frozen and was a total loss. Arrangements are in progress to rebuild the plant at as early a date as possible.

W. R. Nicholson, Framingham, Mass.

The greenhouses of William Nicholson at Framingham, Mass., have been celebrated for years for the high class products produced, not only the carnations, which have acquired a national reputation, but for other flowers which are acknowledged to be of the finest grade shown in the Boston market. During the last year the place has passed into the hands of William R. Nicholson, the son, and the illustrations show the splendid mignonette and freesia which were being grown at this establishment last Christmas.



ONE DAY'S RABBIT HUNT OF F. WILKE AND J. C. PETERSON AT WIGGINS, COLO

THE CARNATION.

Care of the Young Stock. ✓

Now when the holiday rush is over, it is time to start planning for next year's planting of carnations. If there is some empty bench space, it cannot be used to better advantage than for young carnation plants.

The time is past when cuttings can be potted late in the spring and still by the end of the year have the bal-

Give the plants plenty of air and keep a night temperature of about 45°. If a special house cannot be given the plants, at least put them in the coolest end of the house and where they will get as much sun as possible. The right kind of cuttings do not need any shading at this time of year, even when first potted.

If one will follow these directions, namely, use good soil, keep the plants cool, let them dry out moderately between waterings, and fumigate once or

the following colors—pink, white, yellow, red and crimson? What is the greatest length of stem and largest diameter of flower known? What is the best treatise containing data upon the carnation?

Maine.

I expect Poehlmann Bros. Company, Chicago, Ill., are growing more carnation plants than any other firm in existence today. The statistics of the number of men employed, the average cut and the coal consumed I have not at my command. A large quantity of this firm's output is sold on the Chicago market and considerable shipping to cities throughout the western states is also done. The best commercial varieties are pink, Enchantress; white, White Enchantress; yellow, not any; red, Beacon; crimson, not any. 30-inch stems and 3½-4-inch diameter for the flowers have been about the limit so far. A good treatise on the carnation is the book called the American Carnation, written by C. W. Ward.

C. W. JOHNSON.

Carnation Rust.

ED. AMERICAN FLORIST:

We forward you a leaf of carnation that is diseased. Can you inform us what it is and what to do to remedy it?

B. C.

Canada.

The disease on the leaf forwarded is what is known as carnation rust. This disease was at one time very prevalent with carnation growers, but good culture and selection of stock has nearly eradicated it. Pick off the leaves affected and burn them. Be careful in watering—water or syringe only in the morning on bright days, so that the foliage will not be wet over night and keep a dry atmosphere in the houses. Give the plants all the air possible and maintain the proper temperature. If the plants are badly afflicted it would be preferable to obtain new, clean stock. Spraying with Bordeaux mixture has been found very efficacious. In propagating, take cuttings from stock known to be free of the disease. W.

CLEVELAND, O.—The board of education has authorized additions to the West Technical High School amounting to \$30,000, which include the erection of a greenhouse.



HOUSE OF GIANT MIGNONETTE AT W. R. NICHOLSON'S, FRAMINGHAM, MASS.

ance on the right side of the ledger. With labor, coal and all the other things necessary for the production of carnations, higher, and the price of blooms about the same as ten years ago, the only way that one can come out ahead is to produce more blooms and better blooms than were formerly obtained from the same amount of glass. To do this the cuttings will have to be started in pots early, and the little extra expense it takes to grow the plants a month or two longer will more than pay for the trouble. Of course, we have better varieties at present than we had ten years ago, but the man that waits until spring to pot up his cuttings has no chance with the man that does this work earlier.

When potting the cuttings use soil from some good pasture that has been ploughed under long enough to get thoroughly rotten. Do not run the soil through a screen, but work it over with a shovel until it is good and fine. (Providing you have not a soil pulverizer, which, by the way, is a good thing to have.) This kind of soil is best without any fertilizer and would be my first choice. If this soil is not obtainable, old soil from the chrysanthemum benches can be used by those who grow these plants, providing it has been spaded over and thoroughly aired about a month before using, but under no circumstances use soil in which carnations have been growing. Use 2½-inch pots and plant firmly, so they will not fall over at the first watering. Let the first watering be a good one. After that it will be found that they will not dry out evenly, so do not let the water run with too much force out of the hose when touching up the dry ones. If this is not done, the water is liable to get where it is not wanted.

twice a month, he will, when the time comes to plant in the field, have a batch of cuttings that will well repay for all the extra care given them.

P. W. PETERSON.

Carnation Statistics.

ED. AMERICAN FLORIST:—

Will you kindly give the following information regarding the carnation? What is the largest establishment in the world growing carnations and also in this country, with the owner or company's name? How many men are employed? What is the average cut? Where sold? How much coal is consumed? What is the best variety of



CHRISTMAS FREESIAS AT W. R. NICHOLSON'S, FRAMINGHAM, MASS.

An Amateur at the Detroit Conventions.

I am perfectly well aware that all the scribes of horticultural note were at the Detroit conventions, and we will unquestionably hear from them all, to the extent, at least, of having the prize lists accurately given, but an event of such importance deserves much more than a mere tabulation of first, second and third prizes, and what an amateur saw may be of interest. The horticultural world was well represented from every section of the Union, and from the sister, Dominion of Canada. I met men from all over and even men from California told me that they were glad they came, that they had seen enough to recompense them for the long journey, but there were many unfortunate ones who did not get there and they will be scanning your pages with interest to know what happened, eagerly looking for some inside information, so to speak, and as many men have many minds some may be interested to have even the opinion of a mere amateur, and if a few of the experts would sit down for half an hour and pen a few of their innermost thoughts I am sure we would all be benefited. Such an event as this deserves much more than a mere passing notice. You of the horticultural press, are no doubt giving us your best, as you see it, and you are giving us a mighty big dollar's worth at that, but you can't see everything. Let the other fellow contribute his share. I will no doubt leave myself open to criticism, but I welcome that, and will assuredly benefit by it.

First, the carnations. The experts were heard to say that they were not up to the average. We will let the average rest, however, and tackle the individuals.

First of all there was Gorgeous, truly and superbly gorgeous. Peter Fisher can raise carnations but he surely must have called upon Patrick O'Mara to pick the name, for it aptly and fully describes it. One merely had to stand in the background and listen to the experts. They were all there, picking flaws, of course, but there were obviously no flaws to pick in Gorgeous. Honest Fisher supplied the only flaw himself, he says it is not as free as he would like. How could it be? Such size and stems cannot be produced as quickly as they can in Enchantress. Killarney roses sell at Christmas for 15 cents each, and American Beauties for \$1 each. The difference is the American Beauties are worth it. This is a Beauty amongst carnations. Put it on the market, Peter, we need it, and the world will not condemn you for it. It is a lovely pink hard to describe, but might be said to partake of Aristocrat and Afterglow, or intermediate between them. The flower is large and full. The stem three to four feet long, strong and rigid enough to hold the large flower erect. The judges awarded this the gold medal and we all said "Amen."

Next came President J. A. Valentine, from Dick Witterstaetter, a magnificent and glorified May Day, a worthy namesake for the genial president of the C. S. A.,—may their sun never set.

The bronze medal was awarded to Woodenethe—rather a difficult job to find a name with so many e's in it—

but I heard some of the wisecracs say that being translated it meant White Beauty. Then why didn't they call it White Beauty, instead of keeping the rest of us guessing? It is a white beauty, all right, and Charlie Totty may be justly proud of it. He was also awarded the Hitchings' sweepstakes silver cup in Section A, for this variety, a cup of considerable capacity, and if all accounts be true, it was filled several times before the New York delegation reached their destination.

Dorner's Rosette, a pure dark pink, won the silver medal, in the S. A. F. class. This looks like a real bread and butter sort, and will no doubt become very popular.

The bronze medal in the same class was won by E. G. Hill Co. with a very intense scarlet, under number, which looked well.

Traendly & Schenck, New York, exhibited a salmon sport of Enchantress, which I heard some one say was to be called Salmon Queen. It looked a queen, stronger, fuller and larger than the parent, and if it is a non-burster, as the exhibitors claim, it will be a great acquisition.

Benora was not shown as well as it was last year, but it was easily the best variegated sort there, and is sure to make good.

The scarlet Wm. Eccles, shown by the Elmsford Nurseries, Elmsford, N. Y., which won the first prize in the 100 bloom class for red or scarlet, looked like a winner. It is of good size, fine form and color, and has a fine stem. It should fill a want in this color. St. Nicholas, also in this color, looks like a bread winner.

Seedling 23, shown by T. F. Brown, Greenfield, Mich., and awarded a preliminary certificate, struck one as the prettiest thing in a baby pink that I have ever seen. It is not large, but its color and form is grand and it is sure to be heard from later.

Poor old Enchantress was not much in evidence. Gloriosa and White Wonder seemed to fill the place, so long occupied by this wonderful carnation. This does not exhaust the list, but those mentioned appealed most to me. If I have left out anything of note I will be glad to let the other fellow fill in the deficiency.

The rose show was grand, and for excellence of quality and display outdid the carnations 50 per cent. It was a happy thing the conventions were together, they made a show worth while. Such displays as were put up by A. N. Pierson, Inc., and A. Farnwald were an inspiration, and the horticultural world is under a debt of gratitude to those men for their zeal. Such exhibits can hardly repay them in dollars and cents, but as Benjamin Hammond aptly put it, "Such a profession never degraded any man," but instead, tends to lift him to a higher plane. May the consolation of this thought be in part their reward.

There was not much new in roses. Killarney was queen, "The poetry of Ireland in a bouquet of flowers." Such color we seldom see, especially those from W. H. Elliott of Madbury, N. H.

Lady Hillingdon was fine, a grand yellow, but her ladyship will have to travel some yet. Sunburst was there, and looks as if it may supersede the other in a very short time. Princeton was also shown, a beautiful rose, partaking of the Bridesmaid color, but

larger and fuller. If this is a free grower the other pinks will have to take a back seat.

This was not a chrysanthemum show, but they were there, a very creditable vase of Helen Newberry, a pure white pompon of fine form, which Fred Pautke says is just right for Thanksgiving and Christmas. One of our wholesale men was heard to say, "Can we ever shake them? If this continues we'll have to get out of business." Be that as it may, there is room for Helen yet, and she will become more popular when she is better known.

The meetings of both societies were well attended, and the interest unflagging. The only thing that struck me was the lack of discussion. More time should be given to this, and even some one appointed before hand to set the ball a-rolling. Robert Pyle gave us a very interesting lecture, illustrated by stereopticon views, on a trip to European rose gardens. After the expense and trouble this gentleman must have had it hardly would seem fair to criticize him, but to a mere amateur, something seemed lacking. If we had been shown fewer gardens, hedges, dwellings, etc., and more individual flowers, it would have been much more instructive. For example, if instead of seeing the jury standing over the Jonkeer J. L. Mock rose and examining it he had shown us a well grown plant with the flower in natural color we would have learned considerably more. We were all itching to know what they looked like, and I am sure it would have been a better advertisement.

Mayor Breitmeyer was invincible; he was everywhere; the right man in his proper place, and deserves the thanks of all. The Detroit Florists' Club did themselves proud and there was not a murmur of discontent from anyone. In such moments, and in such company, one feels proud to be connected in even a small way with such whole-hearted hospitality.

AMATEUR.

Pansies.

During the month of January is the best time to sow pansy seed for culture inside. While the great majority of these plants are grown from seed sown in early autumn and wintered outside in cold frames, yet often the germination of seed in the fall is poor, and the winter has been unusually severe which may result in serious loss. While the pansy will stand considerable cold weather, yet it can be frozen hard enough to kill it, and during very extremely cold weather will require protection of some kind. To guard against all loss it is oftentimes best to have another lot of plants coming on to replace any that may be killed. They can be grown on and take up but little room, until early spring, when it will be known whether they will be required or not. Seed sown during January will germinate readily and as soon as large enough should be transplanted to shallow flats about one and a half inches apart, and can be grown on shelves near the glass in a cool house and as early as possible transplanted to cold frames outside and fine spring stock can be obtained.

AUBURN, N. Y.—Fire under the office of the greenhouse of Dobbs & Son caused a small loss January 11, which was covered by insurance.

Roses in the Middle West.

Paper prepared by Irwin Bertermann for the convention of the American Rose Society at Detroit, Mich., January 11, 1912.

The practical theory of the production of roses is so often ably taken care of that it is well to note the standard a "Rose for every home and a bush for every garden," also the relationship between those who are so nobly laboring with the production of nature's wares and those who are benefiting mankind and themselves in using roses in their dooryards and adorning the homes of the middle west.

From the time the Wild Brier of Indiana graced the log-cabin of the settler until the limestone mansion became arched with Tausendschon, Dorothy Perkins and other ramblers has the rose held the highest place in the hearts of the people, for, as Jim Riley says so fittingly,

"The world is full of roses,
And the roses full of dew;
The dew is full of heavenly bliss
That drips for me and you."

His home in Lockerbie street is made more attractive by an old rose of the climbing variety which has been there for years and which is watched over carefully. Unfortunately many of the better kinds of roses do not withstand our climate as on either coast or in the south, but when additional care and attention are given, the results are most gratifying. Those varieties which flourish are well known and thousands of any new introduction which promises to withstand the climate are easily disposed of.

It is not the purpose to treat lightly on a subject of such commercial importance, and the highest compliment

which might be paid your organization is the recognition of the greatness and goodness made manifest through your work in the heightening and purifying of American citizenship. Articles number one and two in the aim of the American Rose Society are not the least important in the production of either commercial or new varieties.

Article one reads: To increase the general interest in the cultivation and to improve the standard of excellence of the rose for all the people.

Article two: To foster, stimulate and increase the production in every possible way of improved varieties of the rose suitable to our American climate and requirements.

The people are always awaiting new roses and the space is wonderfully close between the distant public and he who daily watches over his houses of roses for their ultimate consumption. Mrs. Aaron Ward, Mrs. Taft, Lady Hillingdon, and even Sunburst through the press, have already won their way with the rose buyers. The good qualities of each are well known by regular patrons. Mrs. Ward keeps well, Mrs. Taft is an unusual pink most successful for table decorating, and Lady Hillingdon with its coppery shades is most suitable for the corsage. A full size cut of Sunburst in an Indianapolis paper this fall brought hundreds to see it, and many still inquire at that store for the new rose seen in the picture.

Spring flower shows argue well for roses and those who produce them. The writer, nor you, have not forgotten the wonderful display of indoor and outdoor varieties at the National Exhibition. The stimulus given the

flower buyers in the vicinity of Boston was undoubtedly a lasting one. Chicago has undertaken an exhibition of this kind, as have several other cities, and the opportunity for educational work is great. The spring show should do more for the rose than the autumn ones did for the chrysanthemum, as they come at a time when the flower buyers may view elegant displays of forced roses and in turn have the same varieties planted in their gardens.

Your able secretary, Benjamin Hammond, in a recent letter stated: While in Indianapolis I saw many beautiful homes and no slums. How could there be slums with Hills, Dorners, Veseys, Coles and many others in close proximity to the Hoosier capital, who are putting forth a tremendous lot of energy in producing all that is beautiful for a community where there is plenty of room and gardens are plentiful?

An era of small roses is at hand. The large varieties fill a big place admirably, but let the rosarians become more interested in the smaller types such as Bon Silene. There is much need for them in corsage work, in baskets and for debutante bouquets where the small rose has a greater charm than larger kinds. A forcing rose bearing its flowers in clusters for winter use would be a wonderful addition to look forward to.

When our section of the land has reached the advancement of rose growing noticeable in France, Germany and England, when the love of them in the gardens is as great, and when the rose may be seen growing in all vantage spots and given the same enlightened attention, we will have ac-

Chrysanthemum Society of America.

Review of the Work of the Examining Committees for the Season of 1911.

Name of Variety	Where Shown	Date	Exhibited by	Color	Type	Scale										Total
						Scale	Color	Form	Fullness	Stem	Foliage	Substance	Depth	Size		
White Gloria	Chicago	Oct. 14	Elmer D. Smith & Co., Adrian, Mich.	White	Inc. Jap.	Com.	18	10	9	13	13	12	10	10	85	
"	Cincinnati	Oct. 14	"	"	"	"	16	12	8	14	12	10	10	9	81	
Aesthetic	Chicago	Oct. 28	"	Lemon Yellow	"	"	18	12	9	13	12	14	10	9	87	
Pink Gem	"	Oct. 28	"	Pink	"	"	17	15	10	13	12	14	10	9	90	
"	Cincinnati	Oct. 28	"	"	"	"	16	14	10	12	13	14	10	8	87	
Christy Mathewson	Chicago	Nov. 2	"	White	Jap.	Ex.	14	13	14	5	3	10	14	27	90	
Smith's Sensation	"	Nov. 2	"	Pink	Inc. Jap.	Ex.	14	14	14	5	3	10	13	24	87	
White Perfection	"	Nov. 2	"	White	"	Com.	20	13	9	14	13	10	10	9	88	
Clea	"	Nov. 2	"	Pink	Single	Single	35	16	17	17	17	17	17	17	85	
Manhattan	St. Louis	Nov. 9	"	"	Jap	Com.	16	13	9	13	13	13	13	9	86	
"	"	Nov. 9	"	"	"	Ex.	13	13	12	5	5	13	22	83		
Harvard	Boston	Nov. 20	"	Crimson	Reflex Jap.	Com.	19	14	9	12	12	13	10	8	87	
"	"	Nov. 20	"	"	"	Ex.	14	13	13	4	4	12	24	84		
Mrs. Bartlet E. Hayward	Philadelphia	Oct. 21	G. A. Lotze, Glen Burnie, Md.	Pink	Inc. Jap.	Com.	17	14	9	12	12	13	10	8	85	
Ramopo	New York	Nov. 1	Chas. H. Totty, Madison, N. J.	Yellow	"	Com.	19	12	9	15	13	12	10	7	87	
Wm. Turner	"	Nov. 1	"	White	"	Com.	18	13	10	14	14	14	10	10	93	
"	"	Nov. 1	"	"	"	Ex.	15	12	15	5	5	14	27	93		
Arthur Orr	Chicago	Oct. 28	Peter Schilt, Evanston, Ill.	Lemon Yellow	"	Com.	15	13	7	10	15	13	10	8	81	
Mrs. Kenneth Barnhart	"	Nov. 18	"	Pink	Single	Single	35	18	19	19	18	19	19	19	90	
Grace Muller	"	Nov. 18	"	Yellow	"	"	37	15	17	17	19	19	19	19	88	
Jennie	New York	Oct. 21	Alfred J. Loveless, Lebox, Mass.	White Blush Tint	Jap.	Com.	16	12	10	17	14	14	14	9	87	
"	"	Oct. 21	"	"	"	Ex.	14	12	15	4	5	13	26	89		
Sport of Brightsturt	"	Oct. 28	"	Bronze	"	"	13	13	13	4	4	13	25	85		
Sport of Glory of Pacific	Cincinnati	Oct. 14	H. Weber & Sons, Oakland, Md.	White	"	Com.	16	12	10	15	13	12	10	8	86	
H. Tong	Chicago	Nov. 25	Tong & Weeks, Ashtabula, Ohio.	Yellow	Reflex Jap.	Com.	18	12	9	12	10	10	10	6	77	
Golden Glory	Chicago	Nov. 25	Baur & Steinkamp, Indianapolis, Ind.	Lemon Yellow	Jap	"	17	12	8	14	11	12	8	82		
Helen Van Gaasbeck	New York	Nov. 1	A. C. Van Gaasbeck, Orange, N. J.	Pink	"	"	17	12	8	13	13	13	9	85		
No. 10-1909	Cincinnati	Oct. 28	H. W. Reiman, Indianapolis, Ind.	White	Inc.	"	18	12	10	15	14	12	10	7	85	
Helen Newberry	New York	Nov. 28	F. Pantke, Grosse Point, Mich.	"	Pompon	Pom.	38	16	18	16	16	16	16	16	83	
"	Cincinnati	Nov. 25	"	"	"	"	37	18	18	18	18	18	18	18	91	
"	Chicago	Nov. 25	"	"	"	"	37	18	18	17	17	17	17	17	90	
Fairy Queen	Cincinnati	Nov. 4	Hartje & Elder, Indianapolis, Ind.	Pink	"	"	36	19	19	19	19	19	19	19	93	
"	Chicago	Nov. 4	"	"	"	"	35	18	20	20	20	20	20	20	93	
Mme. Michael Gorday	Cincinnati	Oct. 14	The E. G. Hill Co., Richmond, Ind.	"	Jap.	Com.	15	13	10	14	11	14	10	8	85	
Alice Solomon	"	Oct. 21	"	White	Inc. Jap.	"	18	12	9	15	12	10	10	8	83	
August Dassy	Chicago	Nov. 2	"	Orange Yellow	Jap.	"	18	13	9	14	15	14	14	9	92	
"	"	Nov. 2	"	"	"	Ex.	14	13	13	5	5	13	24	87		
Hirondale	"	Nov. 2	"	Pink	Inc. Jap.	"	13	13	13	5	5	12	25	86		
"	"	Nov. 2	"	"	"	Com.	18	13	9	15	12	10	10	9	91	
Petite Yvonne	"	Nov. 2	"	White	Jap	"	19	10	7	14	13	10	10	8	81	

Scores possible under scale used (C. S. A. Official).
 Com. 20 15 10 15 15 15 15 10 100
 Ex. 15 15 15 5 5 5 15 30 100
 Pompon 40 20 20 20 20 20 20 20 100
 Single 40 20 20 20 20 20 20 20 100
 CHAS. W. JOHNSON, Secy.

completed a wonderful and lasting work. America is a big country, with varying conditions, but there is a small portion not adaptable for some variety.

The large commercial firms with their millions of feet of glass, having beautiful stores in the larger cities as an outlet, are a stage upon which the rose plays the leading role. Exquisite baskets arranged with airy laces, bridal bouquets in elegant array and artistic decorations all show the possibilities of the indoor flowers, and such work may be seen by anyone at any time; but beautiful arches, groups and conventional outdoor designs are not so common a feature, nor is it nearly as probable for a beautifully trained bush to find itself 'mid the thousands and in the slums of the larger cities. It devolves, therefore, greatly upon the rose exhibitions to show the public what may be done in gardening effects and in helping beautify outdoor surroundings.

The advancement of the rose from season to season and year to year is not so discernible, but a retrospection of twenty, shows what has been accomplished and suggests vividly what earnest endeavor may do.

The scope of the American Rose Society is a broad and useful one, as it encourages not only the production of roses but goes further in endeavoring to teach through exhibitions and example, a love of them.

A Legendary Plant.

A pretty plant and its legend is *Ramonda Pyrenaica*, a tiny violet-like plant from the Pyrenees, which thrives only in entire shade, in barren, moist, rocky soil, though its leaves will not bear water. The plant forms a little clump three to four inches high, surmounted by five or six bright violet flowers, with orange stamens. Its legend dates back to the Song of Roland as follows: "When the great Charlemagne, 'the emperor with the flowering beard,' withdrew to France from Spain after fighting the Saracens for 12 years, he left the command of his rear guard to his nephew, Roland the Brave. Hardly had he crossed the mountains when he heard, thrice repeated, a long moan. He assembled his counts, dukes and barons and asked them its cause. Some thought it the moaning of the tempest, some a shepherd's horn, but the emperor, led by a sad presentiment, believed it the desperate call of Roland, and turned back. Arriving in the dark defiles of Roncesvalles, what was his despair to find Roland, his twelve peers and the entire rear guard of twenty thousand fearless knights, pitilessly slain by an ambuscade of Saracens, who from the rocks above had overwhelmed the French with boulders and missiles, against which there was no defense. The emperor returned sad-hearted to France, but in the black ravine which the sun never penetrated and where no plant had ever grown, in the 'sombre vale of Roncesvalles,' sprang from the blood of the twenty thousand warriors a little plant with purple-violet flowers that for centuries bore the name of *Rolanda*." Linnæus renamed it in the last century *Ramonda* after a French naturalist.—*Le Maître d'Horticulture*.

MINEOLA, N. Y.—Two large greenhouses on the estate of Benjamin Stern were destroyed by fire January 14, the loss being estimated at \$10,000.

PEOPLE WE KNOW.

A. L. Vaughan.

Announcement was made this week that the firm of Vaughan & Sperry, one of the prominent wholesale houses of Chicago, had dissolved, Mr. Sperry having disposed of his interest to A. L. Vaughan, who will continue the business.

Among the men in this country in floricultural pursuits there are few who are better known to florists than A. L. Vaughan of Chicago, for in his short and busy life, covering less than 50 years, he has traveled across the country from the Atlantic to the Pacific and visited the several greenhouse proprietors at their establishments and built up an acquaintance that extends into almost every state in the Union. Before this his love for travel and adventure had taken him into many sections and he has thereby acquired not only an intimate acquaintance with those in the trade and their wants, but also with the country at large.

A. L. Vaughan, Lon Vaughan, as he is familiarly known, was born at Bastrop, La., June 1, 1864, where he spent his boyhood, and at the age of 18 he started out, spending one year as clerk in a country store at Mer Rouge, La., and the following year made a contract to take charge of a plantation supply store near the Arkansas line. Having saved a little money he determined to see a little of the world, and decided to attend the Centennial Exposition held in New Orleans in 1884. This gave him his first ride on a railroad train, which was so exhilarating that after seeing the exposition he continued his journey to Jacksonville, Fla., where he spent the remainder of the winter, the stay being made so long principally for the reason that he had no money with which to purchase passage home. While here he sold pianos and organs, and when commissions were slow in coming incidentally sawed wood on occasions. He also developed histrionic aspirations, and had hopes of joining a theatrical troupe which was embarking for Cuba, but this troupe was lost in a gale on their voyage to the island about May 1 of that year.

At last, getting money enough together to go back to Louisiana, he went home with many stories of adventure, but rather short in cash, and served as deputy sheriff for Morehouse Parish until July 6, 1886. At that time he thought he would see the northern part of the country, so went to Grand Rapids, Mich., where he took a night course in stenography under a private teacher, and secured a position with the Grand Rapids & Indiana R. R. under the vice-president and treasurer. During the year 1888, while in the store of Henry Smith, he saw a catalogue of J. C. Vaughan's, the Chicago seedsman. The name attracted him, so he picked it up and looked it over and asked Henry about the concern. From what he learned he immediately had visions of exploring Chicago and entering the seed business under Mr. Vaughan, and after the passage of a letter or two secured a position. He came to Chicago and met the seedsman at 148 West Washington street, who after looking him over, quickly took him over to see E. H. Hunt, who had charge of the seed and wholesale cut

flower store at 88 State street.

Shortly after this E. H. Hunt bought out the cut flower interest and moved to 76 Lake street, where after a few months learning the business, A. L. Vaughan started to introduce E. H. Hunt to the retail trade of the middle west. After two years' service with Mr. Hunt he again entered the employ of J. C. Vaughan and traveled from New York to San Francisco until the fall of 1887, when he entered into partnership with Chas. W. McKellar and E. F. Winterson under the firm name of Vaughan, McKellar & Winterson, which continued until March 1, 1899, when he sold his interest to his partners and entered the employ of Hagermann & Meyer of New York. This firm he represented until 1901 when he returned to the store of E. H. Hunt, who was then at 76 Wabash avenue, with whom he continued until 1904.

At this time taking a vacation he went south to visit his old home, intending to locate and go into business at Morgan City, but not liking the prospects returned to Chicago and formed a partnership with Fred Sperry as Vaughan & Sperry, and located at 61 Wabash avenue, and May 1, 1908, the firm moved into their present quarters at 161 North Wabash avenue, where a thriving business has been done up to the present time, both in the local and shipping trade. Mr. Sperry's health having failed during the last year it became necessary for him to move to a more congenial climate to recover his health, and Mr. Vaughan bought his interest January 20 of this year. The business will, however, continue under the firm name until February 1, when it will be known as the A. L. Vaughan Co.

Thomas Pegler.

Thomas Pegler, president of the Gardeners' and Florists' club of Boston, was born in Brighton, Sussex, England, and in his youth received a thorough training in horticultural work, both on private and commercial places. Leaving England in 1890, he secured a position as gardener for Lord Strathcoma at Winnipeg, Manitoba. From here his next venture was in British Columbia where he established himself as a landscape gardener and made good and located for two and a half years, but the climate not agreeing with him and being in poor health, he came east to Minneapolis, Minn., where he secured a position with R. J. Mendenhall. His next move was to the far east, taking charge of the estate of Anson Phelps Stokes, Lenox, Mass. In 1896 he came to Boston, leasing the greenhouses of Walter Butler at Readville, but these houses were soon given up on account of the railroad taking the land for new tracks.

He entered the Boston Co-operative Flower Growers' Association, better known as the Boston Flower market, in 1903 as a salesman, disposing of the stock of growers who forwarded it to him at the market. In this capacity he has been very successful, being considered one of the best salesmen there, always looking out for the interests of both his customers and consignors, and among the latter he includes growers who are renowned for the high quality of stock they produce.

One of his largest carnation consignors being S. J. Goddard of Framingham. His thorough training stands him in good stead, for he knows the value of the stock and anything new in the market is likely to be found on one of the stalls where he and his two assistants are always busy.

He has a most sunny disposition, is a thorough optimist, always seeing the bright side of everything. And he has endeared himself to a host of friends in all lines of the trade, by whom he is always known as "Tom." He is a member of several of the Masonic bodies and of the Boston Chamber of Commerce, and we feel that the club has acted wisely in making him its executive head for he is one of the coming men of the trade. Accompanied by his wife, he made a trip to Europe last summer, visiting the principal cities and noting the different crops and methods of doing business on the other side of the Atlantic. He is still in the prime of life and good health, and good luck is the wish of all his friends and

MAC.

John Morley.

SUPT. OF PARKS, SAN DIEGO, CALIF.

The many friends of John Morley, late superintendent of the Los Angeles park system, will be pleased to hear of his appointment to a similar post in San Diego. The post is an important one as San Diego is preparing a very elaborate system and much of this work has to be done before the opening of the exposition there in 1915. Mr. Morley is the right man in the right place. His long experience under the peculiar climatic conditions of Southern California and his wide knowledge of the species and varieties of trees and shrubs that will flourish here will stand him in good stead in his new position—a position that it would have been a great mistake to have given to an eastern man, or at least to a man with eastern experience only.

Mr. Morley is a naturalized American, having been born in Nottingham in England. He came to this country in 1885 and lived for a time in Massachusetts, gaining experience in several places around Boston. In 1887 he came to Los Angeles and after filling several other places he was appointed assistant superintendent of the parks in 1902. In 1904 he was made superintendent and this place he filled until 1910. His good work in the parks here speaks for itself and will remain a monument to his skill as a landscape gardener of the highest order. All will join in wishing him every possible success in his new and important charge.

H. R. R.

Cincinnati.

A MUCH SHORTER SUPPLY.

To the observer the market is an enigma. The weather has been glorious, bright, warm sunshine during the day that has brought the temperature above the freezing point and has caused the snow to melt on the southern slopes and exposures. Still the flowers do not seem to be coming in any stronger, in fact, appearances are that the supply has dropped somewhat, especially in roses and carnations. The call for flowers is getting better and is again about normal, and the shipping business in flowers and greens is good. The supply of roses has fallen

off considerably in all sizes and varieties, and as a result during the past week the offerings in this line have been cleaned up in a hurry. In carnations good stock is cleaning up nicely and much more could be used if it was on hand. In bulbous stock some lines are good while others are otherwise. Yellow and white narcissus while good still, move slowly. Jonquil offerings are still very limited but sell nicely. The same is true of tulips, but the stems of these are not very long as yet. The freesia offerings are elegant. Some liliun auratum were added to the list last week. These as well as longiflorum and Harrisii and callas are finding a very good market. Miscellaneous offerings include violets, lily of the valley and orchids. The single violets, Princess of Wales, sell well. The New York double violet market, considering all, has been fair. Good lily of the valley sells well, while seconds move slowly. The supply of orchids seems adequate. Sweet peas are becoming quite a factor, the supply, while not very large as yet, is regular and buyers can depend upon finding them. The demand for decorative and fancy greens of all kinds is good.

NOTES.

Geo. Murphy, the popular superintendent of the Flower Market, died at his home on Price Hill, Monday morning, January 22, at the age of 47. He was born and raised in upper Delhi. For a period of about eight years, part of the time with Chas. Murphy, part of the time alone, he conducted greenhouses there. He sold these when he accepted the position he held at the time of his decease. He leaves a widow and four children.

Wm. Murphy was very busy the early days of this week shipping Princess of Wales violet cuttings.

P. J. Olinger went to New Castle January 22 on business and expected to remain until Thursday.

Joseph Goldman has the sympathy of his many friends. His mother died recently.

C. E. Critchell was the first in the market this season to offer Dutch hyacinths.

Visitors: W. G. Matthews and wife of Dayton, O. H.

Philadelphia Notes.

At the recent automobile show in this city, commercial section, one of the features, was a five-ton Packard auto truck or van with the name H. A. Dreer, Inc., on the side. This will be of great assistance to their delivery service and is the first of three similar cars which will, before long, enable them to be independent of trains or boats for local or even quite long distance delivery, as it is proposed to send goods as far as New York in these cars when it is found best for quick delivery.

Robert Craig was laid up last week with a severe cold, but is out again. He is much pleased with the forced circulation at the new Norwood establishment which enabled them to keep the houses at a good temperature during the coldest weather of two weeks ago.

W. K. Harris is getting the large stock of azaleas in shape and many choice plants are seen just right for the market. Golden Spur daffodils are also a feature, a large house being filled and kept full until the southern stock comes in.

The S. S. Pennock-Meehan Co. appear to move enormous lots of flowers daily. Their branches in New York and Washington keep them in touch with a very wide market and has greatly increased their shipping trade.

Robert Riehs, who has been with his mother at Fifth and Girard ave-

nue, has purchased the business of Mrs. Clause at Germantown and Norris streets, where he will carry on a retail establishment.

W. J. Baker is still confined to his bed as the result of the unfortunate slip on the icy street, which shook him up very badly. It is hoped he will soon be out again.

A splendid lot of cyclamen are now to be seen at the Robert Craig Co. establishment. Plants that did not quite make the holidays are full of flowers and very showy.

Joseph Heacock says they had but little trouble to keep up the temperature, but it played bob with the coal piles.

K.

Berger Bros. say they have no trouble to sell all of the Princeton roses they can get.

The Leo Niessen Co. are handling choice auratum and other Japan lilies.

OBITUARY.

Lars Eric Lindgren.

Lars Eric Lindgren, one of the foremost horticulturists and pioneer of modern horticulture in Sweden, died at his home, Bjorknas, township of Ronninge, November 17, aged 84 years. Eric Lindgren started in his chosen profession when a young man and by unbounded energy reached the very top of horticulture in his native land. In 1863 he was appointed director of the horticultural department of the Royal Agricultural Experiment Station, a school for gardeners, which position he held until 1900, when he retired from active duty. His traveling abroad enabled him to keep in touch with modern ideas and he introduced a number of valuable plants.

He was an author of rare ability and he wrote a number of books on gardening and also published a trade journal, "Tidning for Tradgardsodlare," for forty years, which ceased publication when he retired. In recognition of his great services in advancing horticulture, he was made Knight of the Order of Vasa by the government, being the first gardener to receive such a distinction.

Thomas Galvin.

Thomas Galvin, a florist of Newport, R. I., and one who has helped materially to make that city beautiful by his work as a horticulturist, died January 13 of pneumonia, aged 85 years. He was born in Ireland February, 1826, and came to America at the age of 10 years. He first entered business in New York, then going to Boston, and 60 years ago settled in Newport, locating on Spring street, where he has lived ever since, and erected his greenhouse plant. He has had charge of the grounds of the Casino and was the designer of many of the beautiful dinner decorations at this celebrated place. He was twice married. From the first union six children were born, three of whom are living. His second wife was Mary Nicholson of New York, who with two daughters survive him. Thomas F. Galvin, the florist of Boston, was a nephew. The funeral was held in St. Mary's church, of which he was one of the original members, January 16.

Andrew Deisler.

Andrew Deisler, a florist of Newark, N. J., died at his home January 10. He was a native of Newark, where he had resided all his life, and was a member of the Masons, the Orion Singing Society and several other organizations. He is survived by a widow and son. The funeral services were held January 13 and interment was in Fairmount cemetery.

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We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST, 440 S. Dearborn St., CHICAGO

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EASTER in 10 weeks.

THE report of the proceedings of the twenty-seventh annual convention of the Society of American Florists is issued and has been forwarded to the members. Included are the papers and addresses, the reports of the several officers of the society and a detailed report of the committee in charge of the Second National Flower Show held in Boston, March 25 to April 2, 1911.

AN examination for two positions as assistant horticulturists in the Bureau of Plant Industry is announced by the Civil Service Commission in order to establish an eligible register. The duties of one will consist in conducting investigations in cultivation, harvesting and manufacture of peanuts, and the other in the breeding, cultivation, harvesting and marketing of potatoes. Information regarding qualifications and application forms will be furnished upon request to the Civil Service Commission, Washington, D. C.

Society of American Florists.

At the special meeting of the board of directors of the Society of American Florists, held in Detroit, Mich., January 11, there were present President Richard Vincent, Jr., Vice-President August F. Poehlmann, Secretary John Young, Treasurer Wm. F. Kasting and Directors W. N. Rudd, E. Allan Pierce, Harry A. Bunyard, C. H. Totty, John A. Evans and George Asmus. The invitation of the New York Florists' Club to hold the National Flower Show in New York in 1913 was accepted and the matter was turned over to the National Flower Show committee to carry out the necessary details. The board also authorized the offering of three silver and three bronze medals to be awarded at the International Exposition in London for plants and flowers of American origin, and the committee appointed by President Asmus to have charge of local arrangements in Chicago was continued with the name of George Asmus added. The committee now is August F. Poehlmann, J. C. Vaughan, W. N. Rudd and George Asmus.

The report of August F. Poehlmann, chairman of the committee on hall for the convention, was accepted and the committee empowered to lease the Coliseum building on the terms mentioned. JOHN YOUNG, Sec'y.

National Association of Gardeners.

The executive committee of the National Association of Gardeners held its first meeting since the organization obtained its charter at the Herald Square hotel, New York City, on Friday, January 12. Although the weather was such as to keep most gardeners near their establishments, a good attendance was present at the meeting.

President Logan called the session to order at 3:30 o'clock and after the routine business was disposed of the invitation from Chairman Charles H. Totty, of the National Flower Show Committee, inviting the National Association to co-operate with the Society of American Florists in the holding of the international show to be held in New York City in 1913 was acted on and a resolution was passed pledging the support of the National Association to the international show, it being decided that the National Association would not hold any exhibition of its own during the coming year and that its members should make every effort to produce fitting exhibits for the big show.

The invitation from President Sim, of the American Sweet Pea Society, was next acted on and it was decided to hold a summer meeting in Boston at the time of the sweet pea show, as it is expected that many National Association members will be present at that time in competition for the liberal prizes which are offered by the Sweet Pea Society in the private gardeners' classes.

President Logan appointed the following committees: Essay committee, William Kleinheinz, Ogonts, Pa., and Robert Tyson, Convent, N. J. Exhibition committee, Xavier E. E. Schmitt, Philadelphia, Pa., and James Bell, New York, N. Y. The duties of these committees are to provide suitable exhibits and papers at the executive meetings of the organization, which it was decided will be held

quarterly. The next meeting will be held in Philadelphia at Horticultural Hall April 15.

Among those present were Thomas W. Logan, Jenkintown, Pa.; John Shore, Harrison, N. Y.; John F. Huss, Hartford, Conn.; William Kleinheinz, Ogontz, Pa.; Carl Schaeffer, Tuxedo Park, N. Y.; M. C. Ebel, Madison, N. J.; James Bell, New York, N. Y.; Xavier E. E. Schmitt, Philadelphia, Pa.; Ed. C. Trethewey, Yonkers, N. Y.; Robert Tyson, Convent, N. J.; Wm. E. Maynard, New York, N. Y.; T. J. Kempton, Baychester, N. Y., and Pater Duff, Orange, N. J.

Horticultural Society of New York.

A meeting and exhibition of orchids and carnations will be held by the Horticultural Society of New York at the American Museum of Natural History, Saturday, January 27, and other interesting plants and flowers will be welcome. Schedules are ready for distribution and will be sent on application to the secretary. The orchid being one of the features of this exhibition, there will be a meeting of the orchid section at 3 p. m., followed at 4 p. m. by the general meeting of the society, which will include a lecture by C. A. Darling on "Grapes and Grape Culture." The exhibition will be opened from one to five o'clock.

The last meeting of the society was held December 16, and, in spite of the inclemency of the weather, was well attended. The attraction was a lecture by John K. M. L. Farquhar on "Gardens in Italy." Mr. Farquhar presented the subject in his usual interesting style, illustrating his remarks with numerous lantern slides, tracing the history of these gardens from their beginnings up to the present time, and showing the impress which they had made upon horticulture in various parts of the world. The lecture hall was filled with an appreciative audience. GEORGE V. NASH, Sec'y.

Chrysanthemum Society of America.

President Charles H. Totty has appointed the following as the executive committee: Elmer D. Smith, Adrian, Mich.; David F. Roy, Marion, Mass., and William Turner, Oceanic, N. J.

Elmer D. Smith & Co., Adrian, Mich., offer the following special premium for the society's exhibition for 1912: Best 12 blooms Chrysanthemum Manhattan shown in one vase on long stems; first prize, \$15.00; second prize, \$10.00. Open to private gardeners only. CHAS. W. JOHNSON, Secy.

Ladies' Society of American Florists.

The ladies attending the Rose and Carnation conventions held at Detroit, Mich., last week, both visiting and local, were entertained at the Temple Theatre Thursday evening, January 11. Afterward all went to the Cadillac hotel and were served a luncheon. Friday afternoon, January 12, Mrs. E. A. Fetters and Mrs. Chas. H. Maynard held an informal reception at the home of Mrs. Fetters, 56 Burlingame avenue, at which there were over 35 in attendance.

At A Disadvantage.

"I suppose you miss your boy while he is at college." "Yep," replied Farmer Cornfossel. "I dunno what I will do without him. He got the live stock so they wouldn't move unless he give 'em the college yell, an' I can't remember it."

Meetings Next Week.

Albany, N. Y., February 1, 8 p. m.—Albany Florists' Club, 71 State street.
 Chicago, February 1, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 West Randolph street.
 Lake Forest, Ill., January 31, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City hall.
 Lake Geneva, Wis., February 3, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.
 Lenox, Mass., February 3.—Lenox Horticultural Society.
 Milwaukee, Wis., February 1, 8 p. m.—Milwaukee Florists' Club, St. Charles hotel, City Hall square.
 Pasadena, Calif., February 2, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.
 San Francisco, Calif., February 3.—Pacific Coast Horticultural Society.
 Tacoma, Wash., February 1.—Tacoma Florists' Association, Hotel Tacoma.
 Utica, N. Y., February 1, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida square.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.****For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Florist with best New York city experience. Address.
 Key 554, care American Florist.

Situation Wanted—German gardener and florist married, age 34, life experience, wishes position as foreman on first-class private or commercial place.
 J. BAUER,
 Chichester, N. Y., Ulster Co.

Situation Wanted—By German, single, middle age, experience in all greenhouse work, especially palms, ferns, bedding plants and forcing stock, Chicago or vicinity preferred.
 Key 553, care American Florist.

Situation Wanted—By gardener, Scotchman, 35; private place preferred; greenhouse work, vegetable and flower gardens; can grow and propagate any kind of perennial flowers; state wages. Address
 Key 559, care American Florist.

Situation Wanted—By experienced grower of roses, carnations, chrysanthemums, pot and bedding plants; capable of taking entire charge; strictly sober; please state particulars in first letter. Address
 FLORIST, 75 1/2 Third Ave., Brooklyn, N. Y.

Situation Wanted—Working foreman and manager, German, age 39, single, hustler, of good business education; 25 years practical experience; in roses, carnations, mums, all kind of pot and bedding plants, good designer; first-class references; please state wages. Address
 Key 560, care American Florist.

Help Wanted—An experienced man for vegetable growing. Have small house he could use if married.
 FRANK AIKIN,
 R. R. No. 1, Decatur, Ill.

Help Wanted—A good all-around man, one who thoroughly understands growing and watering; position in an eastern city; married man preferred; references. Address
 Key 558, care American Florist.

Help Wanted—At once, good grower of carnations and pot stock; must be able to take entire charge of greenhouses, 15,000 square feet; married; none but a first-class man wanted.
 JAMES HAYES, 107 W. 8th Ave., Topeka, Kan.

Help Wanted—At once, a competent greenhouse man for 5,000 feet of glass to grow carnations and a general line of bedding and vegetable plants. Good wages and a three room house furnished if a married man.
 HAMILTON NURSERIES, Hamilton, Mont.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hostler with small capital. B. KAPPEL Great Falls, Montana.

For Sale—Well established florist business in city of 8,000, with good resort trade; 28,000 feet of glass; steam heat; well stocked for winter and in good shape; seven acres of land; modern house; barn. Write for details or call and investigate for yourself.
 JAMES TAYLOR, Mt. Clemens, Mich.

Wanted—Information as to the whereabouts of Wm. Dickenson. Worked last in Detroit Jan. 1911. Address E. P. NEIMAN, 2335 E. Colfax Ave., Denver, Colo.

Store Wanted.

In Cleveland or Pittsburg. Answer fully. All replies treated in strict confidence.

A. R. MCGILL,
 P. O. Box 899, Pittsburg, Pa.

Situation Wanted.

Good rose grower capable of taking charge. State salary when writing. Chicago preferred. For further particulars address

Key 541, care American Florist.

WANTED

A landscape architect capable of making plans and a fair knowledge of nursery business. Must be a good correspondent. Apply with references.

L. L. MAY & CO., St. Paul, Minn.

PARK COMMISSIONER FOR TORONTO, CANADA.

Applications for the above named vacant position will be received by the undersigned. Applications should be accompanied with full particulars as to applicant's ability and experience, with testimonials, etc.

G. R. GEARY, (Mayor),
 Chairman Board of Control,
 City Hall, Toronto, Jan. 17, 1912.

FOR SALE.

Seven greenhouses, well stocked with bedding plants, carnations and general line of plants for home trade, in the city of Cleveland, Ohio. Enquire of

G. S., 10707 Orville Ave., Cleveland, Ohio

Situation Wanted.

By a competent retail florist; thoroughly understands making up and counter work; in fact has a thorough New York experience, but is anxious to locate elsewhere. Address **Ambitious**, Care John Young, 54 W. 28th St., New York.

Storeman and Designer

A floral designer of ability and a storeman who has handled high class customers desires a position in an up-to-date establishment catering to the best trade; can furnish references as to character and ability. Address

Key 533, care American Florist.

For Sale == A Bargain.

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25 x 100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms.

Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Illinois.

LIKE A PISTOL IN TEXAS---

You will need this book bad some day, and in a hurry.

Trade Directory For Names

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

440 S. Dearborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages

Price: \$3.00 postpaid

CARNATIONS

FOR MCKINLEY DAY.

Large Beautiful Blooms in White, Pink and Red
Exceptionally Fine Stock. Best in the Northwest.

Current Price List

AMERICAN BEAUTIES		Per doz.	MISCELLANEOUS		Per 100
36 to 48-inch.....		\$6 00	Carnations, fancy.....		\$ 4 00
24 to 30-inch.....		4 00	“ common.....	\$2 00 to	3 00
18 to 24-inch.....		3 00	“ splits.....	1 50 to	2 00
12 to 18-inch.....		1 50 to 2 00	Stevia.....		2 00
	ROSES	Per 100	Sweet Peas		75 to 1 50
	Specials.....	\$12 00	Violets, Wisconsin grown		75 to 1 00
Richmond.....		\$ 6 00 to \$10 00	Valley	3 00 to	4 00
Killarney.....		6 00 to 10 00	Adiantum, extra fine		1 50
White Killarney.....		6 00 to 10 00	Asparagus Strings.....each,		\$0 50
Roses, our selection.....		\$4 00 to \$6 00	Asparagus Bunches.....each,	\$0 25 to	50
	MISCELLANEOUS		Sprengerl Bunches.....each,	25 to	35
Harrisii Lilies...per doz.,		\$1 50 to \$2 00	Smilax.....per doz.,	1 50 to	2 00
Paper Whites.....		\$2 00 to \$3 00	Galax, green.....per 1000,		1 50
Roman Hyacinths.....		2 00 to 3 00	“ bronze.....per 1000,		1 50
Narcissus, yellow.....		2 00 to 3 00	Ferns.....per 1000,		2 00
			Subject to change without notice.		
			Wild Smilax on hand all the time, \$5.00 per case, \$22.50 for 5 cases.		

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

STOCK SCARCE.

For the past week the stock in the market has sold readily, bringing good prices. Roses at the present time are exceptionally scarce in all colors. The weather conditions have been very unfavorable for all the growers and the stock does not seem to make any progress, but as the extreme cold weather has eased up the market conditions will no doubt take a turn in the near future. Carnations are selling readily, the greater demand being for white and Enchantress. Violets also have suffered on account of weather conditions. There are enough greens to fill all orders. Stevia is practically out of the market.

NOTES.

Holton & Hunkel Co. is cutting a very fine line of stock with Killarney and White Killarney of A 1 quality. This firm is cutting heavily in lily of the valley and the quality is of the highest. Fred Holton says that business is very good and that the demand is more than equal to the supply with the possible exception of violets which are arriving in large quantities.

C. C. Pollworth Co. are cutting some fine carnations at the present time which are being disposed of readily.

M. A. McKenney & Co. are contemplating buying an automobile for delivery purposes.

R. Preuss reports business very good with lots of funeral work.

Chas. Menger is the possessor of a fine automobile delivery.

Kennedy, son of W. A. Kennedy, joined the benedicts last week.

The bowling scores this week were:

Holton	135	169	132	Zweifel	130	126	166
Pohl	126	170	166	Nobos	153	139	136
Hunkel	133	108	151	Manos	135	140	109
Hare	153	127	145	Leitz	156	90	88
Esgebrecht	97	146	110	Gutbrod	129	155	127
Currie	128	125	144				G. R.

St. Louis.

STOCK GROWING SCARCE.

The dark and cold weather has caused a shortage of stock. Carnations toward the end of the week were very scarce, and roses were easily cleaned up. Narcissi and Harrisii lilies are sought for funeral work. Violets and sweet peas are holding up well. Tulips, Paper White narcissi, jonquils and Roman hyacinths are the bulbous stock offered.

NOTES.

The Wm. C. Smith Wholesale Floral Co. are out with their trade catalogue. It is up-to-date and is well thought of by the trade in general. Copies of the same have been mailed in the city and adjoining territory.

The Florists' Union elected the following three delegates to represent them at the main body of Central Trade and Labor Unions: Julius Schaffer, Henry Duernberg and William Herdt.

George Wagner has returned to the employ of Grimm & Gorly after an absence of six weeks. Every one was glad to see him back and pleased that he is restored to health.

Fred Ryan Floral Co. are moving from their present location to Fourteenth street, where they will have a new and more up-to-date store.

George Walbart has a fine supply of blooming plants and his assortments of cut flowers are of the best.

C. Young & Sons Co. will have the decorations at the second annual Imperial Ball.

Morris L. Levine, representing Lion & Co. of New York, was with us this week.

E. P. Cykowski has opened up a store on Tenth and Cass avenue.

George H. Angermueller is receiving nice shipments of yellow tulips.

W. F.

Wichita, Kans.

The weather for the past three weeks has been the chief object of concern among the florists in this vicinity. Zero and worse for days at a time made steady work for heating plants, and light business for the stores. Funeral work constituted the bulk of the demand, and for the past two weeks has been cleaning up stock in fair shape. The weather during the past week has got back to normal again and trade is also improving. The snow blockade, which accompanied the severe weather, interfered some with the filling of retail shipping orders. The lettuce growers complain that it completely blocked business for them and that considering the extra fuel expense and the restricted sales, they stand to lose money on the midwinter crop.

NOTES.

Quality of stock coming to this market is very good. F. Kuechenmeister is getting some fine violets. These are from a stock which he has worked up from a plant which attracted his attention several years ago. He has installed fuel oil burners for his greenhouses.

The sympathy of the trade is with Geo. Bixby in the loss he sustains by the death of his wife, which recently occurred.

W. H. Culp & Co. and Chas. P. Mueller have both provided motor cycles for their quick cut flower deliveries.

C. P. Mueller is showing fine carnations and callas and some well flowered plants of orchids in his windows.

W. I. CHITA.

FITCHBURG, MASS.—George Leland of Keene, N. H., has purchased six acres of land on Ridge road and in the spring will erect greenhouses which will be devoted exclusively to the growing of carnations.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

OTTO W. FRESE, Manager.

Carnations

FOR

McKinley Day

Large supply of exceptionally fine Red, White and Pink.

Also a large supply of

Roses, Violets, Valley, Tulips, Jonquils and Sweet Peas

PRICE LIST:

	Grade	A	B	C	D	E	F	G
Beauties.....per dozen		\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.50	\$ 2.00	\$ 1.50	\$ 1.25
Killarneys.....per 100		10.00	9.00	8.00	7.00	6.00	5.00	4.00
White Killarneys.....		10.00	9.00	8.00	7.00	6.00	5.00	4.00
Richmonds.....		10.00	9.00	8.00	7.00	6.00	5.00	4.00
My Maryland.....		10.00	9.00	8.00	7.00	6.00	5.00	4.00
Perle.....		10.00	9.00	8.00	7.00	6.00	5.00	4.00
Malds.....		10.00	9.00	8.00	7.00	6.00	5.00	4.00
Brides.....		10.00	9.00	8.00	7.00	6.00	5.00	4.00
Carnations.....		4.00	3.00	2.00	1.50			
Orchids, Cattleyas.....per dozen		6.00	5.00					
Lily of the Valley.....		4.00	3.00	2.00	1.50			
Violets, Princess of Wales.....		.75						
single and double.....		.75	.50					
Sweet Peas.....		1.00	.75	.50				
Mignonette.....		6.00	4.00					
Romans.....		3.00	2.00					
Narcissus.....		4.00	3.00					
Tulips.....		4.00	3.00					
Rubrum Lilies.....		8.00	6.00	4.00				
Jonquils.....		4.00	3.00					
Daisies.....		1.00						
Asparagus Plumosus Sprays.....		4.00	3.00	2.00				
Asparagus Sprengel Sprays.....		3.00	2.00					
Mexican Ivy, \$5.00 per 1000.....		.60						
Smilax.....		12.50	10.00					
Adiantum.....		1.00						
Galax, Green or Bronze.....per 1000		1.00						
Ferns.....		2.00						
Boxwood, 50-lb. case \$6.00.....bunch		.25						
Fresh Sheet Moss.....per bbl.		.50						

Washington.

TRADE RESUMES NORMAL CONDITIONS.

The cold weather has passed on and business has resumed its normal condition. There is an abundance of stock on the market and much of it is of fine quality. Nearly all the retailers are having many calls for dinner and luncheon decorations and much fine stock is being used for these purposes.

NOTES.

On a recent visit to the greenhouses of the bureau of plant industry, Department of Agriculture, we were much interested in the carnations. It is the object of this bureau to give its own and other new varieties a thorough test. To this end they have a number of very promising seedlings of their own production as well as a number of plants of nearly all the new varieties that have recently been disseminated by commercial florists. Among these were noticed Princess Charming, White House, Pennsylvania, Apple Blossom, Wanoka, E. G. Gillet, Pocahontas, Pink Delight, Dorothy Gordon, Mrs. Clarence Mackay, Gloriosa, Admiration, White Wonder and Norwood. Florists visiting Washington would do well to call at the greenhouses of the bureau where the different varieties are grown side by side and their merits judged. The pink seedling, which originated with the bureau several years ago, has been named Mrs. Helen Taft. Quite a number of plants of it are being grown this season and it looks very promising to us. It is a healthy grower and prolific and the color is good and should attract the attention of the trade. The Enchantress types, Mrs. C. W. Ward and White Perfection, are also grown.

The monthly meeting of the club was held in the hall, 1214 F street, on

the night of January 2. Considering the very bad weather the attendance was very fair. The feature of the meeting was H. A. Huston's lecture on "Food for Flowers." E. J. Reynolds was elected and M. J. McCarter proposed for membership. Among the interesting visitors was C. B. Knickman of McHutchison & Co., New York. We are always glad to see Knickman, his honest smile is inspiring.

A good way for a retail florist to attract attention to his business is to put new ideas into practical, striking and tasteful form. For a dinner decoration which he recently executed, Geo. H. Cooke had the ice cream served at each plate in an American Beauty rose. Well opened blooms were taken and the heart petals removed. The outer petals were turned down for effect. If this has ever been done before we have not heard of it.

Mayberry & Hoover executed a fine dinner decoration January 12, at the home of John Hays Hammond. The occasion was a dinner given by Mr. and Mrs. Hammond to Hon. Whitelaw Reid, ambassador to Great Britain, who is now on a visit to the home folks. Many fine American Beauty roses were used in the decoration.

Features of the market are the fine stocks Geo. H. Cooke is receiving from the Leo. Niessen Co., Philadelphia. This is very noticeable in the Killarney and White Killarney roses and snapdragons. All of these stocks are of an exceptionally fine quality.

W. R. Smith is now at his home in the Botanical Gardens. We regret to state that his condition does not improve, though he is under the care of a skillful physician and a trained nurse.

Z. D. Blackstone's new show windows are looking very handsome these

days. Mr. Blackstone is not too stingy to put enough flowers in his windows to make them attractive.

At A. B. Garden's range large numbers of Rambler and Dorothy Perkins roses are being brought out of cold storage and started.

George C. Shaffer finds his new auto delivery a great aid to business; incidentally it is good advertising.

F. H. Kramer will have his usual large stock of good things for Easter.

James Meiklejohn of New York was in the city January 6. A. F. F.

Pittsburg.

TRADE SHOWS IMPROVEMENT.

The weather has warmed up a little and business shows quite an improvement over last week, and quite a number of social affairs are being booked for the near future. A fine supply of spring flowers is a welcome addition to the market, as is evidenced by the quantities of these flowers disposed of. American Beauties are scarce and other roses are none too plentiful. Carnations are not moving out as well as expected.

NOTES.

A. W. Smith Co. are cutting a large number of very fine cattleyas and they are being used effectively in window displays.

All the Sheridan public schools were closed January 16 in respect for Mrs. E. J. McCallum, who was buried that day.

G. & J. W. Ludwig state that funeral work has kept them very busy lately.

Roebler, of Fleischman's, Chicago, visited the city this week.

Walter Faulk is doing jury duty this week. J.

Prize Beauties

Fine crop of long stem, select quality prize winners. For three years the best.

CHOICE ROSES, CARNATIONS, LILIES

Current Price List: Subject to market changes.

American Beauties

	Per doz.	\$ 5.00
Specials, 48-inch stems and over.....		\$3.00 to 4.00
30 to 36-inch stems.....		2.00 to 2.50
24-inch stems.....		1.50
15 to 20-inch stems.....		1.00
12-inch stems.....		

Carnations

	Per 100	\$4.00
Extra fancy red (Bassett).....		4.00
Extra long fancy white.....		4.00
Extra long fancy Enchantress.....		3.00
Winsor.....		

Bulb Stock

	Per doz.	\$2.00; per 100	15.00
Harrisii Lilies.....		3.00	3.00
Narcissus Paper White, per 100.....		3.00	3.00
Roman Hyacinths, fancy long.....		3.00 to 4.00	
Lily of the Valley, per 100.....			

Select Pink and White SWEET PEAS, per 100.....\$1.00

We Are Growers of All the Stock We Sell and Guarantee It to Be Strictly Fresh.

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago.

Greenhouses: Hinsdale, Ill.

Chicago.

TRADE INCREASING.

With higher temperatures and weather that does not keep the people shut up in their heated houses, the condition of the trade has improved rapidly, and as society has begun to entertain and hold receptions, the greater demand for flowers has been noticeable, so much so in fact that stock has cleaned up quickly, with a reported shortage in some lines. Roses have had a good call and the supply is not large in any variety except American Beauties, which seem to be in magnificent crop with all the growers; but there have been some very good calls for this rose which has prevented any accumulation. Killarneys, with some of the growers, are showing the effects of the severe temperatures and short days and are not of so high a color as they have been. Yet some of the growers are sending in stock that is of a most beautiful shade. Richmonds are of high quality, but the quantity received is not nearly as large as it was a month ago. There is a good call for white roses and the market sells up clean every day. Carnations are now in good supply and the quality is of the best, some elegant Enchantress, White Enchantress, Beacon and the newer varieties Washington Gloriosa and White Wonder being received in all the shipments. Orchids are now quite plentiful and are being made a great feature by all the large retail stores, beautiful baskets and vases being shown in the windows and on the counters, and are also being largely used for personal decoration in corsages. The growers have been sending them in good quantities and some exceptionally low prices are quoted for larger quantities. Violets are very plentiful and are being offered at very

low prices for this season of the year. The demand for lilies has been very good and the supply is not very large and the prices have held very firm all the month. A few L. auratum and L. rubrum are to be had and they add materially to the long-stemmed high-colored flowers. Bulbous stock is increasing rapidly and the quality is also improving. Tulips of white, pink, red and yellow are offered in quantities and the stems are longer and the flowers much better. Trumpet Major narcissus is also to be had in quantity and the flowers are of better substance. There is a great supply of Paper White narcissus and Roman hyacinths. Lily of the valley is having a very good call, and the supply is adequate. Freesia is now in good supply and some blooms of excellent quality are obtainable. Sweet peas are of splendid quality and the receipts are much larger, so that all the colors are obtainable and they are being freely shown at the retail stores. Mignonette of excellent quality, marguerites in small quantities and pansies are also seen. The greens are in none too large supply and are picked up quickly. The retail stores are showing a fine line of blooming plants, some splendid azaleas, cyclamen, primroses and winter flowering plants decorate all the stores.

AN ELABORATE DECORATION.

Henry Wittbold arranged a very elaborate decoration in the Elizabethan room at the Congress January 19, the occasion being the reception given by Mr. and Mrs. Harold F. McCormick to Ermanno Wolf-Ferrari, the composer. The ceiling was draped with southern smilax and large panels of the same material decorated the walls, through which American Beauty roses were entwined. The promenade to the room was similarly decorated, and with 50 large



American Beauties,
Roses,
Carnations,
Orchids, Gardenias,
Valley, Violets,
Daisies, Lilies, Etc.
Greens.

At lowest market rates

Weiland & Risch

154 N. Wabash Ave.,
CHICAGO.

U S Budlong's
E Blue Ribbon Valley.

bay trees on each side. Tall vases of American Beauty roses arranged in globular tree form were placed around the room and the tables banked with the same rose. Thirty cases of smilax and more than 2,500 roses were used

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone CHICAGO, ILL.
Randolph 35

SPECIAL PRICE ON ORCHIDS

(Cattleyas)

By the Hundred

\$25.00 to \$30.00

CURRENT PRICE LIST

AMERICAN BEAUTIES.		Per doz.			Per 100
Long Special		\$5.00 to	\$ 6.00		\$ 4.00
36-inch			4.00		8.00 to 10.00
30-inch			3.00		
24-inch			2.00		
15-inch to 20-inch			1.50		
12-inch			1.00		
Short Stem, per 100		\$4.00,	6.00		
RICHMOND, select			Per 100		
Fancy		\$12.00			
Medium		10.00			
Good Short		8.00			
		6.00			
PRINCE DE BULGARIE, extra select.		\$20.00			
Select		15.00			
Medium		\$10.00 to	12.00		
KILLARNEY, select		\$12.00			
Fancy		10.00			
Medium		8.00			
Good Short		6.00			
MRS. AARON WARD, extra		\$15.00			
Select		12.00			
Medium		\$8.00 to	10.00		
MY MARYLAND, select.		\$12.00			
Fancy		10.00			
Medium		8.00			
Good Short		6.00			
WHITE KILLARNEY, select.		\$12.00			
Fancy		10.00			
Medium		8.00			
Good Short		6.00			
PERLE, long		\$ 8.00			
Medium		6.00			
Short		4.00			
MELODY, long					Per 100
Medium		\$12.00 to	\$15.00		\$ 4.00
		8.00 to	10.00		8.00 to 10.00
GOOD SHORT STEM ROSES.					
Our selection				5.00 to	6.00
Our Extra Special Grade Roses charged accordingly.					
CARNATIONS, fancy					Per 100
"	first quality				\$ 4.00
"	splits				3.00
					2.00
ORCHIDS, Cattleyas, per doz.		\$4.00 to	\$5.00		
HARRISII, per doz.		\$2.00			12.00
NARCISSUS PAPER WHITE.					3.00
ROMANS				2.00 to	3.00
VALLEY		\$3.00 to		4.00 to	5.00
VIOLETS, double				.75 to	1.00
VIOLETS, single, Princess of Wales				.75 to	1.00
MIGNONETTE, large spikes				6.00 to	8.00
FREESIAS				3.00 to	4.00
JONQUILS				4.00 to	5.00
STEVIA					2.00
TULIPS PROSPERINE					4.00
SWEET PEAS				.75 to	1.00
ADIANTUM, short					.75
ADIANTUM CROVEANUM, fancy					1.00
SMILAX				per doz., \$2.00	
SPRENGERI PLUMOSUS SPRAYS				3.00 to	4.00
PLUMOSUS STRINGS				each, 60c	
FERNS				per 1,000, \$2.00	
GALAX				per 1,000, 1.00	
LEUCOTHOE					.75
BOXWOOD, per bunch					.25c
BOXWOOD, per case					\$6.50
WINTER BERRIES, large case					2.50
MEXICAN IVY				per 1,000	6.50

**POEHLMANN'S FANCY VALLEY } We make these a specialty.
EXTRA FINE HARRISII LILIES } Can supply them all the Year.
Once tried you will have no other**

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

CARNATIONS

For MCKINLEY DAY. EXTRA FINE RED, WHITE and PINK.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

	Per Dozen		Per Dozen
60-inch stems	} \$5.00	24-inch stems	.....\$3.00
48-inch stems		20-inch stems	..... 2.50
36-inch stems	} 4.00	15-inch stems	..... 2.00
30-inch stems			

Killarney.

	Per 100
Extra special	.....\$10.00
Selects	..... 8.00
Fancy	..... 7.00
Medium	..... 6.00
Good	..... 5.00
Short stems	..... 4.00

Richmond

	Per 100
Extra special	.....\$15.00
Selects	.....12.00
Fancy	..... 10.00
Medium	..... 8.00
Good	..... 6.00

Jardine

	Per 100
Select	.....\$10.00
Fancy	..... 8.00
Good	..... 6.00

White Killarney

	Per 100
Extra specials	.....\$10.00
Selects	..... 8.00
Fancy	..... 7.00
Medium	..... 6.00
Good	..... 5.00
Short stems	..... 4.00

Uncle John

Select	.....\$ 8.00
Fancy	..... 6.00
Good	..... 4.00

Roses, our selection - - - \$5.00

Carnations,

Special	.....\$4.00
Fancy	..... 3.00
Good	..... 2.00

TULIPS.....\$3.00 to 4.00

FERNS, per 1000, \$2.00. SMILAX, per doz., \$1.50 to \$2.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERL, per 100, \$2.00 to \$3.00.

ASPARAGUS SPRAYS, per 100, \$2.00 to \$3.00.

in the decoration. Specimen plants of Cibotium Schiedei produced a light, airy effect between the heavier decorations.

NOTES.

Poehlmann Bros. Co. is cutting a large supply of choice orchids and is offering some extra fancy Cattleya Trianae at very reasonable prices. The crops of these beautiful flowers are so large at present that the storekeeper can secure them at a very low price and use them to great advantage in his every-day work. John Poehlmann says that his firm will vacate their present quarters as soon as the new store is in such shape that they will be able to move in from the present location and go right on with the business.

The hard time party that was given by H. Van Gelder and Fred Wittbold, at the Wittbold home on Buckingham Place, on Wednesday evening, January 17, was a great success and the 60 people who were present all report having had a most enjoyable time. A colored orchestra furnished the music while the happy couples danced to their heart's content.

Peter Reinberg is particularly well fixed on American Beauty roses, and it is a pleasure to see the smile of satisfaction that passes over Tim Matchen's face when the shipments of this rose come in. Killarneys are also arriving in fair-sized quantities of exceptionally fine color.

E. J. Fancourt, S. S. Pennock-Meehan Co.'s gentlemanly representative, is visiting the trade and renewing acquaintances this week. He will probably be with us again in August with his unrivalled line of goods. He re-

ports trade as very good throughout the west.

The force at A. Lange's store have had their hands full all the week, notwithstanding the general reports of quiet business. Some very nice funeral orders have been executed and a number of social functions have kept all hands busy, both the day and evening help.

John Mangel has had his hands full this week with the sudden awakening of the social trade. He always has a splendid showing in the store and windows. His baskets of orchids and roses attract a great deal of attention in his beautiful windows.

Wietor Bros. are in full crop with carnations and have something exceptionally fine in red, white and pink to offer their customers for McKinley Day. Uncle John roses of fine quality are one of the leading features at this house this week.

The E. Wienhoeber Floral Co. are showing a very fine line of orchids with their other splendid stock. A case of cattleyas, with some magnificent sprays of oncidium, were a most attractive feature the last week.

J. R. Falkenstein of Naperville, who is growing a great many Washington, speaks very highly of this carnation and says that it is the best producer and the best money bringer that he has in his greenhouses.

Wm. Goddell is now filling the position of shipping clerk at the Kyle & Foerster store.

The Adams-Robertson Co. are having a very satisfactory business in their new store, and the proprietors are more

U S Budlong's E Blue Ribbon Valley.

than pleased with the trade that they have had all the season.

Joseph Brown, Winterson's traffic manager, has the sympathy of the trade in the loss of his mother, whose death occurred Saturday, January 20.

Miss M. C. Gunterberg is receiving large shipments of orange blossoms and would be pleased to take any reliable local or out-of-town orders for them.

Martin Reukauf is this week showing the local trade what a fine line of goods his firm, H. Bayersdorfer & Co. of Philadelphia, are handling.

It is rumored that several of the young ladies employed on the local market are to take advantage of 1912. Particulars later.

J. A. Budlong is now cutting from a new crop of lily of the valley and is again offering their famous Blue Ribbon brand.

Some people are wondering why John Sinner should advertise for help when he has such a charming next door neighbor.

John T. Muir's mother is quite ill and is reported to be in a serious condition.

Wedding bells will soon be ringing in Irving Park. Oh! You Des Plaines.

BEAUTIES

Medium and Long.

Large, splendid colored, showy buds on exceptionally fine stems, well laden with luxuriant foliage. Quantity large. Quality best.

CURRENT PRICE LIST.

AMERICAN BEAUTIES		Per doz.			Per 100
Extra long.....		\$ 4 00	PERLES, Special		\$ 8 00
36 inch stems.....		3 00	Select.....		6 00
30 inch stems.....		2 50	Medium.....		5 00
24 inch stems.....		2 00	Short.....		4 00
20 inch stems.....		1 50	SUNRISE, Select.....		8 00
15 inch stems.....		1 25	Medium.....		6 00
12 inch stems.....		1 00	Short.....	\$ 4 00 to	5 00
Shorts.....	50 to	75	Roses, our Selection.....		4 00
	Per 100		Carnations, Select.....		4 00
RICHMONDS, Special.....		\$10 00	“ Good.....		3 00
Select.....		8 00	Harrisii Lilies.....per doz., \$1 50 to \$2 00		
Medium.....		6 00	Valley.....	3 00 to	4 00
Shorts.....	\$ 4 00 to	5 00	Violets.....	75 to	1 00
KILLARNEY, Special.....		\$10 00	Sweet Peas.....		1 00
Select.....		8 00	Paper Whites.....	3 00 to	4 00
Medium.....		6 00	Tulips.....	3 00 to	4 00
Short.....	4 00 to	5 00	Romans.....	3 00 to	4 00
WHITE KILLARNEY, Special.....		\$10 00	Asparagus, bunch.....		2 00
Select.....		8 00	“ strings.....	60c to 75c each	
Medium.....		6 00	“ Sprengeri.....		2 00
Short.....	4 00 to	5 00	Smilax.....	1 50 to	2 00
MY MARYLAND, Special.....		10 00	Mexican Ivy.....		75
Select.....		8 00	Galax, bronze and green... per 1000, \$1 00		
Medium.....		6 00	Leucothoe Sprays.....		75
Short.....	4 00 to	5 00	Boxwood, per bunch.....	.25c	
MRS. MARSHALL FIELD, Special.....		10 00	Ferns, per 1000.....	\$2 00	
Select.....		8 00			
Medium.....		6 00			
Short.....	4 00 to	5 00			

Peter Reinberg

30 E. Randolph St., CHICAGO

“The Busiest House in Chicago”

Headquarters for Wild Smilax,
Asparagus Plumosus Sprays,
Asparagus Sprengeri Sprays.

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO.

CARNATIONS

Finest Red, White and Pink in the Market
Choice Roses and Seasonable Bulb Stock

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.
Long stems		\$ 5 00
36-inch stems		4 00
30-inch stems		3 00
24-inch stems		2 00
20-inch stems		1 00
18-inch stems		
15-inch stems		
12-inch stems		
Shorts		
		Per 100
White Killarney	Special	\$12 00
Killarney	Fancy	10 00
	Medium	8 00
Maryland	Short	6 00
	Extra long	15 00
Richmond	Special	12 00
"	Fancy	10 00
"	Medium	8 00
"	Short	6 00

ROSES, our selection per 100, \$6.00

	Per doz.	Per 100
Carnations, common	\$2 00 to \$3 00	
" fancy		4 00
Cattleyas	per doz., \$5 00 to 6 00	
Jonquills		3 00 to 4 00
Tulips		3 00 to 4 00
Valley		4 00 to 5 00
Violets		75 to 1 25
Paper Whites and Romans		3 00 to 4 00
Lilies	per doz., \$1 50 to \$2 00	
Callas	per doz., 1 50 to 2 00	
Sweet Peas		75 to 1 25
Smilax	per doz., \$1 50 to \$2 00	
Asparagus Strings	each, 75c	
Asparagus Plumosus	per bunch, 35c to 50c	
Fancy Ferns	per 1000, \$2 00	
Wild Smilax	per case, \$5 00	
Boxwood	per lb., 25c; 50 lbs., 7 50	
Mexican Ivy		75
Bronze Magnolia Leaves	per hamper, \$2 25	

VAUGHAN & SPERRY

Long Distance Phone
Central 2751.

161 N. Wabash Ave., CHICAGO.

Mention the American Florist when writing

Mr. and Mrs. William Winterson of 323 N. Oakley boulevard will celebrate their golden wedding anniversary on January 28. They were married in Bristol, England, in 1862, and came to this city more than forty years ago. The anniversary will be celebrated by a family reunion at which three generations will be represented. Eight children will be present. They are J. J. Winterson of Tacoma, Wash., and E. F. Winterson, L. H. Winterson, Thomas B. Winterson, Mrs. H. M. Clark, Mrs. James Marshall, Mrs. Alfred Freeman and Miss Jane Winterson, of this city. The Winterson family is well known to the trade and their many friends hope that the gathering will be a most pleasant affair.

J. F. Wilcox and wife returned to Council Bluffs, Ia., on January 18 after having consulted Dr. Billings, the well-known local specialist, in regard to Mrs. Wilcox's health. Mr. Wilcox is planning building a new range of greenhouses on his land known as the farm and will commence building operations either this spring or next fall. The new range will consist of at least 100,000 feet of glass, divided into two sections, with houses 500 feet long on either side of the driveway and the boiler house.

Fred Sperry left for Los Angeles, Calif., last Saturday, January 20, after selling out his interest in the Vaughan & Sperry store to his former associate, A. L. Vaughan, who will conduct the business in the future. Mr. Sperry has been ill for some time and he felt that a change of climate would greatly benefit his health.

J. P. Weiland and several others have incorporated with a capital stock of \$5,000 to grow and sell cut flowers. The new corporation will do business under the firm name of "Weiland's"

BRANT & NOE FLORAL CO.

Grows Carnations Only. Nineteen years of direct shipments from greenhouses to retailers, at reasonable prices, is the cause of so many long satisfied customers.

We Know Our Business and do everything in our power to please. Send your orders. Get as good as the best, at first cost affording you a profit with patrons seeking your store again and again.

Write or Wire **BRANT & NOE FLORAL CO., 5744 Brantwood Ave., CHICAGO.**

and will open a retail store in the Venetian building at 15 East Washington street, opposite Marshall Field & Co.'s store. This location in the center of the best shopping district is a most desirable one and should under the proper management enjoy a profitable trade.

James Curran, the Archer avenue florist, had an order this week from a baseball fan for a unique design, consisting of two bats and a ball of regulation size made up of lily of the valley, violets and carnations. The ball itself was made up of white carnations with violets worked in to represent the seams.

Chas. W. McKellar is another of the wholesalers who is offering a large quantity of choice orchids at reasonable prices. Bulbous stock of all kinds is arriving in large quantities. Mr. McKellar has received word from Columbus, O., that his brother James is laid up with an injured knee.

Paul M. Bryant is busy getting things in shape at E. H. Hunt's store in preparation for a busy season. Mr. Bryant says that his firm's traveling salesman, Clifford Pruner and F. Longren, are meeting with good success and sending in many orders.

The J. B. Deamud Co. is on deck as usual with a complete line of cut flowers and is offering something choice in all lines. J. B. has three young chaps in his employ who are hustlers

U S Budlong's E Blue Ribbon Valley.

and help keep things pretty lively at his place of business.

Hoerber Bros. are growing and selling some of the finest carnations that we have yet had the pleasure to look upon. Fancy stock in red, white and pink are daily offerings at this progressive firm's store.

Edgar Winterson is a pretty busy man these days getting things in readiness at Winterson's seed store for the coming season.

Robert Northam says that a shortage of roses always brings many strange faces to the George Reinberg store.

Joseph Ziska of the Chicago Rose Co. is laid up with a severe attack of rheumatism.

W. N. Rudd left for Champaign January 23 on College of Agriculture business.

W. W. Randall started out on another business trip on January 22.

Continued on page 24

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House,

66 E. Randolph Street,

CHICAGO.

BEAUTIES

Extra fancy stock of the Randall Quality.
Mostly Medium and Long.

CATTLEYS

Fancy Home Grown Stock. Choicest
Orchids in this Market.

Mention the American Florist when writing

Cut Flowers * * * E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —
131 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave Chicago
L. D. Phone Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

66-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1976 and 1977.

Mention the American Florist when writing

Geo. Reinberg

Wholesale Florist

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

Headquarters for **ORCHIDS** and Fancy Stock
CHAS. W. McKELLAR,
162 N. Wabash Avenue, CHICAGO.

Wholesale Flower Markets

	CHICAGO, Jan. 24,	Per doz.
Roses, Beauty, specials.....	5 00 @	6 00
" " 36-in		4 00
" " 30-in		3 00
" " 24-in		2 00
" " 20-in		1 50
" " 18-in		1 00
" " 12 in		75
		Per 100
" " Short	4 00 @	6 00
" Killarney	4 00 @	12 00
" White Killarney	4 00 @	12 00
" Richmond	4 00 @	12 00
" Prince de Bulgarie	10 00 @	20 00
" Mrs. Aaron Ward	10 00 @	20 00
" My Maryland	4 00 @	12 00
" Perle	4 00 @	8 00
" Melody	8 00 @	15 00
" Bride	4 00 @	12 00
" Bridesmaid	4 00 @	12 00
" Uncle John	6 00 @	8 00
" Mrs. Jardine	4 00 @	10 00
" Mrs. Marshall Field	4 00 @	10 00
Carnations.....	2 00 @	4 00
Bouvardia.....		6 00
Gardenias.....	5 00 @	7 50
Cattleyas..... per doz.,	5 00 @	6 00
Oncidium.....		5 00
Vanda Coerulea..... per doz.,		3 00
Lilium Harrisii..... per doz.,	1 50 @	2 00
Mignonette.....	6 00 @	8 00
Paper Whites.....		3 00
Romans.....	2 00 @	3 00
Stevia.....		2 00
Sweet Peas.....	75 @	1 00
Freesias.....	3 00 @	4 00
Tulips.....	3 00 @	4 00
Valley.....	3 00 @	5 00
Joquilla.....	4 00 @	5 00
Violets, Single.....	75 @	1 00
" Double.....	75 @	1 00
Adiantum Croweaum.....		1 00
Boxwood..... per bunch,		25
Ferns..... per doz.,	1 50 @	2 00
Galax, bronze.....		1 00
green.....		1 00
Leucothoe.....		75
Mexican Ivy.....		75
Plumous String..... each,	50 @	60
Smilax..... per doz.,	1 50 @	2 00
Sprenger, Plumous Sprays.....	3 00 @	4 00
Winter Berries..... per case,	1 50 @	5 00

HOERBER BROS.

Wholesale Growers of Cut Flowers,
Telephone Randolph 275a.

Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

WIETOR BROS.

Wholesale **Cut Flowers**
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Percy Jones

56 E. Randolph St., CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

Valley \$3.00 to \$4.00 per 100.
A large supply of splendid quality.

White Freesia Per 100, \$5.00.

Single Daffodils Per 100, \$4.00.

Pansies Per 100, bunches, \$8.00.

THE LEO NIESSEN CO.,

Wholesale Florists,

N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

**GOLDEN SPUR
YELLOW TULIPS**

Best on the Market

THE McCALLUM CO. Inc.
Pittsburg Cleveland

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

Cleveland.

AN IMPROVEMENT IN BUSINESS.

The weather has moderated to some extent and business has taken a decided turn for the better. The demand far exceeded the supply toward the end of the week, when everything except white roses were cleaned up entirely. Carnations are improving in quality, some very fine stock now arriving daily, with stiffer stems and fewer rubber bands. Lilies are plentiful and in good demand, and callas clean up every day, while novelties always find a good call. Richmond roses are short of the demand and are mostly short stemmed; Killarney and White Killarney are in fine shape, both color and size of flower being excellent. American Beauties are not over plentiful, with a good call. Violets are again in better demand, as also is lily of the valley. Sweet peas are still a trifle short of the request, tulips are plentiful and stock is exceptionally good and a little stevia still appears. Paper white narcissus and Roman hyacinths are short in supply. Boxwood by the case is in demand, as many are using it in place of asparagus which is a little scarce during the dark weather. Smilax and adiantum are plentiful. It is high time now to advertise McKinley's birthday, Monday, January 29, so that a good demand for carnations will be created. This day is beginning to be a dead one, and must be advertised to keep it before the public.

NOTES.

T. Smith's wife and sister are on their way to California to visit Frank Smith, formerly of The Smith & Fetters Co., and now located in Los Angeles, Calif. They will stay until spring, and Mr. Smith expects to join them soon.

A new florists' store will be opened on or about January 31 by Geo. and Albert Wilhelmy on Lorain avenue near Fulton road. Geo. Wilhelmy was formerly connected with C. B. Wilhelmy and Albert with Wilhelmy Bros. They are all brothers.

Wholesale Flower Markets

PHILADELPHIA, Jan. 24.		Per 100
Roses, Beauty, extra	40 00@60 00	40 00@60 00
" " " " " " " "	20 00@30 00	20 00@30 00
" " " " " " " "	4 00@20 00	4 00@20 00
" " " " " " " "	4 00@20 00	4 00@20 00
" " " " " " " "	4 00@15 00	4 00@15 00
" " " " " " " "	4 00@20 00	4 00@20 00
Callas	12 00@15 00	12 00@15 00
Cattleyas	35 00@50 00	35 00@50 00
Daffodils	3 00@ 4 00	3 00@ 4 00
Gardenias	per doz., 2 00@3 00	2 00@3 00
Lilium Harrisii	10 00@12 00	10 00@12 00
Lily of the Valley	3 00@ 5 00	3 00@ 5 00
Marguerites	75@ 1 50	75@ 1 50
Narcissus Paper White	1 50@ 2 50	1 50@ 2 50
Snapdragons	6 00@15 00	6 00@15 00
Sweet Peas	75@ 1 50	75@ 1 50
Tulips	2 00@ 4 00	2 00@ 4 00
Violets, single	75@ 1 50	75@ 1 50
" " " " " " " "	75@ 1 50	75@ 1 50
Adiantum	1 00@ 1 50	1 00@ 1 50
Asparagus	per bunch, 50	50
Smilax	15 00@20 00	15 00@20 00

BUFFALO, Jan. 24.		Per doz.
Roses, Beauty, special	6 00	6 00
" " " " " " " "	4 00	4 00
" " " " " " " "	3 00	3 00
" " " " " " " "	2 00	2 00
" " " " " " " "	50@ 1 00	50@ 1 00

PITTSBURG, Jan. 24.		Per 100
Bon Silene	3 00@ 4 00	3 00@ 4 00
Perle	4 00@ 8 00	4 00@ 8 00
Maid and Bride	4 00@ 8 00	4 00@ 8 00
Pink Killarney	6 00@15 00	6 00@15 00
White Killarney	5 00@12 00	5 00@12 00
Richmond	6 00@15 00	6 00@15 00
My Maryland	5 00@12 00	5 00@12 00
Carnations	2 00@ 3 50	2 00@ 3 50
Callas	8 00@10 00	8 00@10 00
Daffodils	4 00@ 5 00	4 00@ 5 00
Daffodils, Single	4 00	4 00
Lilium Longiflorum	10 00@12 00	10 00@12 00
Lily of the Valley	3 00@ 5 00	3 00@ 5 00
Mignollette	2 50	2 50
Narcissus Paper White	2 00@ 3 00	2 00@ 3 00
Romans	3 00	3 00
Stevia	1 00@ 1 25	1 00@ 1 25
Tulips Yellow and White	4 00	4 00
Violeta	60@ 75	60@ 75
Adiantum Croweatum	75@ 1 50	75@ 1 50
Asparagus, per bunch	35@ 50	35@ 50
Asparagus Sprengerii	35@ 50	35@ 50

CINCINNATI, Jan. 24.		Per 100
Roses, Beauty, special	30 00@40 00	30 00@40 00
" " " " " " " "	15 00@25 00	15 00@25 00
" " " " " " " "	10 00	10 00
" " " " " " " "	3 00@ 8 00	3 00@ 8 00
" " " " " " " "	3 00@ 8 00	3 00@ 8 00
" " " " " " " "	3 00@ 8 00	3 00@ 8 00
" " " " " " " "	3 00@ 8 00	3 00@ 8 00
" " " " " " " "	3 00@ 8 00	3 00@ 8 00
" " " " " " " "	3 00@ 8 00	3 00@ 8 00
Carnations	5 00@ 4 00	5 00@ 4 00
Cattleyas	50 00	50 00
Lilium Longiflorum	10 00@12 00	10 00@12 00
Lily of the Valley	4 00	4 00
Oncidium	3 00@ 4 00	3 00@ 4 00
Sweet Peas	50@ 1 00	50@ 1 00
Violets, single	35 @ 50	35 @ 50
" " " " " " " "	75	75
Adiantum	1 00	1 00
Asparagus Sprengerii, per bunch	35	35
" " " " " " " "	35	35

CINCINNATI, Jan. 24.		Per 100
Roses, Beauty	per doz., 1 00@ 5 00	1 00@ 5 00
" " " " " " " "	3 00@ 8 00	3 00@ 8 00
" " " " " " " "	3 00@10 00	3 00@10 00
" " " " " " " "	3 00@10 00	3 00@10 00
" " " " " " " "	3 00@ 6 00	3 00@ 6 00
" " " " " " " "	4 00@10 00	4 00@10 00
Carnations	3 00@ 5 00	3 00@ 5 00
Freeias	3 00@ 4 00	3 00@ 4 00
Lilium Giganteum	10 00@15 00	10 00@15 00
Lily of the Valley	3 00@ 4 00	3 00@ 4 00
Narcissus	2 00@ 3 00	2 00@ 3 00
Jonquils	4 00	4 00
Stevia	per bunch, 25@ 35	25@ 35
Sweet Peas	75@ 1 00	75@ 1 00
Violets, double	75@ 1 00	75@ 1 00
" " " " " " " "	75@ 1 00	75@ 1 00
Adiantum	1 00@ 1 50	1 00@ 1 50
Asparagus Plumosus	per bunch, 25	25
Asparagus Sprengerii	per bunch, 25	25

Miss Nettie Heideman of the Cleveland Florists' Exchange spent the week end visiting friends in Akron.



Give us a Trial We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists,
BUFFALO N. Y.
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

THE MUNK FLORAL CO.
Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.
Columbus, Ohio

Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio
Wholesale Growers of
EASTER LILIES, Ferns and Decorative Greens
Write for prices
Telephone West 562.

Pittsburgh Cut Flower Company
WHOLESALE GROWERS
121 Seventh Street, PITTSBURGH, PA.

Seattle Cut Flower Exchange
909 Post St., SEATTLE, WASH.
Everything in Cut Flowers, Greens, Plants, etc.
Write wire or Phone. L. P. WALZ, Mgr

U S Budlong's E Blue Ribbon Valley.

The McCallum Co. are receiving a large supply of sweet peas. Visitors—Martin Reukauf of H. Bayersdorfer & Co., and I. Rosnosky of H. F. Micheli Co. of Philadelphia, Pa. C. F. B.

Asparagus Plumosus Nanus

Cut Strings, 8 feet long, 50c each.

Pink Killarney, Rose Palms

Own Root Stock.

Send for Prices.

W. H. ELLIOTT,

Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonal stock.




A Good Place to Buy Cut Flowers. Palms, Ferns

Bulbs and Florists' Supplies. Write next time you need anything

C. C. POLLWORTH CO., Milwaukee, Wis.

—THE—

J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

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Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

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316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

Philadelphia.

ROSES IN SHORT SUPPLY.

For some reason nearly all the roses appear to be off crop and the supply is not equal to the demand. White are particularly scarce, the short or medium stemmed stock being bought up on sight. White tulips are largely used as substitutes in the cheaper work. Carnations are rather more plentiful and of very good quality. Daffodils are now to be had in quantity and are largely used. There is plenty of good white lilac. Sweet peas are much improved and good long stemmed stock is offered in all colors. Easter lilies from the storage-held bulbs now seem to be a sure crop and many are growing them as one of their staples. These flowers are now turned to for the funeral sprays when other flowers are scarce. Combinations of these with a little of almost any other suitable colored flower when nicely arranged are generally acceptable. Violets are in full supply. All kinds of bulbous stock, Roman hyacinths, tulips and narcissus, are plentiful and move slowly at buyers' prices; \$1.50 to \$2 a hundred is said to leave little if any margin for the grower, yet most of the stock will not bring this on the average. Cattleyas and gardenias are about equal to the demand, although gardenias are to be had in quantity if needed.

NOTES.

Those of the craft who were not able to attend the Detroit show, will be able to get a good idea of the new things by attending the next, or February meeting of the Florists' Club. Arrangements have been made with many of the introducers of the special and new varieties of carnations and roses to stage them at this meeting and have the club committee pass on them. All those who attended from this vicinity and also President Vincent of the S. A. F. will be present and give their impressions of the Detroit exhibition. All exhibits addressed to Secretary Rust, Horticultural Hall,

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 3209. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Mention the American Florist when writing

Wholesale Flower Markets

Boston, Jan. 24.		Per 100
Roses, Beauty, best	.....	25 00 @ 26 00
" " medium	.....	15 00 @ 20 00
" " culls	.....	2 00 @ 4 00
" Bride, Bridesmaid	.....	2 00 @ 6 00
" " Extra	.....	6 00 @ 12 00
" Killarney and Richmond	.....	4 00 @ 20 00
" My Maryland	.....	4 00 @ 20 00
" Carnot	.....	6 00 @ 12 00
Carnations, select	.....	3 00 @ 6 00
Callas	.....	8 00 @ 12 00
Cattleyas	.....	35 00 @ 50 00
Gardenias	.....	25 00 @ 35 00
Lilium Longiflorum	.....	8 00 @ 12 00
Lily of the Valley	.....	2 00 @ 4 00
Narcissus, yellow	.....	4 00 @ 6 00
" white	.....	1 00 @ 3 00
Sweet Peas	.....	50 @ 1 00
Smilax	.....	12 00 @ 20 00
St. Louis, Jan. 24.		Per 100
Roses, Beauty, medium stems	.....	20 00 @ 25 00
" " short stems	.....	2 00 @ 4 00
" " Bride, Bridesmaid	.....	3 00 @ 4 00
" " Killarney	.....	3 00 @ 8 00
" " My Maryland	.....	3 00 @ 8 00
" " White Killarney	.....	3 00 @ 8 00
Carnations	.....	3 00 @ 4 00
Callas	.....	10 00 @ 12 50
Aster Lilies	.....	10 00 @ 10 00
Valley	.....	3 00 @ 4 00
Asparagus Sprengerii	.....	2 00 @ 3 00
New York, Jan. 24.		Per 100
Roses, Beauty, special	.....	40 00 @ 75 00
" " extra and fancy	.....	15 00 @ 40 00
" " No. 1 and No. 2	.....	4 00 @ 6 00
" " Bride, Bridesmaid, special	.....	4 00 @ 8 00
" " extra and fancy	.....	4 00 @ 6 00
" " No. 1 and No. 2	.....	2 00 @ 4 00
" " Killarney, My Maryland	.....	8 00 @ 12 00
" " extra and fancy	.....	6 00 @ 8 00
" " No. 1 and No. 2	.....	2 00 @ 3 00
" " Richmond	.....	8 00 @ 12 00
Carnations	.....	2 00 @ 4 00
Cattleyas	.....	40 00 @ 50 00
D. Formosum	.....	25 00 @ 40 00
Gardenias	.....	4 00 @ 20 00
Lilies, Longiflorum and Harriahi	.....	8 00 @ 10 00
Lily of the Valley	.....	2 00 @ 4 00
Oncidium	.....	5 00 @ 10 00
Sweet Peas, per doz. bunches	.....	1 00 @ 25 00
Violets	.....	40 @ 75
Adiantum Croweanum	.....	75 @ 1 00

RICE BROTHERS

Wholesalers of Cut Flowers and Florists' Supplies.

Minneapolis, Minn.

Please mention the American Florist when writing.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

CYCAS LEAVES.

Size	Per doz.	Per 100	Size	Per doz.	Per 100
12-inch	.....\$0 50	\$3 00	32-inch	.....\$1 20	\$ 7 00
16-inch	..... 60	3 75	36-inch	..... 1 35	8 00
20-inch	..... 75	4 50	40-inch	..... 1 50	9 00
24-inch	..... 90	5 25	44-inch	..... 1 75	10 25
28-inch	..... 1 00	6 00	48-inch	..... 2 00	11 50

(50 leaves at 100 rate.)

GEO. H. ANGERMUELLER, Wholesale Florist
1324 Pine Street, ST. LOUIS, MO

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

Philadelphia, expressage prepaid, will be sure of being properly labeled and staged and figure in the report of the club. Shipments should arrive early on Tuesday, February 13. K.

New York.

A GOOD SUPPLY OF EVERYTHING.

Market conditions remain unchanged as to prices but there has been a let up in the supply. The extreme cold weather keeps the street men in and even though the supply is lighter there is an accumulation at all points. A great many shipments are still arriving in a badly frozen condition, in many cases the fault of the shipper in not using sufficient wrapping paper. While it is true there have been many very large orders for decorations and receptions there are not enough to affect prices. There is sufficient supply of almost all varieties of roses to meet the demand. Lady Hillingdon, Mrs. Aaron Ward, Prince de Bulgarie and what Sunburst are coming in still clean up at good prices. Killarney, My Maryland, Richmond and Mme. Chatenay are doing as well as can be expected. Brides and Bridesmaid are the poorest sellers of all, American Beauties are not so plentiful and clearing out nicely. In orchids cattleyas are very plentiful and while there has been a large call for these during the week it has not affected the price to any great extent. Cypripediums and Dendrobium formosum remain the same, but oncidiums are very plentiful with a tendency to lower prices. The great glut of gardenias seems to have disappeared and now prices on these should jump up considerably. Seldom, if ever, has there been gardenias of such good quality as at present. Lilies have advanced in price. Lily of the valley, tulips and the narcissi do not fluctuate much in price. Sweet peas, lilac, freesia and violets are very plentiful with no change in prices. Asparagus is doing well but smilax, even of the very best quality, is selling poorly. Yellow daisies are very scarce, there seems to be a constant call for these. Carnations are now of very good quality and in good supply, but the same cannot be said of the prices—even the novelties in these have dropped in price.

Monday, January 22.—Flowers of all kinds have shortened up considerably and prices have advanced on all kinds of stock.

NOTES.

The "Cauldy Wauldy" beefsteak dinner tendered A. Moltz on Saturday night was a great success in every way. The whole affair was in charge of Charles Millang, who evidently is a past master in that line. In addition to the very fine vaudeville entertainment provided Mr. Millang gave an up-to-date entertainment in soft shoe and clog dancing. It will be no surprise if "Charley," when tiring of selling flowers, horses and automobiles, may go on the vaudeville circuit doing a song and dance. It would be impossible to mention all who were there, but E. J. Polykranas, president of the Greek society, with many of Mr. Moltz's Greek friends, were very much in evidence. So was Vice-President Einsmann and Trustee Donaldson of the New York Florists' Club.

I. S. Hendrickson, chairman of the exhibition committee of the New York Florists' Club, announces that Monday night, February 12, has been designated carnation night, and any person desiring to exhibit will please forward the flowers to the committee, care of Traendly & Schenck, 131 West Twenty-eighth street, so as to reach there on that day, and they will be taken care of and properly staged by the committee.

Thomas Young, Jr., proprietor of the Beechwood Heights Nurseries, Bound Brook, N. J., will open a store at 113 West Twenty-eighth street for the better convenience of his many customers. This will be a salesroom in charge

ANNOUNCEMENT

Have opened our New York Branch
with a full line of

Cut Flowers and Florists' Supplies

We will be ready to ship Cut Flowers to all parts of United States and Canada. Your patronage is solicited. Thanking you for your past and future orders

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The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited.
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49 West 28th Street New York City

of Wm. Sheehan, who has been the salesman of the fine gardenias and cattleyas from these nurseries. Part of the output will be handled by Paul Meconi as heretofore.

The annual dinner of the New York and New Jersey Association of Plant Growers will take place at Mouguen, Sixth avenue and Twenty-eighth street, Thursday, February 1, at 6:30 o'clock. Tickets can be obtained from the secretary at \$5.00 each, which include cigars and wine and a vaudeville entertainment. The committee in charge is Julius Roehrs, Jr., H. C. Steinhoff, and Louis Dupuy.

The committee having the annual dinner of the New York Florists' Club and the celebration of the club's 25th anniversary in charge, are holding many meetings, working up surprises for the occasion. It is understood an unusual souvenir commemorating the occasion will be handed each lady guest.

A. Moltz has been a party of much interest in the wholesale district this week, but is rapidly getting his business affairs straightened out, and announces he will, in a few days, continue business on a much larger scale than in the past.

The annual dinner of the Morris County Gardeners' and Florists' Society takes place at Piper's hotel, Morristown, N. J., Wednesday, January 24, 1912, and from all accounts will be a record-breaker for that society.

J. J. Coan, manager of the Growers' Cut Flower Co., has the sympathy of all in his bereavement, having lost his mother by death from heart disease recently. Mrs. Coan's home was in Short Hills, N. J.

Theo. J. Lang has had charge of several large dinners for Mrs. Whitelaw Reid. Cattleyas were principally used, and the decorations were very elaborate.

All of John Meisem's friends are delighted to know that Mrs. Meisem is slowly recovering. For a long time her condition was critical.

A. Kakuda, of the Yokohama Nursery Co., is making an extended western trip, which will take in California.

P. F. Kessler is receiving a fine lot of magnificent freesias and sweet peas.

U S Budlong's E Blue Ribbon Valley.

The bowling scores Friday night were:

Chadwick	.....	232	182	196	226
Jos. Manda	.....	191	168	169	164
W. C. Rickards	.....	168	172	162	156
Schultz	.....	101	115	103	107
Holt	.....	134	139	112	197

There will be several prizes offered at the alleys the coming Friday night. Messrs. Robertson and Dodds of the Philadelphia Club have challenged any two men on the New York team for a series of games.

Y.

Worcester, Mass.

Trade conditions continue favorable in Worcester, despite the cold weather experienced in these parts this winter.

NOTES.

The first winter meeting of the Worcester County Horticultural Society was held in Horticultural Hall, January 11. A new variety of orchid, Calanthe Laselliana, produced by George McWilliam, was exhibited, together with a collection of other orchids. Mr. McWilliam, who is gardener for G. Marsden Whitin, Whitinsville, is attracting much attention from the horticultural world.

The employes of H. F. A. Lange have organized a bowling team and have bowled two games with the employes of H. F. Littlefield and two with the Adams Express Co.'s team. In both cases they split even.

At a recent meeting of the Market Gardeners' Association of Worcester County, the members voted to assist Mayor O'Connell's plan to establish a public market. A public meeting will be held in the common council chambers January 26.

Hail did much damage to the greenhouses of Mr. Richardson, a Grafton market gardener, recently

R.

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MILWAUKEE, Jan. 24.

Roses, Beauty.....per doz.,	1 50@ 6 00
" Killarney	5 00@12 00
" Richmond	5 00@12 00
" White Killarney	5 00@12 00
Carnations	1 50@ 4 00
Lilium Gigantum.....	12 50@15 00
Lily of the Valley.....	3 00@ 4 00
Paper Whites.....	3 00
Snapdragons.....per bunch,	35@ 75
Stevia.....	2 00
Violeta.....	75@ 1 00
Adiantum.....	1 50
Asparagus.....per string,	5c@ 75
" Sprengerl, per bunch,	2c@ 35
Ferns, Fancy.....per 1000,	2 10
Galax, green.....per 1000,	1 50
" bronze.....per 1000,	1 50
Smilax.....per doz.,	1 75
Wild Smilax.....per case,	5 00

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Chicago Notes.

Chas. Zapfe and Miss Edith H. Lyman of this city were married at the home of the bride's sister, Mrs. T. A. Mosley, at Kansas City, Kans., on Monday, January 15. Mr. Zapfe is well known to the trade in this vicinity, having formerly been in the employ of J. A. Budlong until he opened a retail store on South Park avenue. The happy young couple have the best wishes of their many friends for a safe voyage on the sea of matrimony. Charley says it is a difficult proposition for a man to turn down a young lady who proposes, especially when it is leap year.

John Risch says that Weiland & Risch will soon be cutting a large crop of gardenias and that he will soon be in a position to take care of a large number of orders for this popular flower. Killarney and White Killarney roses are arriving in good-sized quantities at this store, considering the general shortage noticed in some houses at present.

Otto Wittbold is so confident that he will succeed in having a road put in from Morton Grove to Edgebrook that he has already rebuilt a portion of his firm's greenhouses to make room for the same. The bedding stock at this place is in fine condition and a large assortment is in fine shape to be shipped out.

A. L. Vaughan this week purchased Fred Sperry's interest in the firm of Vaughan & Sperry and will after February 1 conduct the business under his own name. The genial southerner is well known to the trade in all parts of the country and has the best wishes of his many friends for continued prosperity.

Joseph Einweck, of the Bassett & Washburn force, left Sunday for Worthington, Iowa, where he will officiate as best man at his cousin's wedding. Joe expects to do a little hunting in the wilds of the Hawkeye state and has promised his friends that he will bring back some rabbits.

The Chicago Carnation Co. is offering a fine grade of carnations with Washington of excellent quality. Herald, the new comer, is attracting a great deal of attention at the store, where it is greatly admired and eagerly sought for by the leading retailers of this city.

A. I. Simmons, the enterprising West Sixty-third street florist, was very busy with funeral work this week, one order being for a blanket of more than ordinary style. The captain is a skillful designer and can properly take care of anything that comes his way.

Wm. Graff, of Columbus, O., was in the city this week on business and pleasure combined. He reports having had a banner Christmas trade and says that the stock he received from Wieter Bros. on that occasion was the best in the history of his firm.

Fred Nelson, Robert Ullrich and Chas. Rome were elected directors of the George Wittbold Co., at a meeting last week, to fill the vacancies which occurred by the withdrawal of Henry Wittbold and by the deaths of George and August Wittbold.

John Canger says that trade is picking up considerably at Canger & Gormley's and that he is now busy with table decorations and funeral work. Spring flowers are used mostly in the former and are appreciated by those who like a change.

Hoerber Bros. had a fire out at their greenhouses in Des Plaines last Sunday night, when the boiler shed and a corner of the greenhouses were partially destroyed. The loss will amount to about \$200.

The Chicago Flower Growers' Association is offering a fine grade of red, white and pink carnations and expect



FANCY FERNS, \$1.75 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$1.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood,per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket, \$2.25; 6 baskets, \$2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH

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Bronze Galax, \$4.00 per case of 10,000

FANCY FERNS, \$3.50 per case of 5000.

Green Leucothoe, 10 to 16 inch, \$1.00 per 1000. Regular lengths, \$1.75 per 1000

Wire Us Elk Park, N. C. Cash with order.

J. H. VON CANON & CO., Banners Elk, N. C.



to have a large supply of choice blooms for Carnation day.

Dwight L. Harris, general manager of the Pulverized Manure Co., is spending a few weeks at Boston, New York, Buffalo and other eastern cities.

John Michelsen says the E. C. Ameling Co. is experiencing much trouble with their violet shipments, the train from the east being many hours late.

Bassett & Washburn are supplying their customers with an exceptionally fine grade of long-stemmed sweet peas and American Beauty roses.

Kennicott Bros. Co.'s store presents a better appearance since the office has been moved to the front and other changes have been made.

The orchids that the A. L. Randall Co. is receiving from Chas. Bond are very beautiful flowers and deserving of immediate sale.

John Kruchten, the Gardenia Man, is filling some large orders for these flowers in addition to many for other lines of stock.

Warren Garland has evidently enjoyed a prosperous season for he has invested in one of the latest model touring cars.

T. E. Waters, with Poehlmann Bros. Co., has returned from a business trip to Minneapolis and St. Paul.

Philip L. McKee, with the John C. Moninger Co., has returned from an out-of-town business trip.

Zech & Mann are doing quite a shipping business in addition to a fine local trade.

Visitors: G. Hyekema, representing Van Zanten Brothers, and Joe M. Jansen, representing C. Kern & Sons, Hillegom, Holland; W. W. Diedrich, Warsaw, Ind.; — Smith, of Smith & Fetters, Cleveland, O.

Chicago Bowling.

Individual and team scores for games played Wednesday, January 17:

Violets.			Orchids.				
Pufurt ..	176	134	156	Zech	139	168	184
Tucholski	143	158	150	Graff	169	177	123
Schlossm'n	143	119	114	Krauss	129	127	171
Purfurt ..	157	142	146	Farley	176	157	170
Byers	114	177	167	Huehner	157	157	154
Totals	733	730	733	Totals	770	786	802
Roses.			Carnations.				
Stack	155	142	146	Lorman	125	163	182
Welsh	142	127	133	Ayres	131	128	158
Sch'man ..	109	166	124	Schultz	137	108	200
Sweeney ..	148	124	135	Balliff	156	150	168
Fischer ..	208	165	153	A. Zech	191	167	189
Totals	762	724	741	Totals	740	716	897

LAWRENCE, MASS.—Thornton Bros. have successfully closed out their jewelry business at auction and will devote their time to their florist's business.

ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN THE QUICKEST SHIPPER ALABAMA

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Fancy and Digger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Plas, Etc..

Delivered to all parts of United States and Canada

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Natural and Perpetuated Sheet MOSSES

E. A. BEAVEN, Evergreen, Ala.

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U S Budlong's E Blue Ribbon Valley.

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JOY FLORAL CO.

200,000 Square Feet of Glass.
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Mail, Telephone and Telegraph orders filled promptly with the choicest stock.
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FLORISTS.**

Phones: Home 1388, Comb, Main 1388 A.

.....634 Fourth Avenue.

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A. LANGE,

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Freeman-Lewis

212 West Fourth Street.

Cut flowers and design work of the highest class delivered to your customers here or anywhere in the west - mail or wire. Usual Trade Discount.

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Mail, Telephone and Telegraph orders filled promptly for all occasions.

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L. L. MAY & CO.

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that may be entrusted to them

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Write, Wire or Phone Your Orders to

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1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

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Alexander McConnell,

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The Most Central Location in City.

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CUT FLOWERS AND PLANTS.

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Personal Attention to all Orders.



IN THE HEART OF NEW YORK CITY.
Phone 6404 Madison Sq. 12 West 33d St
Our Motto—THE GOLDEN RULE.

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Flowers in any arrangement for all occasions.
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Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Poughkeepsie, N. Y.

"The Salford Flower Shop"

Vassar College and Bennett School.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

Montreal.



Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St. TELEPHONES
1501 and L 1582

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

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- Chicago—Canger & Gormley.
- Chicago—A. Lange, 25 E. Madison St., Chicago.
- Chicago—Geo. Witthold Co., 737 Buckingham Pl.
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- New York—Myer, Florist, 609 Madison Ave.
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- Omaha, Neb.—Hess & Swoboda, Farnum St.
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- Washington—Gude Bros.
- Washington—Geo. C. Shaffer, 14th and I Ste.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

Washington, D. C.

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Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best Dunlop's

96 Yonge Street,

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in Wisconsin

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

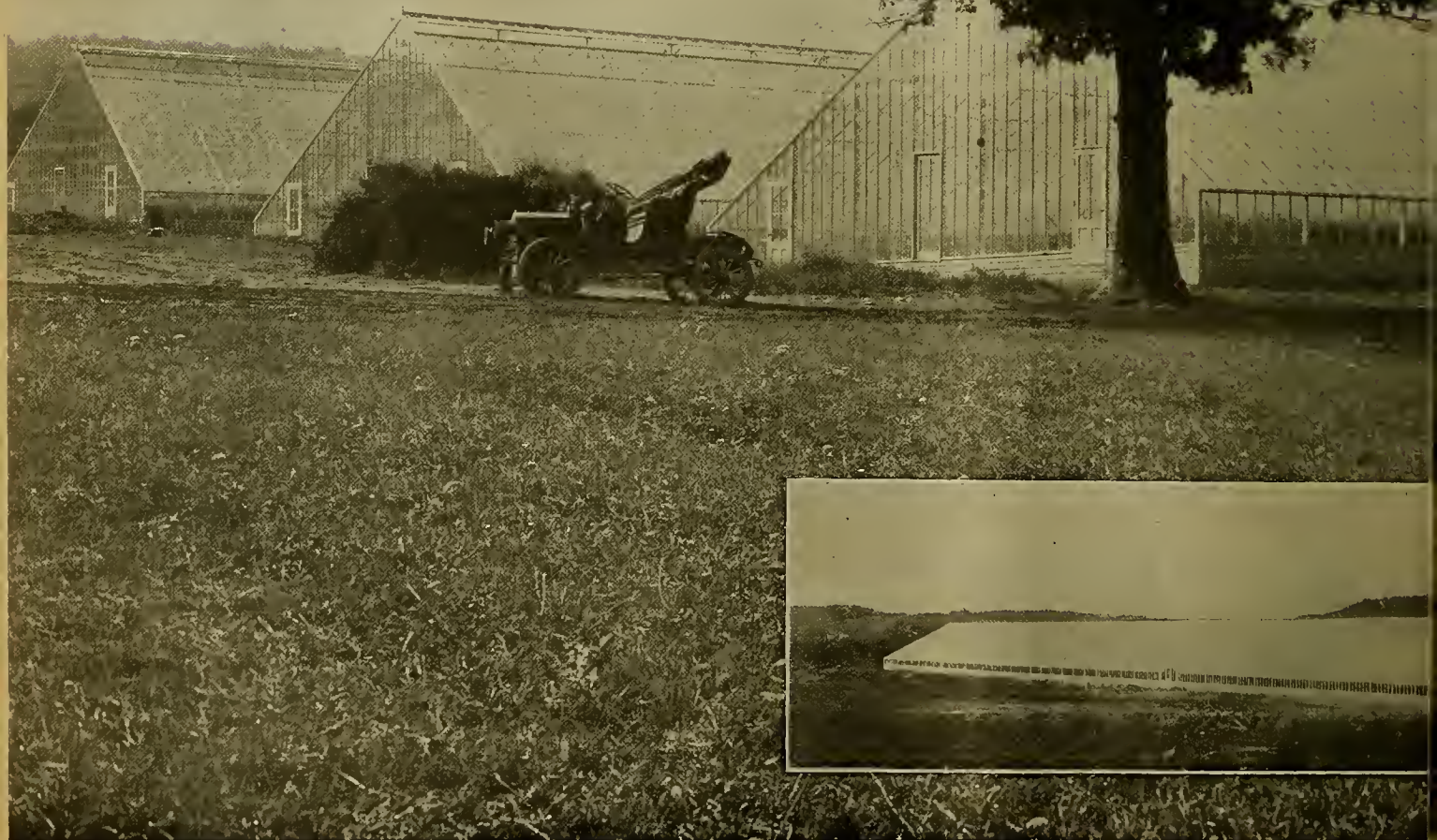
GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.



**THIS is a Part Glimpse of the
L. B. Coddington Range at
Murray Hill, New Jersey.**

Each house is 55 x 450 feet connect
We say, part glimpse, because thi
but it is the most up-to-date part.

It was along in the early nin
of which were 20 feet wide.

In 1905 we erected his first large h
fourth. 1911, the fifth, along with a swe
just ordered two more wide houses and

They will be practically duplica
experience with his last house is a concl

Work was started on the 55 x 450 f
glazing on April 25th. Glazing and pair
house (28 x 175 feet) the materials were
twenty-seven days in all.



sage house.
houses is but a small part of Mr. Coddington's layout —
first furnished material for his old range, the houses
e one. In 1906, came a second. 1909, the third. 1910, the
et wide by 175 feet long. And now Mr. Coddington has
or special purposes to be finished by July 1st of this year.
houses, but not quite as long. Mr. Coddington's
ce of the erection speed of our Iron Frame Construction.
h; the iron and woodwork was erected and ready for
ady for planting the house, May 20th. On the sweet pea
20th, and the house completed on August 16th, or only

Now, for a few pointed questions :

Are you going to build this year?

Are you going to take advantage of our special winter offer, and place your order with us now?

If you do, you will get the benefit of a lower price than if you wait until spring, when the big rush of work begins. Too many growers lose dollars, simply because they can't seem to get their nerve up to order a house until John Jones or Frank Smith or who not has ordered theirs. Then they want their house with a rush. And they get a rush job, and then rush all the year to make up for the extra price that rush jobs must always cost.

So, why not lead this year, instead of being lead?

Come right straight to your own decisions, and act

And act now, by sending for one of us to come and get right down to business doing figures with you.

Hitchings & Co.,

Write to or Call at our General Offices
ELIZABETH, NEW JERSEY.
New York Office, 1170 Broadway.

Vaughan's Book For Florists

SPRING EDITION 1912 READY.

Most complete and valuable seasonable offering,
covering all needs of the professional grower.

All best **Flower Seeds**, all high class Big Bulbs,
**Gladiolus, Tuberoses, Caladiums, Greenhouse
Plants** and all **Supplies**. Prices very low for quality.

Write Now for this Book.

VAUGHAN'S SEED STORE,

CHICAGO.

NEW YORK.

Buffalo.

COLD WEATHER RETARDS BUSINESS.

Cold, colder and coldest. Buffalo has been no exception; we have had all that was coming to us, even if it was a little late in arriving. Flowers have been in good supply and trade not rushing, owing to the cold weather. Some social functions scheduled for the week took place, the weather being no barrier. One notable ball given at a private residence was the season's event. The decorations were very elaborate, only the choicest cut flowers used for the tables, such as orchids, lilac, lily of the valley and Killarney roses, the rooms having palms, southern smilax, begonias, poinsettias and lilies. The verandas were enclosed with palms and laurels as a decoration. Another reception on the same day called forth another elaborate decoration, also a dinner given to one of Buffalo's prominent citizens gave the florist a chance to make a fine showing, no expense being spared in the decorations. So for a cold week some of the florists were very busy. Considerable difficulty was found in delivery the past week, many plants and flowers being frozen. Daffodils made their appearance the past week and found ready sale. Tulips are also on sale, but rather short stemmed. Roses are good and carnations are small.

NOTES

The sudden death of F. P. Baum of Kingsley street, about two months ago, was followed by the death of Mrs. Baum on Saturday, January 13. They were both well known and highly respected by the trade. The sympathy of the florists is extended to F. P. Baum, Jr., and sister.

The Buffalo florists to a man are actively engaged in furthering the cause of William F. Kasting as state

commissioner of agriculture, for which position he is an active candidate and one who is certainly competent to discharge the duties of the office.

The February meeting of the Buffalo Florists' Club should be a rouser, as nominations for the ensuing year will be on the calendar, also some talk of a fall show, which the committee thought best to postpone until 1912.

BISON.

Nashville, Tenn.

The extreme weather since the holidays has had the effect of causing a slight falling off in the bulk of trade. There have been fewer social affairs than usual at this time of the year. But on the other hand, there have been more funerals of prominent citizens and this, with the general run of trade, has kept things from getting dull. There have been some weddings, but none very large or what is called fashionable.

NOTES.

Geny Bros. arranged a pretty and novel wedding at which over five thousand violets were used. The bride carried lilies-of-the-valley and elegant orchids, made into a muff, and the bridesmaids carried violet bouquets. They have a plentiful supply of violets, and have had all winter. They went through the cold spell without any mishaps, although the coal pile melted away like snow in a summer sun.

While trade is somewhat dull, the echoes from the holidays are still gratifying. The Joy Floral Company sold out everything in the way of pot plants and decorated baskets. They had plenty of carnations and cut twenty-one thousand roses and sold them.

McIntyre Bros. were in the market house, Saturday, with some beautiful plants, the weather having moderated so far as to permit them to be taken out. They passed safely through the below zero weather.

Haury & Sons say the cold spell did them no damage and they got through beautifully. They report trade dull, as it was everywhere, but had picked up wonderfully as soon as the weather moderated.

Arnold Schmid says his lettuce and parsley are the finest ever and he has no trouble in disposing of his stock at wholesale. M. C. D.

Lancaster, Pa.

The second meeting of the Lancaster Florists' Association was held in the Chamber of Commerce January 18. It was decided to hold monthly meetings the third Thursday of each month with the exception of June, July, August and September.

Any one desiring to display novelties at these meetings will find an appreciative audience. At this meeting we had a display of carnations: Rainbow from the Wanoka Greenhouses, Barneveld, N. Y.; Delhi from Wm. Murphy of Cincinnati; Rosette from F. Dorner & Sons Co., LaFayette, Ind.; Comfort from the S. S. Pennock-Meehan Co., Philadelphia, Pa.; a fine red seedling from H. D. Rohrer, Lancaster, Pa., and a vase of mixed seedlings from F. Bruckhart of Litz, Pa., in which was a very good dark pink and a fine maroon.

President Albert M. Herr gave a talk on the Detroit meeting which was followed by a lively discussion on the merits and demerits of various carnations. A. M. HERR.



Pteris Magnifica.



Pteris Cretica, Albo Lineata

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.

Stock Ready for Shipment Now.

Ferns.

BOSTONS.				
Size	Each	Doz.	100	1,000
2-in.			\$3.00	\$25.00
3-in.		\$1.00	8.00	
4-in.		1.50	12.00	
5-in.		3.00	20.00	
6-in.		6.00	45.00	
7-in.	\$0.75	9.00		
8-in.	1.00	12.00		
9-in.	1.50	18.00		
10-in.	2.50			
12-in.	3.50 to \$5.00			
Boston Fern Baskets, each..\$1.00, 1.50, 2.00				
ASST. FERNS, FOR DISHES, 2-in.. \$0.40				
doz.; \$3.00 per 100; \$25.00 per 1,000.				
		Each	Doz.	
Cibotium, 7-inch		\$2.50	\$30.00	
8-inch		3.00	36.00	

Bedding Plants

	Per 1,000
Althernanthera, red and yellow cuttings	\$6.00
Achyranthes—rooted cuttings.	
P. de Bailey	6.00
Metallica	6.00
Lindenii	6.00
Warscewiczii	6.00
ACHYRANTHES—2-Inch.	Per 100
P. de Bailey	\$2.50
Metallica	2.00
Lindenii	2.00
Warscewiczii	2.00
AGERATUM, Stella Gurnay—2-Inch.	2.00
Princess Pauline—2-inch	2.00
COLEUS ROOTED CUTTINGS.	Per 1000
Pfister, red and yellow	\$6.00
Beckwith's Gem	6.00
Golden Bedder	6.00
Verschaffeltii	6.00
COLEUS—2-Inch.	Per 100
Pfister, red and yellow	\$2.00
Beckwith's Gem	2.00
Golden Bedder	2.00
Verschaffeltii	2.00
Gnaphalium Lanatum—2-Inch	2.00
Heliotrope, 2-inch	2.00
Heliotrope, 3-inch	4.00

Bedding Plants.

	100	1000
Ivy, German, 2-inch	2.00	
Lantana Delicatissima, 2-inch	2.00	
Lobelia Catherine Mallard, rooted cuttings		6.00
Lobelia Catherine Mallard, 2-inch	3.00	25.00
Marguerites, yellow cuttings		8.00
Marguerites, yellow, 2-inch	2.00	
SALVIA—Rooted Cuttings.	Per 1000	
Bonfire	\$6.00	
Zurich	6.00	
SALVIA—2-Inch.	Per 100	
Bonfire	\$2.00	
Zurich	2.00	
	Doz.	100
VINCAS—4-Inch.	\$2.00	\$15.00

Stove and Greenhouse Plants

Aspidistra, Green	\$0.08 per leaf
Variiegated	.15 per leaf
Araucarias—	
4-in., 2-3 tiers	\$0.50 each; \$ 6.00 per doz.
6-in., 4-5 tiers	1.00 each; 12.00 per doz.
7-in., 4-5 tiers	1.50 each; 18.00 per doz.
Asparagus Baskets, \$1.00, \$1.50 and \$2.00 each.	
Asparagus Plumosus—	
2-in.	\$0.40 per doz.; \$ 3.00 per 100
3-in.	.75 per doz.; 6.00 per 100
4-in.	1.50 per doz.; 12.00 per 100
6-in.	4.00 per doz.; 30.00 per 100
Asparagus, S. D.—	
4-in.	\$1.50 per doz.
Boxwood Bushes—	
8-in. high	\$0.25 each
12-in. high	.35 each
18-in. high	.50 each
24-in. high	1.00 each
Boxwood—	
Globe, 18-in. in diameter	\$2.50 each
Cyperus—3-in.	\$0.75 per doz.; \$ 5.00 per 100
4-in.	1.50 per doz.; 10.00 per 100
Dracena Indivisa—	
2-in.	\$3.00 per 100; \$25.00 per 1,000
7-in.	\$1.25 each; \$15.00 per doz.
Dracena Massangeana—6-in.	\$1.25 each
7-in.	1.50 each

Bulbs.

	Per 100	Per 1000
Cannas, Chicago	\$2.50	\$20.00
Egandale	2.50	20.00
Chas. Henderson	2.50	20.00
	Per 100	
Dahlias, Thatcher, double yellow	\$12.00	
Sylvia, light pink	12.00	
A. D. Livoni, shell pink	12.00	
J. Cowan, single	12.00	
J. Downie	12.00	
Ami Barilet, single	12.00	
Fashion, single	12.00	
	Per 1000	
Gladiolus, America, 2nd size	\$25.00	
Augusta, 1st size	20.00	
Augusta, 2nd size	15.00	
Mrs. Francis King, 2nd size	12.00	
Mrs. Francis King, 3rd size	8.00	
Mrs. Francis King, 4th size	6.00	
Ismene Calathina, 1st size, 6c each; 2nd size, 4c each; 3rd size 2c each.		

Stock for Easter Forcing.

Rhododendrons, 75c, \$1.00 and \$1.25 each.	
Lilac, Marie Legraye	\$1.00 each
Ralmia latifolia	\$1.00 each
Spiraea, Gladstone	\$3.00 per dozen
Queen Alexandra	\$4.00 per dozen
Japan Maples	\$1.00 each

STOVE AND GREENHOUSE PLANTS.

Dracena Terminalis—		
4-in.	\$0.35 each; \$4.00 per doz.	
Ficus Elastica (Rubbers)—		
6-in.	\$0.50 each; \$6.00 per doz.	
Ficus Repens—		
Vines 2 1/2-in.	\$0.50 per doz.	
Ivy, English—		
3-in.	\$0.75 per doz.	
4-in.	1.50 per doz.	
Pandanus Utilis, 3-in., per doz.	\$1.50	
PANDANUS VEITCHII.		
	Each	Doz.
4-in.	\$0.50	\$5.50
5-in.	.75	8.00
6-in.	1.00	12.00
Tradescantia Variegata (Wandering Jew)—		
2-in.	\$0.40 per doz.; \$3.00 per 100	

PALMS

KENTIA BELMOREANA.

Pot	High	Leaves	Doz.	100
2 1/2-in.	8-in.	4	\$1.50	\$12.00
3-in.	8-10-in.	4-5	2.00	15.00
4-in.	12-in.	4	3.60	30.00
4-in.	12-15-in.	4-5	4.50	35.00
5-in.	15-18-in.	5-6	6.00	50.00
			Each	Doz.
5-in.	18-20-in.	5-6	\$0.75	\$ 9.00
6-in.	20-22-in.	6-7	1.00	12.00
6-in.	22-24-in.	6-7	1.50	18.00
7-in.	36-40-in.	6-7	4.50	
8-in.	40-45-in.	7-8	5.50	
9-in.	48-50-in.	7-8	8.00	
9-in.	50-54-in.	7-8	10.00	

ARECA LUTESCENS.

3-in., 3 plants in a pot, \$2.00 per doz.; \$15.00 per 100.
4-in., 3 plants in a pot, \$3.00 per doz.; \$25.00 per 100.
7-in., 4-5 plants in a pot, 36-in. high, \$3.00 each.
8-in., 5-6 plants in a pot, 60-64-in. high, \$5.00 each.
Cocos Weddelliana, 2 in., \$1.75 per doz.; \$14.00 per 100; 3-in., \$2.50 per doz.; \$20.00 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs.	\$3 per 100; \$25 per 1,000
4-in.	\$3 per doz.; \$20 per 100
5-in.	\$5 per doz.; \$40 per 100
6-in.	\$6 per doz.;

PHOENIX CANARIENSIS.

	High	Each
7-in.	36-40-in.	\$2.50
8-in.	46-50-in.	4.00
10-in.	50-54-in.	8.00
10-in.	60-64-in.	10.00

KENTIA FOSTERIANA.

Pot	High	Leaves	Doz.	100
2-in.	8-10-in.	4	\$1.50	\$12.00
3-in.	12-14-in.	4-5	2.00	15.00
4-in.	14-16-in.	4-5	4.50	35.00
			Each	Doz.
5-in.	20-24-in.	4-6	\$0.75	\$ 9.00
6-in.	24-30-in.	5-6	1.00	12.00
6-in.	30-36-in.	5-6	1.50	
7-in.	36-38-in.	5-6	2.50	
7-in.	38-40-in.	5-6	3.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	48-50-in.	6-7	7.00	

MADE UP.

Pot	High	In a Pot	Each
7-in.	24-30-in.	3-4	\$ 2.50
9-in.	50-54-in.	3-5	5.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

PHOENIX RECLINATA.

4-in.	25c each; \$3 doz.; \$20 per 100
5-in.	50c each; \$5 doz.;
6-in.	75c each; \$9 doz.;

PHOENIX ROEBELENI.

2 1/2-in.	\$2.00 per doz.; \$15.00 per 100
3-in.	\$3.00 per doz.; \$22.50 per 100
5-in.	\$9.00 per doz.; \$70.00 per 100
6-in.	\$12.00 per doz.;
6-in., strong	\$2.00 each
7-in., strong	2.50 each

Largest and Best Stock in the West.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President;
Marshall H. Duryea, New York, First Vice-
President; Edgar Gregpry, Marblehead,
Mass., Second Vice-President; C. E. Ken-
del, Cleveland, O., Secretary and Treasurer.
Next annual convention at Chicago, June,
1912.

THORBURN'S annual seed catalogue is in its 110th year.

The canners' convention will be held February 5-11 in Rochester, N. Y.

It is said that the demand for tuberoses is on the decline in France but that gladioli are increasing in popularity.

CHICAGO.—Prices on the Board of Trade, January 24, for grass seed were noted as follows: Timothy, \$13.50 to \$15.25 per 100 pounds.

W. ATLEE BURPEE & Co. have issued an appendix to "Sweet Peas Up-to-Date," bringing the list of varieties of sweet peas up to the present time.

THE situation on early northern grown field corn is very bad and one prominent northwestern grower reports sales already at \$4 per bushel. Low germination is the cause of the shortage.

VISITING CHICAGO: J. S. Michael, representing the Sioux City Seed & Nursery Co., Sioux City, Ia., returning from the east. Mr. Michael reports the seed business firm in all leading eastern cities.

THE eastern early seed potato market is in much stronger position apparently than the western. There is, however, a tremendous demand coming from the farmers this year who sold their early stock at high prices last summer.

THE onion set demand has picked up quite a little during the past few days and we shall soon know now what to look for this spring. Around Chicago there are a great many less sets in growers' or independent hands than last year. What the large jobbers have is where the guesswork comes in.

LOECHNER & Co., New York, received their first importation of seed grain by the S. S. Luciana from Sweden this week. Farmers are looking for better quality in oats, barley and wheat, and it is certain the demand for imported stocks will increase in proportion to their superiority over the domestic product.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

It is surprising how many grocers, feed stores, and even florists, use the low price grass seed mixtures. As one large handler of this class of goods says: "There is no longer any money in selling high class lawn grass seed."

New Zealand Pea Crops.

F. Cooper, Ltd., the well known New Zealand seed growers, write as follows December 1, 1911: "We have just made a first inspection of our growing crops of peas for this season. The winter and early spring were very rainy and some of our crops suffered through flood and subsequent wet condition of the soil. At present they are looking well, and although too early to give definite percentage of deliveries expected, we have every reason to be satisfied with the crop outlook. We have rather a larger area than usual planted (about 2,000 acres) and should we obtain a good crop it may help to relieve the extreme shortage in the northern hemisphere."

European Seed Crops.

A representative of one of the European houses reports that seed crops have been shorter in Europe than on this side of the water and that he has never known the price of seed, especially of vegetable seed, to be as high as it is now. Beet, mangel, celery and lettuce seed is especially scarce. Sugar beet seed is 400 per cent higher than he has ever known it before. One of the larger growers who usually sells 2,000 to 3,000 tons of this seed annually will have only 100 to 200 tons this year. A celery grower near Fountainbleau, who had a contract to supply nearly six tons of Self-Blanching, is unable to deliver more than 100 pounds and so on down the line. On account of the long, hot, dry summer the plantings (chiefly vegetable seeds) usually made in August had to be postponed until the end of October. Up to this time, however, there has been no frost in Paris, and only one very light frost outside of the city, so that it is thought these crops at present are pretty much out of danger from that source and ought to give the usual yield next season.

Asked why he did not import from America to cover shortages, he said the longer growing season in France and the different demands of the French consumer made the use of American seed rather impractical. He had tried it and mentioned Flat Yellow Danvers onion as an example, adding that the experiment had not been

satisfactory to date. He had made a trip to England a few weeks previous, was through Germany, and reports crops as poor as in France so that importation from those countries will not help out much if any.

Catalogues Received.

W. Atlee Burpee & Co., Philadelphia, Pa., wholesale lists of seeds for seedsmen and market gardeners, florists, and farmers' bulbs; J. M. Thorburn & Co., New York, trade list and seeds; Storrs & Harrison Co., Painesville, O., seeds and nursery stock; J. Bolgiano & Son, Baltimore, Md., seeds; E. H. Hunt, Chicago, materials for store and greenhouse; Henry F. Michell Co., Philadelphia, Pa., wholesale and general lists of seeds; Conard & Jones Co., West Grove, Pa., roses; The E. G. Hill Co., Richmond, Ind., roses, carnations, chrysanthemums, etc.; Peter Henderson & Co., New York, seeds, plants and supplies; Wm. Henry Maule, Philadelphia, Pa., seeds supplies, etc.; Joseph Breck & Sons, Boston, Mass., seeds, plants and supplies; W. E. Marshall & Co., New York, seeds, bulbs and supplies; Pomona Nurseries, Palmyra, N. J., nursery stock; Wood, Stubbs & Co., Louisville, Ky., seeds; Woodlawn Nurseries, Rochester, N. Y., nursery stock; Van Antwerp's Seed Store, Mobile, Ala., seeds and supplies; Henry Lake Sons Co., Black River Falls, Wis., fruit and ornamental trees for northern planting; Geo. L. Stillman, Westerly, R. I., dahlias; Old Colony Nursery, Plymouth, Mass., trade list of nursery stock; California Nursery Co., Niles, Calif., nursery stock; Deposit Seed Co., Deposit, N. Y., seeds; W. W. Thomas, Anna, Ill., strawberry plants; A. M. Ferguson & Co., Sherman, Texas, field seeds.

Henry Mette, Quedlinburg, Germany, trade list of seeds; W. W. Johnson & Son, Boston, England, trade list of seeds; Spruijt & Co., Utrecht, Holland, seeds; Van Zanten Bros., Hillegom, Holland, bulbs; H. Cannell & Sons, Swanley, Kent, Eng., seeds; Dobbie & Co., Edinburg, Scotland, seeds, plants and supplies; Vilmorin-Andrieux & Co., Paris, France, seeds, novelties and supplies; DeGraff Bros., Ltd., Leiden, Holland, wholesale list of bulbs and plants; Friedr. C. Pomrencke, Altona, Hamburg, Germany, seeds; Carl Beck & Co., Quedlinburg, Germany, seeds; Koolbergen & Sliedrecht, Boskop, Holland, wholesale list of nursery stock; K. Velthuys, Hillegom, Holland, wholesale trade list of bulbs and plants.

Established 1810.

Denaiiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

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Growers of
High Grade
SEED

Hollister,
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Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.



A REQUEST

To The Seed Trade of America and Canada.

If buyers of any kinds of seeds from this side will send us a line saying which articles they are particularly interested in at the moment, whether for present or contract delivery, prices will be sent per return mail. **High Class Seeds Only,**

KELWAY & SON, Wholesale Seed Growers and Exporters. **LANGPORT, ENGLAND**

FANCY RECLEANED HAND PICKED

Onion Sets

Prime Recleaned Yellow Sets, \$1.35 bu.
 Choice Recleaned Yellow Sets, \$1.50 bu.
 Fancy Seived through 3/4 inch mesh, \$1.75 bu.
 Prime Recleaned Silver Skin, \$1.50 bu.
 Choice Recleaned Silver Skin, \$1.75 bu.
 Fancy Seived through 3/4 inch mesh, \$2.00 bu.

We reclean and hand pick all Sets before shipping. A trial order will convince you of the superior quality of our Sets.

J. Bolgiano & Son

Almost 100 Years' Established Trade
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Surplus Stock

of Seeds, Crop 1911.

- Turnips**—Dales Hybrid, Grey Stone, Danish Yellow Tankard, Fynsk Bortfelder.
- Rutabaga**—Pajbjerg Bangholm, Shepherd Golden Globe.
- Mangel Wurzel**—Sludstrup Barres, Taaroje Barres, Eckendorfer Red Tankard, Elvetham Mammoth.
- Cauliflower and Cabbage Seed.**

Descriptive list and prices on application,
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 Sole Agents for the U. S. and Canada.

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Selecting and Seeding Rocky Ford Cantaloupe

Grown Under Irrigation by

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ASPARAGUS Plumosus Nanus

NEW CROP.

Greenhouse Grown.

Per 100, 50c; per 1000, \$4.00.

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Wholesale Price List for Florists and Market Gardeners.

SEED TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples of

SEED TRADE REPORTING BUREAU,
 Telegraph Building. CHICAGO

Lily of the Valley

Cold Storage. New Stock.

2,000, 1000 or 500 in a case. Per 1000

London Market Pips.....\$15.00

Medium Grade Pips..... 13.00

Spiraea

Per 100

Queen Alexandra (pink).....\$11.00

Gloxinias

Per 1000

Separate colors.....\$30.00

Mixed..... 28.00

Begonias, (1st Size)

Single, separate colors.....\$22.50

mixed..... 20.00

Double, separate colors..... 35.00

mixed..... 30.00

L. Giganteum,

(Cold storage) 250 or 300 in a case, 7 to 9.....\$65.00

Book for Florists Ready.

Vaughan's Seed Store,
 CHICAGO NEW YORK

Asparagus Plumosus Plants

2 1/2-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
 1215 Betz Building, PHILADELPHIA, PA.



MRS. FRANCIS KING.

GLADIOLUS

Mrs. Francis King

Per 1000
 First Size, 1 1-2-inch and up.....\$20.00
 Medium Bulbs, all blooming size..... 17.00

America, Augusta, May

and Other Leading Kinds.

Splendid Strong Bulbs in Quantity
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NEW YORK. CHICAGO.

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Water Melon and Musk Melon Seeds

Get them from
J. FRANK CORRY,
 Contract Grower, ENID, OKLAHOMA.
 Complete Delivery by Oct. 15, 1912.

John Bodger & Sons Co.

Los Angeles, California
 Wholesale growers of Sweet Peas,
 Tomatoes, Lima Beans, Lettuce, Asters,
 Cosmos and other Flower Seeds.

Cynosurus Cristatus

(Crested Dogstail)

Purity and Germination Guaranteed.
WM. POWER & CO.
 Seed Exporters, Waterford, Ireland
 Cables: "Seedmerchaanta," Code A B C, 5th edition

CHOICE

German Flower Seeds

Catalogue free on application.
FREDERICK ROEMER,
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GET QUOTATIONS FROM

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SEEDS which SUCCEED

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CONTRACT SEED GROWERS,
 Bean, Cucumber, Tomato, Pea, Muskmelon.
 Squash, Watermelon, Radish, Sweet Corn.
 Correspondence solicited.

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 Wholesale Seed Grower,
 Specialties: Lettuce, Onion, Sweet Peas, Aster,
 Cosmos, Mignonette, Verbena in variety.
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The best New and Standard varieties.
 Send for Wholesale Price List.
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 Contract Growers of
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 Cucumber, Muskmelon, Squash and Pumpkin,
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 Beans, Peas, Sweet Corn, Onion, Turnip,
 Radish, Beet, Etc.
 Branches: Michigan and Wisconsin. **MILFORD, CONN.**

Lawn Grass Seed

WHOLESALE ONLY.
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Send for 1912 Catalog, and get your Bulbs
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M. J. GULDEMOND,
 Wholesale Bulb Grower and Exporter, Lisse, Holland.

Boddington's Quality Flower Seeds for Florists

Selected Seeds, Successfully Sown, Secure, Sure, Safe and Servicable Satisfaction.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicoanum album.....	\$0.10	\$0.20
Blue Perfection.....	.15	.50
Imperial Dwarf Blue.....	.10	.25
Imperial Dwarf White.....	.10	.25
Little Dorrit.....	.15	.50
Swanley Blue.....	.10	.25
Little Blue Star, trade pkt. 50c, 3 pkts. for \$1.25.		

BODDINGTON'S MAUVE BEAUTY.
Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c. oz. 50c.

ALYSSUM

	Trade pkt.	Oz.	1/4 lb.
White Gem.			
A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. \$1.00.			
Little Gem, dwarf, best for pots.....	\$0.10	\$0.30	\$1.00
Carpet of Snow, for hanging baskets and borders.....	.10	.40	1.25
Sweet (the old variety).....	.10	.15	.50

ASTERS

BODDINGTON'S Asters Are Famous.
Write for catalogue of other varieties and prices.

	Trade pkt.	1/4 oz.	Oz.
Aster Early Wonder, white.....	\$0.25	\$0.75	\$2.00
Aster Early Wonder, pink.....	.25	.75	2.00

QUEEN OF THE MARKET ASTERS.

Boddington's Extra Early.

	Trade pkt.	Oz.
Pink.....	\$0.20	\$0.85
Light Blue.....	.20	.85
White.....	.20	.85
Dark Blue.....	.20	.85
Crimson.....	.20	.85
Rose.....	.20	.85
Flesh-Color.....	.20	.85
Light Rose.....	.20	.85
Scarlet.....	.20	.85
Red-Lilac.....	.20	.85
Finest Mixed.....	.20	.85

BRANCHING ASTERS

Vicks' Branching.

	Trade pkt.	1/4 oz.	Oz.
Crimson.....	\$0.25	\$0.35	\$1.00
White.....	.25	.35	1.00
Purple.....	.25	.35	1.00
Violet.....	.25	.35	1.00
Rose.....	.25	.35	1.00

Carlson's Branching.

	Trade pkt.	1/4 oz.	Oz.
Lavender.....	\$0.25	\$0.35	\$1.00

Sample's Branching.

	Trade pkt.	1/4 oz.	Oz.
Shell-Pink.....	\$0.25	\$0.35	\$1.00
Upright White.....	.25	.35	1.00

Trade pkt. each of the collection of 8 varieties for \$1.75.

Vick's New Early Branching, white.....

	Trade pkt.	1/4 oz.	Oz.
Vick's New Early Branching, white.....	\$0.25	\$0.75	\$2.00
Vick's New Early Branching, pink.....	.25	.75	2.00

BODDINGTON'S GIANT

ANTIRRHINUM

(Height, 3 feet.)

	Trade pkt.	Oz.
Coral-Red, striking color.....	\$0.20	\$0.75
Carmine, splendid color.....	.20	.75
Daybreak, light pink.....	.20	.75
Brilliant, scarlet, golden yellow and white.....	.20	.75
Crescia, dark scarlet.....	.20	.75
Queen Victoria, pure white.....	.25	1.00
Luteum, yellow.....	.20	.75
Firefly, scarlet.....	.20	.75
Romeo, deep rose.....	.20	.75
Lilacinum, beautiful lilac.....	.20	.75
Mixed.....	.20	.50

BEGONIA

	Trade pkt.
Boddington's Crimson Bedder.....	\$0.50
Erfordii, carmine.....	.25

BEGONIA—Continued

Semperforens.....	.25
Vernon grandiflora, 1/4 ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage.....	.25

CINERARIA

Cineraria maritima, 1 1/2 ft. Trade pkt. 10c., oz., 25c.	
Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., \$2.00 per oz.	

CENTAUREA

	Trade pkt.	Oz.
Candidissima.....	\$0.25	\$1.50
Gymnocarpa.....	.15	.50

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak).....	\$0.10	\$0.75

COBAEA

	Trade pkt.	Oz.
Scandens, H. P. Blue.....	\$0.10	\$0.30
Alba, White.....	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis, trailing light blue.....	\$0.15	\$0.50
Erinus speciosa, deep blue; trailing.....	.15	.75
Crystal Palace compacta.....	.25	2.50
Emperor William compacta.....	.25	1.00

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. Trade pkt. 60c., 1/2 oz. \$1.00, per oz. \$7.50.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue.....	\$0.10	\$1.00
Palustris Semperforens, ever-blooming.....	.25	2.00

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. 1/2 trade pkt. 60c., trade pkt. \$1.00.

Boddington's Snowball, Double. The finest double, pure white. 1/2 trade pkt. 60c., trade pkt. \$1.00.

BODDINGTON'S CENTURY PRIZE.

Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. 1/2 trade pkt. 60c., trade pkt. \$1.00.

	Trade pkt.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose.....	\$0.25
Boddington's Ruffled Giants. A grand selection of single fringed Petunias.....	.50
Boddington's Inimitable Dwarf Compact Hybrids, Single.....	.25
Emperor, Single. Large blueboms distinct in form, coloring and marking.....	.50
Howard's Star. Rich crimson, with a distinct white star in center.....	.25
Roy Morn. Soft carmine pink.....	.25
Snowstorm. Pure single white.....	.25
Hybrida, Single Mixed. Oz. 50.....	.15

PYRETHRUM

	Trade pkt.	Oz.
Aureum (Golden Feather).....	\$0.10	\$0.25
Sslaginoides. Foliage fine serrated.....	.15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish.) Small-leaved. 1/2 trade 25c.....	\$0.40	\$1.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1 1/2 feet.....	\$0.25	\$2.00
Splendens (Scarlet Sage).....	.25	1.50
Splendens. Ball of Fire. Very dwarf and early.....	.25	3.50
Splendens acubaeifolia (Silver-spot).....	.25	2.50
Splendens Carminea (new). Splendid rose carmine dwarf.....	.50	
Splendens gigantea.....	.50	
Splendens pendula. Drooping spikes.....	.25	2.00
Splendens, Zurich, 1/4 oz.....	\$1.75	.25 6.00

STOCKS

Boddington's Quality Large-Flowering German Ten-Weeks Stocks.

	Trade pkt.
Brilliant Rose.....	\$0.25
Canary-Yellow.....	.25
Crimson.....	.25
Dark Blood-Red.....	.25
" Violet-Blue.....	.25
" Purple.....	.25
Flesh Color.....	.25
Light Blue.....	.25
Scarlet.....	.25
Snow-White.....	.25
Fine Mixed.....	.25

Boddington's Quality Cut-and-Come-Again. These splendid Stocks will flower continuously through the summer if sown early.

	Trade pkt.
Princess Alice, white.....	\$0.25
Apple Blossom, light pink.....	.25
Peach Blossom, soft pink.....	.25
Chamoise.....	.25
Bridesmaid, rose.....	.25
Canary, yellow.....	.25
Flamingo, blood-red.....	.25
Blue Jay, light blue.....	.25
Violet, dark blue.....	.25
Carminea, crimson.....	.25

GIANT PERFECTION

White. Pyramidal long spikes of large double flowers, splendid for glass culture and for florists' purposes. Trade pkt. 25c., 1/4 oz. \$1.25, 1/2 oz. \$2.00, oz. \$3.75.

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed.....	\$0.25	\$1.25
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye.....	.25	1.25
Boddington's Mammoth Blue.....	.25	1.25
Boddington's Mammoth Pink.....	.25	1.25
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort.....	.25	1.25
Boddington's White (Candidissima). Pure white.....	.25	1.25
Boddington's Striped. Many colors.....	.25	1.25
Lemon (Aloysia citrodora).....	.25	1.50

VINCA

	Trade pkt.	Oz.
Alba, white.....	\$0.15	\$0.50
Rosa, rose.....	.15	.50
Rosa alba, rose and white.....	.15	.50
Mixed.....	.10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (is now ready) contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street, NEW YORK CITY.

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns. Mention the American Florist when writing

Onion Seed==Onion Sets

We Are Extensive Growers and Dealers.

Write for prices on the 1911 crop. We are also submitting contract figures for the 1912 crop of Onion Seed.

SCHILDER BROS., Chillicothe, O.

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Mention the American Florist when writing

Boston.

TRADE QUIET.

Trade in general is quiet, but the wholesalers are doing a good shipping business. Roses are having the call. Carnations are still low in price, and dark red does not seem to be much wanted. There is considerable bulbous stock in the market, but the call is light.

FLORIST CLUB MEETING.

The Gardeners' and Florists' Club held their regular meeting Tuesday evening, it being the installation of officers and ladies' night. The following officers were installed into their respective offices: Thomas Pegler, president; W. J. Kennedy, vice-president; W. N. Craig, secretary; Peter Fisher, treasurer; Peter M. Miller, William Sim, William C. Patterson, Herman H. Bartsch, executive committee.

The elected officers all made speeches accepting the honor. President Pegler's maiden speech was well delivered and received with applause. The entertainment consisted of selections by the Emanuel church quartette and also solos rendered by the individual members. Mr. Williams, the tenor, and Mrs. McKeon being in fine voice. The singing of the latter has always been a feature of ladies' night. The Irving sisters, dressed in Highland costume, danced Scotch dances. A collation was served which was participated in by all. There were 400 present and all enjoyed themselves.

NOTES.

H. M. Robinson & Co. will open a branch store on West Twenty-sixth street, New York, and one of their Boston men will go on to take charge. They will carry a full line of flowers and florists' supplies. H. M. Robinson goes to New York with his ever present smile to open the store Tuesday, January 23.

The delegates to the show in Detroit all sound praises of the Detroit Florists' Club and Philip Breitmeyer. Nothing was left undone to give the visitors every comfort, and Detroit will be remembered for some time to come.

MAC.

BOSTON, MASS.—Articles of incorporation have been granted the New England Nurseries of Bedford, with a capital stock of \$40,000. The incorporators are John Kirkegaard, John E. Gilcreast and B. Edward Estes.

Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seed Growers for the Wholesale Trade
Cauliflower, Cabbage and Root Seed.

NOVELTY
Copenhagen
Market

Earliest large,
round headed
Cabbage.
Very Solid.



Contract
Now
for 1912
Crop.

Copenhagen Market. Galvano Free.

Prices and Descriptive list free on Application.

Loechner & Co, 11 Warren St., New York, Sole agent for the U. S. and Canada.

SHORT CROP SEEDS

We have Beet, Carrot, Parsley, Parsnip, Leek and French-Grown Radish, in all varieties, to offer the Trade. Also, French-Grown Paris Golden Self-Blanching, White Plume and Giant Pascal Celery.

Write Us For Prices.

I. N. SIMON AND SON,

6 No. Front Street, Philadelphia, Pa.

NEW POMPOM CHRYSANTHEMUM

FAIRY QUEEN

A delightful deep Enchantress color, of medium size, round and full, elegant foliage, and a good keeper.

AWARDED NATIONAL CHRYSANTHEMUM SOCIETY'S CERTIFICATE NOVEMBER 2, 1911.

Young plants from pots ready March 15.
\$2.50 per doz., \$15.00 per 100.

HARTJE & ELDER, R. R. 29, INDIANAPOLIS, IND.

Carnation

Growers

RAINBOW
A
GLORIFIED PROSPERITY

WANOKA GREENHOUSES,

Wins first prize in the overlaid or Prosperity class at the annual convention, Detroit this month. Send your order now for February delivery. Our January cuttings are all sold. Remember—Our cuttings are guaranteed. We can deliver half a million.

\$12.00 per 100; \$100 per 1000

Liberal discount on large orders. 250 at 1000 rate. Cash or good reference.

Barneveld, N. Y.



Express prepaid on rooted cuttings. The finest ever. Satisfaction guaranteed to all parts of the United States.

Verbena, the very best named varieties. 70c a 100; \$6.00 a 1000.

Fuchsias, best named varieties. \$1.00 per 100; \$9.00 per 1000. **Feverfew**. Little Gem. \$1.25 per 100; \$10.00 per 1000. **Coleus**, all the finest select

named varieties. 70c per 100; \$6.00 per 1000. **Alternanthera**, red and yellow, very strong. 60c per 100; \$5.00 per 1000. **Ageratum**, Little Blue Star, Stella Gurney and Imperial White, 6c per 100; \$5.00 per 1000. **Sweet Alyssum**, 80c per 100; \$6.00 per 1000, our very best Double Giant. **Daisy**, White California, \$1.00 per 100; \$8.00 per 1000. **32,000 Vincas**, rooted cuttings, \$1.00 per 100; \$8.00 per 1000.

C. HUMFELD,

CLAY CENTER, KANSAS.
Mention the American Florist when writing

Henry Fish Seed Co.
Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.
Mention the American Florist when writing

ROUTZAHN SEED CO.
Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS
Mention the American Florist when writing

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey
Correspondence Solicited.
Mention the American Florist when writing

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.
Growers for the Wholesale Trade Only,
SANTA ANA, CALIFORNIA.
Mention the American Florist when writing

The Ebbert Seed Company
ROCKY FORD, COLO.

Contract Growers for the Trade. High-grade Vine Seeds. **Specialties:** Rocky Ford Cantaloupe, Muskmelon and Cucumber Seed.

Place Your Orders Early.

Mention the American Florist when writing

The Trade Directory

Florists, Seedsmen and Nurserymen of the United States and Canada.

Price: \$3.00, postpaid.

American Florist Co.
440 S. Dearborn St., CHICAGO.

Sow Vaughan's Seeds



PRIMULA OBCONICA GIGANTEA.

Our P. Obconica seed is from the finest collection in Germany. The strain is unsurpassed in color and size of flower. There is none better.

Obconica Grandiflora, mixed.....1-64 oz.,	\$1.00;	1000 seeds,	\$.50
“ “ Bright Rose.....1-64 oz.,	1.00;	1000 seeds,	.50
“ “ Kermesina.....1-64 oz.,	1.00;	1000 seeds,	.50
“ “ white.....1-64 oz.,	1.00;	1000 seeds,	.50
“ “ Fire Queen, new		500 seeds,	.50
“ “ Coerulea, new		600 seeds,	.50
“ “ Gigantea Rosea, new		600 seeds,	.50
“ “ Kermesina, new crimson		600 seeds,	.50

MALACOIDES—An Improved Forbesi (Baby) Primrose—The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. The plants will flower in four months from sowing, and will continue in flower from four to six months..... Trade Pkt., **50c.**

ASPARAGUS PLUMOSUS NANUS.

Northern Greenhouse Grown, new seed now ready, 1000 seeds, **\$4.00;** 5000 to 10,000 seeds at **\$3.75** per 1000.

Book for Florists ready. Write—You need it.

VAUGHAN'S SEED STORE,

25 Barclay Street,
NEW YORK

31-33 West Randolph St., 803 West Randolph St.,
CHICAGO

Gregory's Honest Seeds.

Vickery's Forcing Cucumber. The finest strain of hot-house cucumber ever introduced. Mass. growers prefer this to all others. Nothing but typical specimens are selected for seed. Every seed grown on our own farm and you can depend upon its being absolutely pure. Wright Brothers, Toledo, Ohio, write "We know the Vickery Cucumber is fine as we have grown it for three years in our greenhouses. Price per 1/4 Lb., **\$1.30;** per Lb., **\$5.10** postpaid.

Some of Our Choice Goods all Grown on Our Own Farms:

Gregory's Improved Prolific Marrow Squash. Gregory's Warren Turban Squash. Gregory's Victor Squash. Gregory's Warded Hubbard Squash. Gregory's Improved Original Crosby Corn, superior in quality, nothing equal to it for canning purposes. Quincy Market Corn, a second early, recommended as being the best to follow the extra earliest.

Our catalogue will be mailed free. It tells all about the above varieties. Special Prices Given for large quantities.

James J. H. Gregory & Son,

Seed Growers,

P. O. Box A. MARBLEHEAD, MASS.

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

STURGEON BAY, WIS.—The Evergreen Nursery Company is issuing their spring trade list and making preparations for what promises to be a good season. This firm is one of the oldest in the state and is successfully managed by G. K. Pinney, who has been identified with the firm since it was established in 1864.

Prices of Indoor Fruits and Vegetables.

Chicago, January 16.—Asparagus, \$2.50 to \$3 per dozen bunches; cucumbers, \$1 to \$1.60 per dozen; radishes, 50 cents per dozen bunches; lettuce, 20 cents to 25 cents per pound; rhubarb, 15 cents to 35 cents per bunch.

New York, January 20.—Mushrooms, 75 cents to \$2 per 4-pound basket; cucumbers, 75 cents to \$4 per dozen; tomatoes, eight cents to 22 cents per pound; radishes, \$2.50 to \$4 per 100 bunches; lettuce, \$2 to \$3.25 per strap; rhubarb, 30 cents to 50 cents per large bunch and 75 cents to \$1 per dozen small bunches.

New York Vegetable Growers' Association.

The second annual meeting of the New York State Vegetable Growers' Association will be held at the New York State College of Agriculture, Ithaca, N. Y., February 20-22. The subjects to be discussed include greenhouse crops, plant breeding for the vegetable grower, good seed development of muck lands and also a number of individual crops, as asparagus, celery and cauliflower. The speakers include Prof. R. L. Watts, State College, Pa.; Dr. H. J. Webber, Ithaca, N. Y.; C. W. Waid, New Carlisle, O.; R. H. Garrahan, Wilkesbarre, Pa. A programme may be obtained by application to Paul Work, secretary, Ithaca, N. Y.

Seed Testing.

It is a fact that the average American gardener does very little seed testing, depending upon his seedsman to do that. We must admit that while we have done quite a little seed testing in some twenty years, we have in all this time run across only one lot of seed which would not grow satisfactorily. The one in question was a half pound of cabbage from one of our leading seedsmen and when they were informed of the matter a fierce debate resulted. The matter finally ended by the seedsman offering to present us another one-half pound of seed, not replacing the other, as they could not acknowledge sending out worthless seed. So from our own experience it would hardly be worth while to test seed. However, when we consider that in ordinary cases, every superfluous seed planted is a weed, and has to be removed at expense, and next, that the first cost of such excessive seeding may be considerably more so this year when all seeds are higher than ever, then it

appears well worth while to try each and every lot so we may know beforehand the exact vitality. This appears of further importance this season, as many seed last summer ripened prematurely, hence are weak and may even decline in vitality before being planted.

We like to divide our tests into several classes. We have learned from long experience that heat-loving subjects do not respond in low temperatures and vice versa, that cool subjects are so subject to fungus attacks if placed in warm quarters as to often render such tests worse than useless. This is readily understood when we consider under what conditions our seeds are expected to grow in the field. Therefore we test the following at a low temperature: Celery, parsnip, oyster plant, beet, carrot, lettuce, radish, spinach, onion, asparagus, parsley, cabbage, cauliflower, from 50° to 60°. In heat we place corn, beans, melons, cucumbers, squash, tomato, egg plants, peppers, from 70° to 75°. These are again sorted into slow and fast subjects, so as not to disturb the remaining ones. Thus the cool subjects should germinate in about this order: Lettuce, cabbage, cauliflower, radish, beet, salsify, onion, spinach, carrot, parsnip, celery, asparagus.

The common method is to count out 100 seeds of each lot and plant in soil or sand. We prefer the sand in winter and the soil in warmer weather. Great care must be used not to cover heavily as many seeds are lost by such treatment. Last year we discovered that some of our common incubators leave nothing to be desired as seed testing devices; we believe the widely distributed Prairie State machine par excellence for this purpose. Their sand-tray will hold all ordinary tests and the temperature, moisture and ventilation are under absolute control at a minimum of labor. A test to be of value must be accurate. We cannot permit a violent change of temperature or moisture to mislead us.

MARKETMAN.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the
Subject.

170 Pages. 29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.

440 S. Dearborn St., CHICAGO.

The Irish Potato Crop.

The potato crop in Ireland for 1911 is estimated at 3,694,856 long tons, or 137,941,290 bushels, an increase of 30,730,336 bushels over the previous year, states Consul G. E. Chamberlin of Cork. The acreage of the crop was 591,259, as against 592,985 in 1910. The largest results were obtained in the north and west of Ireland, where the ordinary yield was about 280 bushels to the acre. The average for the whole of Ireland for the 10-year period 1901 to 1910 was 174.46 bushels, so that the yield for 1911 was more than 30 per cent above the normal crop.



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

Pure Culture Mushroom Spawn

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

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

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Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

Special to the Trade

We make a specialty of growing all kinds of Vegetable Plants for the Seed and Plant Trade, including the best varieties of Forcing Tomatoes, Asparagus, Cauliflower, Egg Plants, Peppers, Parsley, Lettuce, Cabbage, etc. Special prices made on large orders for Spring delivery. Let us know your wants.

We have a fine lot of Tomato Plants, transplanted and potted: Comet Lorillard, Bonny Best, Suttons' Al, Suttons' Abundance and Winter Beauty; also Extra Early Erturt and Snowball Cauliflower.

Cash required with orders from unknown correspondents.

Fox-Hall Farm, R. F. D. Norfolk, Va.

Mention the American Florist when writing

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxiolas, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

NEW WHITE FORCING HYDRANGEA

Mme. Emile Mouillere

Of the many new Hydrangeas recently received this is undoubtedly one of the most promising as a commercial sort, we believe it to be one of the coming market plants. The individual flowers as well as the heads are very large, pure white in color and very freely produced. We offer good 3 inch pots, \$3.00 per doz.; \$25.00 per 100.



HYDRANGEA MME. EMILE MOUILLERE.

Hardy Azalea Mollis

Becoming more popular as a forcing plant every season, a nice lot of well budded plants 10 to 12 inches high, \$4.50 per doz.; \$35.00 per 100.

Lilacs Marie Legraye

A fine lot of well budded pot-grown stock, \$6.00 per doz-; \$50.00 per 100.

HENRY A. DREER, ⁷¹⁴ Chestnut St., **Philadelphia, Pa.**

Above Prices Are For The Trade Only.

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A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Baal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

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—We Have All Kinds of—

BLOOMING PLANTS

For the storeman. A fine lot of Azaleas, Hydrangeas, Roses, white and Red Rambler Rosas, Crimson Ramblers, Pink Dorothy, Climbing Bsy Ramblers, etc.

For Easter write us your wants.

Don't forget we are headquarters for Ferns.

GEO. A. KUHL, Wholesale Grower, Pekin, Ill.

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LADY HILLINGDON

Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place your order now for early delivery.

YOUNG STOCK. PRICES:

Grafted.....\$25.00 per 100; \$200 00 per 1000
Own Root..... 20.00 per 100; 150.00 per 1000

WABAN ROSE CONSERVATORIES
Natick, Mass.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE.

PA.

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WANTED

Geraniums Barlolege and Able Le France, either rooted cuttings or 2½ inch stock. Quote on any quantity that you are able to supply.

IOWA SEED COMPANY, Des Moines, Iowa.

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CHRYSANTHEMUMS....

2-in. pots.

Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, at \$7.00 per 100.

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25 Monroe Street

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The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., 1912.

Effect of Drought Upon Conifers.

The unprecedented drought and heat of the past summer in Europe has brought to light some curious facts in regard to comparative resistance of varieties and surprises and disappointments are of course the result. A singular fact is that our Douglas Spruce almost invariably perished in dry localities, says a writer in the Revue Horticole, while the blue spruce forms, Colorado, glauca or Kosteri, were unharmed; in fact, all so-called "blue" conifers acquitted themselves well, giving rise to the conviction that the coloring matter which gives the foliage its peculiar shade acts as a protecting coat by reflecting the luminous and heat rays. The piceas seem to have suffered most, only the Servian P. Omorica being entirely unaffected; only the abies and pinus of extreme northern origin suffered, generally, although many conifers of Japanese introduction were totally lost, regardless of age and condition.

At Elysian Park, Los Angeles.

The usual notion of a park is a more or less circumscribed area of lawn and trees and shrubs, with seats for the weary, "keep off the grass" signs and other impedimenta. But Elysian park, near Los Angeles, is different. There is a dressed part of it with greenhouses, lawns and flowers, but its great charm is its wild, mountainous heights, its deep, cool canyons and magnificent scenic drives. From an elevation in the northeastern portion of the "park" there is probably the most beautiful view in all of beautiful Southern California. The great San Fernando valley lies directly in front. Back of it are the foothills and in the distance the far famed Mt. Lowe and Mt. Wilson. Away to the east is "Old Baldy," covered with snow the greater part of the year, while westward are the foothills flanking the great Pacific slopes. We saw this at sunset, such a gorgeous, indescribable glow that must be seen to be appreciated—the kind that makes men—and women—silent.

And in the planting and work generally that is going on in Elysian park this scenic feature is kept in mind. No attempt at ridiculous winding walks and "gardens" is being made. A whole mountain side is taken in hand—water is piped to it and it is planted to native trees. These are watered long enough for them to get a hold and then they are left to take care of themselves and hold their own with native vegetation, which they are quite capable of doing. Two sides of a ravine for instance have been planted out to the native fir or pine—Pinus insignis or Monterey pine, the others to yuccas. This is the right method, good for today, better for posterity. As showing how the Monterey pine takes care of itself it is interesting to see, where drives have been cut, the roots of the trees going away down in the crevices of the rock which here is only surfaced

with a few inches of dry sandy soil, almost approaching gravel.

In the more highly cultivated part of the park there is a varied and interesting collection of coniferous and deciduous trees, but as these are cultivated, and in some cases irrigated, they cannot all be recommended as able to look after themselves here. The Italian cypress is fine here, keeping its columnar habit and growing to a great height. Cedrus Deodara and C. Atlantica thrive, but the Cedar of Lebanon does not seem particularly happy. There is a magnificent collection of ficuses here, not small plants but immense trees, while at the southern end of the park there is perhaps the most magnificent avenue of date palms in Southern California. A beautiful shrub, flowering here in winter, is Thevetia nerifolia. It is a native of tropical America and closely allied to the shrubby allamandas but thrives and flowers well here in a sheltered position. The flowers are larger than those of Allamanda nerifolia and deeper in color, a showy and beautiful thing. Tecoma stans makes immense masses 20 feet or more high and as much through covered with the bright yellow flowers. Several forms of the European laburnum also do well here as shown by the numerous seed vassils now hanging. This park is also the nursery for growing stock for all the other city parks and Foreman Lambert has great numbers of all kinds of stock to remove as other places need it. He has a big charge and a lot of work but evidently has it all well in hand. H. R. R.

Helena, Mont.

Although the mercury was twenty below zero it in no way checked the enthusiasm of the happy crowd that gathered at the home of T. E. Mills, the genial manager of the State Nursery Co. of Helena, Mont., December

Hydrangea Otaksa

For Easter and Decoration Day

Six-inch, pot-grown, well established and set with flower buds.

Otaksa, with 5 and 6 branches, at \$20.00 per 100;
 4 branches at \$15.00 per 100.
 Souvenir de Chaire, fine pink, same color as
 Gloire de Lorraine Begonia, same price; also
 7-10 branches latter variety, \$25.00 per 100.

Jackson & Perkins Company,

Wholesale Florists and Nurserymen,
 Newark, Wayne Co., New York.

28, 1911, on the occasion of the annual dinner given by Mr. Mills to the employes of the State Nursery Co. Covers were laid for thirty and full justice was done the bounteous repast provided. After several toasts were given and responded to the rest of the evening was given to song and story. A very amusing feature of the evening's entertainment was the singing of a verse of song into a phonograph by each one present; besides those sung in English, verses were sung in Highland Scotch, Irish, German, Swedish, French, Greek and Japanese. The records thus made will be preserved and from time to time reproduced for the edification of future generations. A flashlight picture of the scene was taken and with three hearty cheers for Mr. and Mrs. Mills a very pleasant evening was brought to a close.
 J. P. R.



Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
 Write for descriptions and prices.

The Wm. H. Moon Co.,
 MORRISVILLE, PA.

LARGE TREES

OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.

For Fall Planting

Lilium Tenuifolium, Hansonii, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.

E. S. MILLER, Wading River N. Y.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:
 Per 100 1000

12 to 15 in., light branched.....	\$1.00	\$ 7.00
15 to 20 in., 3 or more branches.....	1.50	10.00
20 to 30 in., 4 or more branches.....	2.00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25.00
3 to 4 ft., extra heavy, 8 or more branches.....	4.00	30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.
 RUTHERFORD, N. J.

Glorious New Plants from the Chinese Alps.

THERE has been nothing in recent years to surpass our wonderful introductions from China, through our collector, Mr. Forrest. As the introducers of several new species of Primulas, which have taken a remarkably high place in the estimation of experts, we occupy an enviable position.

Growing, as they do, close to the snow line in the mountainous region of Yunnan, China, these Primulas are exceedingly hardy, as well as beautiful; they are altogether unlike our European or American Primulas. The illustration shown gives but a very inadequate representation of the marvellous attraction of these novelties. Most of them have been awarded First-Class Certificates from the Royal Horticultural Society, London.

At the time of writing, another collector, Mr. F. Kingdom Ward, is working the Mekong-Salween divide. The Mekong and Salween rivers run southward from Central China through Burma and Siam, cutting through vast mountain ranges of immense altitude. It is on the slopes of these snow-capped giants that untold riches of the Chinese Flora flourish unseen and almost unsuspected. We are convinced, from the reports of our collectors, that the plants so far brought to light are but a "drop in the well." So trying is the climate, and so risky the intercourse with natives, that only a mere patch of ground has been covered after several years' strenuous work and the expenditure of considerable sums of money.

Besides these Chinese Novelties, you will be interested in our

ROSES and HARDY PLANTS.

We have a most complete and up-to-date collection, and we are

NOTED FOR QUALITY AND LOW PRICES

Price of New Primulas, Etc.		Seed	Plants
		Per Pkt.	Per doz.
Primula <i>Bulleysana</i> , scarlet and orange	\$1.00		\$3.00
" <i>Beesiana</i> , velvet purple	1.00		3.00
" <i>Forrestii</i> , rich gold	1.00		3.00
" <i>Littoni-na</i> , brilliant red and purple	1.00		5.00
" <i>Malacoides</i> , pale rose .....	.50		
<i>Incarvillea brevipes</i> , crimson rose	1.00		

Remittance with order.

References: AMERICAN FLORIST, Carl Purdy, D. M. Andrews, American Bankers, S. M. Bulley, Savannah.

CATALOGUES GRATIS.

Write Us This Very Minute, LEST YOU FORGET!

BEES, Ltd., 179 Mill Street, Liverpool, England



PRIMULA FORRESTII. (Copyright.)

Electros supplied to buyers of seeds or plants at cost price (made in U. S.)

Ferns.

4-inch heavy stock, \$12.00 per 100. Boston, Barrowsi and Elegantissima; also 2 1/4-inch Boston, \$8.50 per 100.

Wagner Park Conservatories, Sidney, Ohio
Mention the American Florist when writing

Ferns for Dishes

2 1/4-in Per 100 Per 1000
\$3.50 \$30.00
Asparagus Plumosus, 2 1/4-inch \$3.50 per 100;
\$30.00 per 1000, 3-in. \$6.00 per 100.
500 at 1000 rate. Cash with order.

FRANK OECHSLIN, CHICAGO
4911 Quincy St.,
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SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.
Prices low. Send for list.

Wood Brothers, FISHKILL, New York.
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Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

CANNAS

Vaughan's Home Grown Extra Select Stock.

Below are a few of our varieties of which which we offer in dry roots while the stock lasts; All carefully trued-up.

	Doz.	100	Doz.	100
Beaute Poitevine.....	\$0.60	\$ 4.00	Long Branch.....	\$0.85 \$ 8.00
Chas. Henderson.....	.60	4.00	Madame Crozy.....	.60 4.00
David Harum.....	.60	4.00	Milwaukee.....	.60 4.00
Dwarf Florence			Multiflora.....	.75 5.00
Vaughan .....	.60	4.00	Prince Wied	2.50 20.00
Egandale.....	.60	4.00	Queen Charlotte.....	.60 4.00
Florence Vaughan.....	.50	3.00	The Express.....	1.00 8.00
King Humbert.....	.75	5.00	Tisza.....	.60 4.00
Leonard Vaughan.....	.60	4.00	Wm. Saunders.....	1.00 8.00

Write for prices on other varieties.

Dahlias

Remember we also grow large quantities of all the popular cut flower sorts and shall be glad to submit prices.

BOOK FOR FLORISTS READY.

Chicago VAUGHAN'S SEED STORE, New York

Greenhouses, Nursery and Trial Grounds at Western Springs Ill.

LUPINES (Annual), White, Pink, Blue and Yellow. These are the best strain of cut flower sorts. Plant now for quick results. Good plants, \$1.00 per 100; \$9.00 per 1000.

Smilax, strong, 2-in. \$1.50 per 100
Double Fringed Petunias, Rooted Cuttings, mixed..... \$1.00 per 100; \$9.00 per 1000

Parsley, Double Curled..... 1.25 per 1000
Pansies (Rawlings' Strain) 2.50 per 1000

Elmer Rawlings, Wholesale Florist, Olean, N. Y.
Mention the American Florist when writing

Cannas In 10 best varieties from \$15.00 per 1000 up. Also 10,000 King Humberts. Write for prices and varieties. Will exchange for R. C. Carnations standard varieties.

W. W. Coles, Kokomo, Ind.

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000		Per 100	Per 1000
Gloriosa.....	\$6 00	\$50 00	White Enchantress	\$3 00	25 00
Norwood	6 00	50 00	Enchantress.....	3 00	25 00
Dorothy Gordon.....	4 00	35 00	Beacon	3.00	25 00
White Perfection	3 50	30 00	Rose Pink Enchantress	2 50	20 00
			Winsor.....	2 50	20 00

J. D. THOMPSON CARNATION CO.,
 Carnation Specialists, JOLIET, ILL.

A FEW GOOD THINGS YOU WANT.

- Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in. \$2.00 per 100.
- Boston Ferns, 5 in. 25c each.
- Whitmani Ferns, 4-in., 25c.
- Dracacna Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in. \$25.00 per 100.
- Vinca Var., 2-in., 2c.
- Asparagus Sprengert, 2-in., \$2.50 per 100.
- Asparagus Plumosa, 2 in., \$3.00 per 100.

Cash with order

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

Nassau County Horticultural Society.

The regular monthly meeting of the Nassau County Horticultural Society was held at Pembroke Hall, Glen Cove, on January 10, President J. F. Johnson in the chair. The Morris Seed Co. offered a prize for cinerarias to be competed for at our March show. Edward S. Smith was elected to active membership and there was one application.

The judges for the monthly competition were Messrs. Everett, Gray and Vert. Their decisions were as follows: Holloway's Special, 25 carnations mixed, Alex. McKenzie, first. Society's prizes, 25 sprays sweet peas, Alex. McKenzie, first. Six spikes snapdragon, Alex. McKenzie, first. One plant cyclamen, Robt. Marshall, first. Rhubarb, H. Gaut, thanks of the Society. Freesia Snowstorm, G. Robinson, cultural certificate. The members present were greatly interested in the freesia exhibit, the variety being new to many, and the flowers were exceedingly well grown.

The committee appointed to make arrangements for the annual dinner reported that it will be held at the Oriental Hotel, Glen Cove, January 25. Messrs. Cliff and Everett were appointed to represent the society at the dinner of the Tarrytown Horticultural Society, January 18. The exhibits for February will be gardenias, mushroom and freesias.

JAMES MACDONALD, Sec'y.

ALBANY, N. Y.—At the recent show of the Port Orange Kennel, Poultry and Pet Stock Association, held in the state armory, Fred A. Danker, president of the Albany Florists' club, was awarded several prizes for his exhibits of White Plymouth Rocks. He received a special prize for best display, special prize for best pen of Plymouth Rocks, any variety, and first and second prizes on pens and single birds.—R. D.

Roses for Forcing The J. & P. Perferred Stock

We consider the deliveries we are now making to be the best plants we have ever grown. We have a few left for late buyers: **Crimson Rambler, White Dorothy, Hiawatha, Veilchenblau, Blue Rambler, Philadelphia Rambler**, at \$15.00 per 100. **Tausendschon**, \$10.00. **Dorothy Perkins**, \$12.00.

Baby Roses. **Crimson Baby Rambler**, \$15.00 per 100; **Pink, Mrs. Cutbush**, \$15.00 per 100; **White, Katherine Zeimeth**, \$15.00 per 100; **Scarlet, Jessie**, \$3 per doz.

The Best Baby Rose for Pot Culture.

The Following Bush Roses at \$15.00 per Hundred:

American Beauty, La France, Killarney, Hermosa, Leonie Lamesch, Hugh Dickson, Kaiserin Grus an Teplitz, Duchess of Albany, Etoile de France, Clothilde Soupert, Maman Cochet Mme. Caroline Testout, Anny Muller, White Cochet, Magna Charta.

All fine forcing grade, the very best plants selected out of immense blocks. **Half-Standards Baby Ramblers**, imported at \$3.00 per doz.

JACKSON & Perkins CO., Rose Growers for the Trade. Wholesale Only.
NEWARK, NEW YORK.

Commercial Chrysanthemums

The Best Novelties for 1912 are:

White Glorla, Pink Gem, White Perfection, Aesthetic, Nontero, Harvard, and the two Pompons, **Helen Newberry and Fairy Queen.**

The Cream of 1911 introductions are:

Smith's Advance, Unaka, Chrysolora, Roman Gold and December Gem.

A large stock of the **Standard Kinds** in the best types for the Commercial Grower. Complete list of **Exhibition Sorts.**

Catalogue now ready. Free on application.

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

Rooted Rose Cuttings

NOW READY

Kaiserin,.....per 100, \$3.50; per 1000, \$25.00
Perle,.....per 100, 3.50; per 1000, 25.00

All Choice Stock, Well Rooted.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., CHICAGO.

Greenhouses, HINSDALE, ILL.

WEBSTER, MASS.—During the storm of December 28 a chimney was blown down on the Converse Greenhouses, of which Ferdinand C. Riebe is proprietor, and caused much damage.

SALEM, MASS.—Willam Slim of Cliftdale was the successful bidder for two of the boilers sold by the municipal light board. They were each of 125 horsepower.

Our Salesman in Form of Our Catalogue Has Been Mailed. Have You Received Yours?

Double White Killarney, Killarney Queen, Sunburst,

Are in **NEW ROSES** the best offerings of the season, and we are in the market to supply the best that is to be had.

In **YELLOW ROSES**, which are in demand, we can supply in quantity:
Lady Hillingdon, Mrs. Aaron Ward, Melody.

In **STANDARD VARIETIES**. Killarney, White Killarney, Richmond, Mrs. Taft (A. Rivoire), Double Pink Killarney, My Maryland, Radiance.

Carnations

Wodenethe, Mrs. C. W. Ward, Beacon, and
Brooklyn, White Perfection, Winsor.
White Winsor, White Enchantress,

Bedding Stock

COLEUS in quantity,

SALVIA, HELIOTROPE.

BEGONIAS Lorraine and Cincinnati.

ASPARAGUS Hatcheri and Plumosus Nanus.

PALMS and FERNS.

The sum and substance of our Catalogue is: **Standard Commercial Stock at Standard Prices.** If you have not already received our catalogue, write for it at once, remembering that **early orders mean better service and earlier deliveries.**

A. N. PIERSON, Inc., Cromwell, Conn.

Chrysanthemums

Strictly Commercial Varieties.

Chadwick Supreme—The best late pink.
Smith's Advance—The earliest white.
Roman Gold—An excellent new yellow.

These, with a select list of standard, commercial, profitable varieties that can be relied upon, are included in our catalogue, with the best list of **Pompons** ever offered. **Best**, because there are no varieties offered that are not paying propositions commercially. Not a long list of names, but something that means profit for the grower.

Geraniums

S. A. Nutt.....per 1000, \$11.50
Ricard and Poitevine.....per 1000, 14.00
March delivery.

Coleus

Verschaffeltii and G. Bedder...per 1000, \$ 6.00
Standard assorted.....per 1000, 5.00
Giant leaved.....per 1000, 10.00
Ready now.

PLUMOSUS

Fine stock.....per 1000, \$25.00

ALBERT M. HERR, Lancaster, Pa.

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.

	Per 100	Per 1000
Pink and White Killarney, 2½-in.....	\$12 00	\$100 00
Richmond, 2½-in.....	12 00	100 00
Sunburst, 2½ in.....	35 00	
Maryland, 2½-in.....	12 00	100 00
Mrs. Aaron Ward, 2½-in. 14 00	14 00	120 00
Melody, 2½-in.....	14 00	120 00
Mrs. Taft or Prince de Bulgaric, 2½-in.....	14 00	120 00

OWN ROOT.

	Per 100	1000
Pink and White Killarney, 2½-in.....	\$6 00	\$55 00
Maryland, 2½-in.....	6 00	55 00
Richmond, 2½-in.....	5 00	40 00
Antoine Rivole, Mrs. Taft, or Prince de Bulgaric, 2½-in.....	8 00	70 00
Radiance, 2½-in.....	8 00	
Melody, 2½-in.....	8 00	70 00
Mrs. Aaron Ward, 2½-in.	8 00	70 00
Lady Hillingdon, 2½-in.....	10 00	
DbI Pink Killarney, 2½-in.	8 00	70 00

ROOTED CUTTINGS.

	Per 100	1000
DbI. Pink Killarney.....	\$6 00	\$50 00
Pink Killarney.....	4 00	35 00
White Killarney.....	4 00	35 00
Mrs. Aaron Ward.....	6 00	

Orders are now booked for April, May, June and July delivery. All goods are sold for cash or 30 days on approved credit.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J

LEEDLE SPRINGFIELD ROSES

2½-in. 4-in.

Shipping — Booking — Growing.

1912! 1912! 1912

VERBENAS!

OUR SELECTION: Per 100 1000
Rooted Cuttings..... \$0 75 6 00
Strong plants, 2¼-in. pots..... 2.50 20.00

PURCHASER'S SELECTION:
Rooted Cuttings..... \$0.90 \$ 8.00
Strong plants, 2¼-in. pots..... 3.00 25.00

NEW VARIETIES: Lady Allen, Columbia
Mrs. Taft, Per 100 1000
Rooted Cuttings \$1.00 \$9.00
Strong plants, 2¼-in. pots..... 4.00

J. L. DILLON, Bloomsburg, Pa.

PRIMULAS, Obconica and Chinese, in bloom, \$5.00 per 100; 2¼-in., ready for 4 in. pots, \$1.50 per 100, \$12.50 per 1000. SPRENGERI, fine 2½ in., \$1.50 per 100, \$12.50 per 1000. CINERARIAS, Dwarf Prize: SNAPDRAGONS; B O U L E A L Y S S U M; HELIOTROPE: fine 2½ in., \$2.00 per 100, 300 for \$5.00; FERNS: Whitman, 4-in., \$10.00 per 100. HARDY IVY, 3 to 4 ft., 4-in., fine, \$8.00 per 100. VINCA, Variegated, 4-in., \$7.00 per 100.

J. C. SCHMIDT, Otter and Maple Sts., BRISTOL PA.

The Early Advertisement Gets There

THE NEW SCARLET COMMERCIAL CARNATION DELHI

Has again made good as a Christmas crop. \$8.00 per 100 was the price of the blooms. January cuttings all sold. Booking orders for early February delivery now. If you want a commercial carnation that will bloom when you want a red for the holidays, get Delhi.

Good strong cuttings, 100, \$10.00; 1000, \$75.00; 5000, \$65.00 per 1000; 10,000, \$60.00 per 1000. 250 at 1000 rate.

WM. MURPHY, 309 Main St., Cincinnati, Ohio
S. S. SKIDELSKY & CO., 1215 Betz Building, Philadelphia, Pa.

ARAUCARIAS

Araucaria Excelsa, 5½, 6 to 7-in. pots, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Araucaria Robusta Compacta and **Glauca**, 6-in. pots, \$1.00, \$1.25 to \$1.50.

Cash with order.

GODFREY ASCHMANN,

WHOLESALE FLORIST,

1012 W. Ontario St., Philadelphia, Pa.
Mention the American Florist when writing

Orchids

We are now taking orders for early delivery of fresh stock in the spring. Placed early insures best results.

Send for Catalogue.

G L. FREEMAN, Wellfleet, Mass.
Mention the American Florist when writing

Denver, Colo.

FLORISTS' CLUB MEETING.

A very interesting meeting of the Colorado Florists' Club was held January 15, at T. M. A. Hall, 1739 Champa Street. The principal feature was an exhibition of carnations, and it was one that would have made a creditable showing at any exhibition. Among the varieties shown were Princess Charming, Bright Spot, Washington, Ruby, President Valentine, Enchantress, White Enchantress, White Perfection, Winsor, Mrs. C. W. Ward, Beacon, and Scarlet Glow.

After refreshments, a three-round bout and several selections on the zither by Fred Wilke, an open discussion on the merits of the different varieties was freely indulged in by many of the members. Good and bad points alike were discussed, making it very interesting. Albert E. Mauff was elected to membership. Applications were received from S. R. Lundy, Claud E. Cartwright and August Cassier. E. P. N.

Rooted Carnation Cuttings

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000		Per 100	Per 1000
Beacon	\$2 50	\$20 00	Enchantress.....	\$2 00	\$17 50
White Enchantress.....	2 50	20 00	White Perfection.....	2 00	17 50
R. P. Enchantress.....	2 00	17 50			

PERLE ROSE CUTTINGS.

Ready about February 10. \$2.00 per 100 \$15.00 per 1000.
Perles 2½-inch. Ready now \$4.00 per 100 \$30.00 per 1000.

PETER REINBERG,

30 East Randolph St.,

CHICAGO

Don't Delay CARNATION BENORA Ordering

NOW for seasonable delivery.

Write for descriptive circular. Cultural directions with each shipment.

\$12.00 per 100; \$100.00 per 1000.

PETER FISHER, Ellis, Mass.

Ready for Orders

OWN ROOT ROSES

Orders taken for following varieties from now to Jan. 20th, for March delivery:

Pink Killarney, White Killarney, Richmond, Perles, Bride and Bridesmaids, 2¼-inch pots.

My Maryland, 2¼-inch pots, ready for shipping middle of February.

Send us your order NOW.

J. L. DILLON,

Bloomsburg, Pa.

DANVILLE, ILL.—A disastrous fire on Sunday morning January 7 destroyed the boiler house and greenhouses of the Danville Floral Co. The head house was entirely consumed, both stacks falling and part of the houses burned. The thermometer, outside registered 16° below zero and as the heating system was ruined the entire plant froze.

ORCHID PEAT

(Osmonda Fibre)

Price Lists and Samples on request.

THE C. W. BROWNELL CO.,
WALDEN, N. Y.

Heacock's Palms and Ferns HOME GROWN. Strong and Well Established.

Our Palm sales have increased over 44% during the year 1911 over their sales during the previous year. We are still strong on the following sizes.

Kentia Belmoreana.			
Pot.	Leaves.	In. high.	Each Doz.
2½-in.	4	8 to 10	\$ 1 50
3-in.	5	12	2 00
5-in.	6 to 7	18	\$0 50
6-in.	6 to 7	24	1 00
Ced'r tub.	L'vs.	In. high.	Each Doz.
7-in.	6 to 7	34 to 36	\$2 50
7-in.	6 to 7	36 to 38	3 00
9-in.	6 to 7	40 to 45	4 00
9-in.	6 to 7	42 to 48	5 00
9-in.	6 to 7	48 to 54	6 00

Cocos Weddelliana.		
Pot.	In. high.	100
2½-in.	8 to 10	\$10 00

Kentia Forsteriana.			
Made Up.			
Cedar tub.	Plants.	10. high.	Each Doz.
7-in.	4	36	\$2 50
7-in.	4	36 to 40	3 00
9-in.	4	40 to 42	4 00
9-in.	4	42 to 48	5 00

Cibotium Schiedel.			
Cedar tub.	Spread	Each	Doz.
9-in.	4 to 5 feet	\$4 00 to	\$5 00
9-in.	5 to 6 feet	6 00	

Areca Lutescens.			
Cedar tub.	Plants in tub.	In. high.	Each
9-in.	Several	5 ft.	\$7 50

Phoenix Roebeleni.		
Pot.	Characterized	Each
5-in.	nice	\$1 00
6-in.	18 to 20-in. spread	1 50

Cedar tub.			
High.	Spread.	Each	Doz.
7-in.	18-in.	24-in.	\$2 00

JOSEPH HEACOCK CO., Wyncote, Pa. Railway Station, Jenkintown.

200,000 CARNATIONS

We are rooting over 200,000 this season. Our stock of Pure White Enchantress and Enchantress is hard to beat. Five per cent off for cash orders received by Feb. 1.

Enchantress	100	1000
Pure White Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Mrs. C. W. Ward	3.50	30.00
Dorothy Gordon	3.50	30.00
White Wonder	6.00	50.00

250 at 1000 rates. Cash or reference.
Smith & Gannett, Geneva, N. Y.
 Mention the American Florist when writing

Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

4-inch	\$15.00 per 100
5-inch	25.00 per 100
6-inch	40.00 per 100

Asparagus Plumosus, 2-inch.....\$2.50 per 100
 —Cash, please.—

THE REESER PLANT COMPANY
 Exclusively Wholesale Plantsmen. **SPRINGFIELD, OHIO**
 Mention the American Florist when writing

Boston Ferns...

2½-in., \$3.00 per 100; \$30.00 per 1000.
WHITMANI
 2½-in., \$5.00 per 100; \$40.00 per 1000.
 250 at 1000 rates.
HENRY H. BARROWS & SON, Whitman, Mass.
 Mention the American Florist when writing

CARNATIONS

ROOTED CUTTINGS.	Per 100	1000
Washington	\$6.00	\$50.00
White Enchantress	3.00	25.00
Enchantress	3.00	25.00
Mrs. C. W. Ward	3.00	25.00

250 at 1000 rate. Des Plaines Floral Co., Des Plaines, Ill.
 Mention the American Florist when writing

CARNATIONS

F. DORNER & SONS CO.
 La Fayette, Indiana.

STOCK ALWAYS NEEDED

Small Ferns, for dishes, Pteris Mayi, Serrulata Cristata Variegata, Wimsetti, Cretica Alba Lineata, \$3.00 per 100, \$25.00 per 1000.
Aspidium Tsussimense and Cyrtomium Falcatum, \$3.50 per 100, \$30.00 per 1000.
Asparagus Plumosus, 2½-in., \$3.00 per 100, \$25.00 per 1000.
Asparagus Sprengeri, 2½-in., \$2.50 per 100, \$22.00 per 1000.
Pandanus Uittis, 3-in., \$10.00 per 100; 4-in., \$20.00 per 100.

Cocos Weddelliana, 2½-in., \$10.00 per 100.
Kentia Belmoreana and Forsteriana—Made-up and single plants, all sizes. Special value in Made-up Forsteriana, 4 plants in 8-in. tubs, 40 to 44 in. high, \$4.00 each; 8-in. tubs, 44 to 48 in. high, \$5.00 each (very bushy).
Genista Racemosa, 6-in. pot plants, \$25 per 100; very heavy 4-in. pot plants at \$15 per 100.
Hydrangea Otaksa, fine pot grown 5-in. pots, 2 to 3 flower shoots, \$20 per 100.

BEDDING STOCK

Heliotrope, Czar, Czarina, Jersey Beauty, etc., \$2.50 per 100; Centifleur (Giant), \$3.50 per 100.
Coleus, Beckwith Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100, \$20 per 1000.
Moonflower (buy now to propagate from), \$3 per 100.
Geraniums, standard market sorts, \$3 per 100, \$25 per 1000.

Flowering Begonias, good assortment, \$3 per 100.
Lantana, 8 fine varieties, \$3 per 100.
Croton Aurea Maculata, 3-in. pot plants, \$8 per 100.
English Ivy, strong 4-in., 3 to 4 ft. of tops, \$12 per 100; 2-in. pots, \$3.50 per 100.
Violets, Hardy English or Russian, 2-in., \$5 per 100, \$45 per 1000.

Forcing Spirea Clumps, Extra Quality

	Per 100	Per 1000
Floribunda	\$ 5.00	\$45.00
Gladstone	10.00	90.00
Superba	6.00	

Queen Alexandra.....\$12.00
 Blondine..... 6.00
 Japonica..... 4.00

No better proposition for Easter or Memorial Day.

THE STORRS & HARRISON CO., Painesville, O.

PALMS, FERNS

AND
Decorative Plants
JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.
 Mention the American Florist when writing

Rooted Cuttings

VERBENAS
 70c. per 100; \$6.00 per 1000. Express paid.
 (Cash with orders. Write.)
S. D. BRANT, Clay Center, Kans.
 Mention the American Florist when writing

Asparagus.....

1000 100
Plumosus, 2½-in. pots...\$18 00 \$2 00

Primroses
 Obconica Gigantea 7¼-in. pots.....\$2 50
 Obconica Alba and Rosea, 2¼-in. pots .. 1 50

Single Grant Geraniums
 2½-inch potsper 100, \$1 50
Alternanthera, rooted cuttings, red and yellow.....per 100, 50c
Canna Chas. Henderson, dry bulbs, 2 and 3 eyes.....per 100, \$2.00

JOS. H. CUNNINGHAM, Delaware, Ohio.
 Mention the American Florist when writing

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Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97, May 17, '98

CALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere. Prompt shipment guaranteed

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266 North 9th St., BROOKLYN, N. Y.

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The Early Advertisement Gets There

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J. Lichtenberger, 1594 Avenue A, NEW YORK Telephone Lenox 5644.



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Quickly, easily and cheaply Mended. No tools required.

Pillsbury Carnation Staple

Patented 1908.

2000 for \$1.00 postpaid.

I. L. PILLSBURY, Galesburg, Ill.

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Is the kind enjoyed by the American Florist. Its actual paid circulation we believe, is the largest in its class. The contents are of real present value and are preserved for future reference. Advertisers who realize this establish permanent business with the best trade in the United States and Canada.

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Over Half a Million in use by Florists, etc. The cost of heating is only TWO CENTS for TWELVE HOURS CONTINUOUS HEAT.

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LEHMAN BROS., MANUFACTURERS, 10 Bond St., NEW YORK.

JAS. W. ERRINGER, General Western Sales Agent, 20 E. Randolph St., CHICAGO.

Ready Reference Section.

10 CENTS PER LINE, NET.



ACHYRANTHES.

Achyranthes, rooted cuttings, P. de Balley, Metallica, Lindenl, Warscewiczil, \$6 per 1,000; 2-in., P. de Balley, \$2.50 per 100; Metallica, Lindenl, Warscewiczil, \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

AGERATUMS.

Ageratum, Stella Gurney, Princess Pauline, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALTERNANTHERAS.

Alternantheras, red and yellow, cuttings, \$6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.
Althernantheras, R. C., red and yellow, 50c per 100. Joa. H. Cunningham, Delaware, O.

ARAUCARIAS.

Aracarias, excelsa, 5½-in., 6 to 7-in., 50c, 80c, 75c, \$1, \$1.25 to \$1.50. Robusta compacta and glauca, 6-in., \$1, \$1.25 to \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.
Araucarias, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Arsucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechsln, 4911 Quincy St., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus baskets, \$1, \$1.50 and \$2 each. Plumosus, 2-in., 40c per doz.; \$3 per 100; 3-in., 75c per doz.; \$6 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 6-in., \$4 per doz.; \$30 per 100. Asparagus S. D., 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus plumosus nanus, from 2¼-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus nanus, 2¼-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechsln, 4911 Quincy St., Chicago.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengerl, 2½-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus plumosus, 2½-in. pots, \$3; 3-in. pots, \$4 per 100. Asparagus Sprengerl, 2-in. pots, \$2; 3-in. pots, \$4 per 100. C. Eisele, 11th and Westmoreland Sta., Philadelphia.

Asparagus Sprengerl, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengerl, 2½-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Pothound 3-in. Sprengerl, can be shifted into 5-in., \$8 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, 2-in., \$2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus plumosus, 2½-in., \$2 per 100; \$18 per 1,000. Joseph H. Cunningham, Delaware, O.

Asparagus Hatcherl and Plumosus nanus. A. N. Pierson, Inc., Cromwell, Conn.

Asparagus plumosus, \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus and Sprengerl plants. W. H. Elliott, Brighton, Mass.

ASPIDISTRAS.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

AZALEAS.

Azalea Mollia, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Hardy Azalea mollis, \$4.50 per doz.; \$35 per 100. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonias, Lorraine and Cincinnati. A. N. Pierson, Inc., Cromwell, Conn.

Begonias, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Rex begonia, assorted, 3-in., \$5 per 100. The Dingee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, bushes, 8 in. high, 25c each; 12 ins., 35c; 18 ins., 50c; 24 ins., \$1. Globe, 18 ins. in diameter, \$2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood, Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinia, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, gloxinia, French Roman hyacintha, forcing gladiolus, spraea, tulips. For prices and varieties, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulba, Lilium Harrisli, 7-9, \$17 per case of 250 bulbs. White hyacintha, 12-15 ctms., \$18 per 1,000. Paper White Grandi, Narcissus, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horsaeshoe Brand Lilium Harrisli. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Bulbs, hyacinths, tulips, narcissus, crocus, spiraea, gladiolus, peonies, etc. Van Zanten Bros., Hillegom, Holland.

Narcissus, Paper White, 13 ctms., \$1 per 100; \$8.50 per 1,000. Scranton Florist Supply Co., 201 N. Seventh Ave., Scranton, Pa.

Bulba of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, begonia and gloxinia. McHutchison & Co., 17 Murray St., New York.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

Bulbs. Surplus of L. Multiflorum, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.
Bulba. M. J. Guldemond, Lisse, Holland.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Chicago, Egandale, Chas. Henderson, \$2.50 per 100; \$20 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Cannas, 10 best vars., from \$15 per 1,000 up; also 10,000 King Humberta. W. W. Colea, Kokomo, Ind.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Cannas, Chas. Henderson, 2 to 3 eyes, \$2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

	Per 100	Per 1000
Victory	2.00	\$15.00
Winsor	2.00	15.00
White Lawson	2.00	15.00
Pink Lawson	2.00	15.00
Washington	6.00	50.00
Enchantress	3.00	25.00

WILETOR BROTHERS, 162 N. Wabash Ave., Chicago.

Carnations, Gloriosa, Norwood, \$6 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Perfection, \$3.50 per 100; \$30 per 1,000. White Enchantress, Enchantress Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000; White Wonder, \$6 per 100; \$50 per 1,000. Smith & Gannett, Geneva, N. Y.

Carnations, Beacon, White Enchantress, \$2.50 per 100; \$20 per 1,000. Rose Pink Enchantress, Enchantress White Perfection, \$2 per 100; \$17.50 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Strong, well rooted carnation cuttings, Winsor and Victoria, \$2 per 100; \$15 per 1,000. White Perfection, \$2.50 per 100; \$20 per 1,000. C. W. Ward, \$3 per 100. Cash or C. O. D. Northwestern Floral Co., Gross Point, Ill.

Carnations, Wodeneth, Brooklyn, White Winsor, Mrs. C. W. Ward, White Perfection, White Enchantress, Beacon and Winsor. A. N. Pierson, Inc., Cromwell, Conn.

Carnations, White Enchantress, Mrs. C. W. Ward, Enchantress, \$3 per 100; \$25 per 1,000. Dea Plaines Floral Co., Dea Plaines, Ill.

Carnations, White Wonder, \$12 per 100. \$100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnation Delhi, \$10 per 100; \$75 per 1,000; 5000, \$65 per 1,000; 10,000, \$60 per 1,000. Wm. Murphy, 309 Main St., Cincinnati, O.

Carnations, leading kinds. Des Plaines Floral Co., Dea Plaines, Ill.

Carnation Benora, \$12 per 100; \$100 per 1,000. Peter Flaheer, Ellis, Mass.

Carnation Rainbow, \$12 per 100; \$100 per 1,000. Wanoka Greenhouse, Barneveld, New York.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, Chadwick Supreme, Smith's Advance, Roman Gold. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemum Fairy Queen, pompon, young plants from pots, \$2.50 per doz.; \$15 per 100. Hartje & Elder, Indianapolis, Ind.

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

Chrysanthemums, leading vara. Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CHRYSANTHEMUMS.

Ready for delivery February 20th.			
Crimson.	R. C. Per 100.	Per 1,000.	
Pocket's Crimson	.....	\$2.50	\$20.00
Intensity	.....	2.00	15.00
White	R. C. Per 100.	Per 1,000.	
Alice Byron	.....	\$2.00	\$15.00
Tousett	.....	2.00	15.00
Virginia Pochlmann	.....	2.00	15.00
October Frust	.....	2.00	15.00
Yellow.	R. C. Per 100.	Per 1,000.	
Crocus	.....	\$4.00	\$35.00
Golden Glow	.....	2.00	15.00
Halliday	.....	2.00	15.00
Maj. Bonaffon	.....	2.00	15.00
Pink.	R. C. Per 100.	Per 1,000.	
Pacific Supreme	.....	\$2.00	\$15.00

J. D. THOMPSON CARNATION CO.,
JOLIET, ILL.

Chrysanthemums, 2-in. pots, Smith's Advance, Unaka, Glen Cove, Mrs. David Sycm, 67 per 100. Elh Cross, Grand Rapids, Mich.

If you are looking for good stock of Mums, Geraniums, Connas, Vincaea, Ferns, etc., write to R. F. Gloede, Evanston, Ill.

CINERARIAS.

Cinerarias, the largest flowering grown, fine 3-in., \$3.50 per 100. J. W. Miller, Shiremans-town, Pa.

CLEMATIS.

Clematis paniculata, strong plants from 4-in. pots, 2-year-old, \$10 per 100; plants from open ground, \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, rooted cuttings, Pfister, Beckwith's Gem, Golden Bedder, Verschaffeltii, \$6 per 1,000; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus, Verschaffeltii and Golden Bedder, \$6 per 1,000. Standard, assorted, \$5; Giant Leaved, \$10. A. M. Herr, Lancaster, Pa.

Coleus, A. N. Pierson, Inc., Cromwell, Conn.

CROTONS.

Coleus, rooted cuttings, Pfister, Beckwith's Gem, Golden Bedder, Verschaffeltii, \$6 per 1,000; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Crotona, Anrea maculata, 3-in., \$8 per 100. Storrs & Harrison Co., Painesville, O.

CYCLAMENS.

Cyclamen persicum giganteum, mixed colors, 4-in., 25c each; 5-in., \$9 per doz.; 6-in., \$12 per doz. In full bloom. Order quick. R. J. Southerton, Highland Park, Ill.

CYPERUS.

Cyperus, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlias, new and standard varieties. Bassett & Weller, Hammonon, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

Dahlia, Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAISES.

Daisies, Giant Paris, from 2½-in. pots, \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Marguerites, giant flowering, 3-in., very bushy, \$5 per 100; Mrs. F. Sanders, 3-in. bushy, \$7 per 100; 2½-in., \$4 per 100. This stock is grown special for our New York Easter trade and is first-class in every respect, just right for transplanting into large pots and pans. Cash with order. A. L. Miller, Jamaica, Ave., opp. Schenck Ave., Brooklyn, N. Y.

Marguerites, yellow, cuttings, \$6 per 1,000; \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DEUTZIAS.

Deutzia gracilla, 20c each; \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracaena indivisa, 2-in., \$3 per 100; \$25 per 1,000; 7-in., \$1.25 each; \$15 per doz. Dracaena Massangeana, \$1.25 each; 7-in., \$1.50 each. Dracaena terminalis, 4-in., 35c each; \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., \$15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracaena indivisa, 3-in. pots, \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Draceae Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emman, Newton, N. J.

FERNS.

Ferna, Boston, 2-in., \$3 per 100; \$25 per 1,000; 3-in., \$1 per doz.; \$8 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$0 per doz.; \$45 per 100; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz.; 10-in., \$2.50 each; 12-in., \$3.50 to \$5 each. Boston fern baskets, \$1, \$1.50 and \$2 each. Assorted ferns for dishes, 2-in., 40c per doz.; \$3 per 100; \$25 per 1,000. Cibotium, 7-in., \$2.50 each; \$30 per doz.; 8-in., \$3 each; \$36 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferna for dishes. Pteris Mayl, Serrulata cristata variegata, Wimssett, Cretica albo lineata, \$3 per 100; \$25 per 1,000. Aspidium tsussumense and Cyrtotium falcatum, \$3.50 per 100; \$4 per 1,000. Storrs & Harrison Co., Painesville, O.

ROOSEVELT FERN is a winner. We offer 2½-in., \$2 per doz.; \$15 per 100; 3-in., \$2.50 per doz.; \$17.50 per 100. P. O. B. her. THE CONARD & JONES CO., West Grove, Pa.

Ferns, Boston. For sizes and prices, see advertisement on front cover. Vaughan's Seed Store, Chicago and New York.

5,000 Boston ferns for 6-in., 25c; strong, healthy stock. Orders hooked now for Boston and Whitman, strong runners for 2 and 3-in., \$20 per 1,000. Cash. A. G. Lake, Wellesley Hills, Mass.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000. Ferns, strong plants, 2-in., \$3 per 100; \$25 per 1,000. Adiantum Farleyense, strong plants, 4-in., \$4 per doz. Cash please. Rober & Radke, Maywood, Ill.

Ferns, Amerphill, Barrowsil, Scotti, Elegantisima, Boston, Jackson, Sword and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2½-in., \$4 per 100. The Dingee & Conard Co., West Grove, Pa.

Ferns, Boston, Whitman, Scholzell, Scotti, 4-in. pots, \$2 per doz.; 5-in. pots, \$3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Ferns, Boston, 2½-in., \$3 per 100; \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 2½-in., \$4 per 100. Also clumps out of bench, \$3 per 100. Croweanum, good size clumps, \$10 per 100. Write for particulars. Fred Hall, Montclair, Colo.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechsln, 4811 Quincy St., Chicago.

Ferns, Boston, 4-in., \$15 per 100; 5-in., \$25 per 100; 6-in., \$40. The Reeser Floral Co., Springfield, O.

Ferne, 4-in., \$12 per 100, Boston, Barrowal, Elegantisima. Also 2½-in. Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emman, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in., Boston, fine stock, \$14 per 100. Wagner Park Conservatories, Sidney, O.

Ferna. Bobbink & Atkins, Rutherford, N. J.

Ferns. A. N. Pierson, Inc., Cromwell, Conn.

FEVERFEW.

Feverfew, large double white, \$1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus elastica, 6-in., 50c each; \$6 per doz; Ficus ripens, 2½-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GENISTAS.

Genetata, 5-in., 25c each; dandy stock, \$25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

ROOTED GERANIUM CUTTINGS.

The "BIG FOUR" Bedders, S. A. Nutt (dark red), Gen. Grant (bright red), Mme. Buchner (dbl. white), Beaute Poitevine (salmon), strictly A. No. 1 stock, \$1.75 per 100; \$16 per 1,000. Prompt delivery and packed secure from frost. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, standard varieties, ivy-leaved and accented, 2-in., \$2 per 100; 3-in., \$3. Silver leaf, Nutt and Mt. of Snow, 2-in., \$3 per 100; 3-in., \$4. R. Vincent, Jr., & Sons Co., White Msrsh, Md.

Geraniums, standard sorts, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emman, Newton, N. J.

Geraniums, S. A. Nutt, \$11.50 per 1,000. Ricard and Poitevine, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, assorted, large proportion Nutt, Ricard, Doyle, rooted cuttings, \$1 per 100. Edward Wallia, Atco, N. J.

Geraniums wanted, Barlolege and Able Le France. Iowa Seed Co., Des Moines, Iowa.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens of all kinds. For prices see advertisement elsewhere in this issue. J. H. Von Canon & Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodman Co., Evergreen, Ala.

HARDY PLANTS.

Moonvine, white, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Moonflower, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, Czar, Jersey Beauty, etc., \$2.50 per 100; Centerfeur, \$3.50 per 100. Storrs & Harrison Co., Painesville, O.

Heliotrope, 2-in., \$2 per 100; 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otakaa, 5 to 6 branches, \$20 per 100; 4 branches, \$15 per 100. Souvenir de Claire, same price; also 7 to 10 branches, latter variety, \$25 per 100. Jackson & Perkins Co., Newark, New York State.

Hydrangea Mme. Emile Mnuillere, 3-in., \$3 per doz.; \$25 per 100. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hydrangea Otakaa, 5-in., 2 to 3 flower shoots, \$20 per 100. Storrs & Harrison Co., Painesville, O.

Hydrangea Otakaa, 6-7 inch, 3 to 4 flowering stems, \$5 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, German, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivies, German, 60c; Eng., 75c, prepaid. Chas. Frost, Kenilworth, N. J.

English ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

LILACS.

Lilacs, M. Legraye, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lilacs, Marie Legraye, \$6 per doz.; \$50 per 100. 714 Chestnut St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the valley, London Market pipe, \$14.50 per 1,000. Medium grade, \$12.50. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, Chicago Market Brand, \$2 per 100; \$16 per 1,000. Early forcing Valley, \$1.50 per 100; \$14 per 1,000. H. N. Bruns, 3038-40-42 W. Madison St., Chicago.

LOBELIAS.

Lobelias Kathleen Mallard, rooted cuttings, \$6 per 1,000; 2-in., \$3 per 100; \$25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lobelia Kathleen Mallard, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Altheas, Hydrangeas, Privet, Barberries, Philadelphia, Spiraea, Dentzias, Forsythias, Weigela, Viburnums.

Write for prices and sizes.

THE CONARD & JONES CO.,

West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Japan Maple, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya and Laelia anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$1.50 per doz. Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms, big stock, write for prices. Holton & Hunkel Co., Milwaukee, Wis.

Palms. McHutchison & Co., 17 Murray St., New York.

Palms. A. N. Pierson, Inc., Cromwell, Conn.

PANSIES.

SOMETHING NEW, something different from our gardens, the PANSY WONDERLAND. New color. Plate catalogue ready in February tells all about "MASTODONS," the premier mixed strain of pansies. Plants per 100, 50c; per 1,000, \$3; seed, 1-12 oz., \$1; oz., \$9. STEEL'S MASTODON PANSY GARDENS, Portland, Ore.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gullardina, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, \$2.50 per 1000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5 1/2 and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

PRIMULAS.

Miller's Giant Obconica, average larger than silver dollars. Fine 3-inch, \$5 per 100. Chas. J. W. Miller, Shremanstown, Pa.

Primulas. For varieties and prices see advertisement elsewhere in this issue. Bees, Ltd., 179 Mill St., Liverpool.

PRIVET.

200,000 Cal. Privet, 2-year, \$12 per 1,000; 4 to 6 branches and up; large stock Ampelopsis Veitchii, Clematis paniculata, 1, 2 and 3-year-old; fine stock Hydrangeas, English Ivy, Shrubs, Vines, Dahlias and Cannas. Get my list; it will pay you. Benj. Connell, Florist, Merchantville, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 75c, \$1 and \$1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROSES.

ROSES. Send for complete list.

American Pillar, 3-year.....	Per 100	\$35.00
American Pillar, 2-year.....		25.00
Dorothy Perkins		12.00
Lady Gay, 4 to 5 ft.		16.00

THE CONARD & JONES CO., WEST GROVE, PA.

ROOTED ROSE CUTTINGS.

	Per 100	Per 1,000
Richmond	\$2.00	\$15.00
Pink Killarney	2.50	20.00
White Killarney	2.50	20.00

Satisfaction Guaranteed—Ready Now.

GEO. REINBERG,

162 N. Wabash Ave., Chicago, Ill.

Roses, Double White Killarney, Killarney Queen, Sunburst, Lady Hillingdon, Mrs. Aaron Ward, Melody, Killarney, White Killarney, Richmond, Mrs. Taft, Double Pink Killarney, My Maryland, Radiance. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Sunburst, 2 1/2-in., \$30 per 100; \$250 per 1,000; grafted, \$35 per 100; \$300 per 1,000. Double White Killarney, \$30 per 100; \$250 per 1,000. Lady Hillingdon, grafted stock, \$25 per 100; own root stock, \$20 per 100. Chas. H. Totty, Madison, N. J.

Roses, Perles, cuttings, \$2 per 100; \$15 per 1,000; 2 1/2-in., \$4 per 100; \$30 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses, own root, Pink Killarney, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots. My Maryland, 2 1/2-in. J. L. Dillon, Bloomsburg, Pa.

Seeds, vine seeds, Rocky Ford cantaloupe, muskmelon and cucumber seed. The Ebbert Seed Co., Rocky Ford, Colo.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, New York State.

Roses, Lulso Lilla (H. T.), \$3 each; \$20 per 10. Puratin Pilsa (Rugosa H. T.), \$3 each; \$20 per 10. Peter Lambert, Trier, Germany.

Roses, Kalecrin, \$3.50 per 100; \$25 per 1,000; Parle, \$3.50 per 100; \$25 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Good & Rees Co., Springfield, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses on own roots, budded, bedding. H. P.'s hybrida and teza. W. & T. Smith Co., Geneva, N. Y.

Rose Lady Hillingdon. Waban Rose Conservatories, Natick, Mass.

Roses, Plak Killarney. W. H. Elliott, Brighton, Mass.

Rose White Killarney. A. N. Pierson, Inc., Cromwell, Conn.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, rooted cuttings, Bnfire, Zurich, \$6 per 100; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Salvias. A. N. Pierson, Inc., Cromwell, Conn.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 tr.	Tr.
	Pkts.	Pkts.
Begonia Bedding Queen, finest pink.....	\$2.50	\$0.50
" Gracilla luminosa, finest red.....	2.50	.50
" Triumph, finest white.....	2.50	.50

O. V. Zangen, Hoboken, N. J.

Seeds, Vinca alba pura, tr. pkt., 10c; oz., 60c; Rosea fl. alba, tr. pkt., 10c; oz., 60c; Rosea pink, tr. pkt., 10c; oz., 60c; mixed, tr. pkt., 10c; oz., 50c. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus plumosus nanus, 50c per 100; \$1 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, primulas and Asparagus plumosus nanus. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, cucumber, squash, corn, etc. James J. H. Gregory & Son, P. O. Box A, Marblehead, Mass.

Flower seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, beet, carrot, parsley, parsnips, leek, radish, celery. I. N. Simon & Son, 6 No. Front St., Philadelphia, Pa.

Seeds, cabbage, cauliflower and root seeds. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, turnips, rutabaga, Mangel Wurzel, cauliflower and cabbage seed. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seeds, lawn grass. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Onion seed and onion sets. Schilder Bros., Chillicothe, Ohio.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, sunflower, \$3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds. Kelway & Son, Langport, England.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

SMILAX.

Smilax, 3-in. pots, \$4 per 100. C. Elsie, 11th and Westmoreland Sta., Philadelphia, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

3,000 Spirea Van Houttei, 2-yr., 2 1/2 to 3 1/2 ft. Send for prices; additional lists and catalogue. Henry Lake Soos Co., Nurserymen, Black River Falls, Wisconsin.

Spirea Gladstone, \$3 per doz. Queen Alexandra, \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Spirea, clumps. For varieties and prices see advertisements elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

TRADESCANTIA.

Tradescantia, variegated, 2-in., 40c per doz.; \$3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VERBENAS.

Verbenas. For varieties and prices, see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Lemon Verbenas, rooted cuttings, 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Verbenas, R. C., 70c per 100; \$6 per 1,000; express paid. S. D. Brant, Clay Center, Kans.

VINCAS.

Vincas, 4-in., \$2 per doz.; \$15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca variegata, R. C., \$1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Gihlin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES.

Insecticides, Aphine, \$1 per quart; \$2.50 per gal. Fungine, 75c per quart; \$2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kild Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

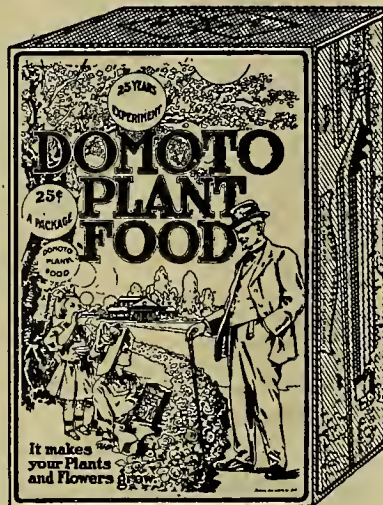
Nikoteen, pint bottle, \$1.50. Nikoteen Aphid Punk, \$4.50 per case of 12 paraffined boxes.

FERTILIZERS.

HARDWOOD ASHES, best fertilizer in use. GEORGE STOVENS, Peterborough, Ont.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.



318-320 Front Strket,

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse construction and equipment. Kling Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters. Jennings' Improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MATS.

The cheapest and most practical Hotbed and Cold Frame Mat on the market. Send for circular and price list. Watts Bros., Kerrmoor, Pa.

MISCELLANEOUS.

Sunlight double glass sash. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Tobacco stems. H. Munson, 1405 Wells St., Chicago.

Cut flower and design boxes, all sizes. O. C. Pollworth Co., Milwaukee, Wis.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Slidney, O.

Sunlight double glass sash for hot-beds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 65c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c per 1,000, \$5. Vaughan's Seed Store, Chicago.

What Is It?

It Is a Vegetable
Fertilizer.

It is absolutely odorless.

For Potted Plants,
Lawns and Gardens.

25c per package.

Distributors wanted in each
state. Write for particulars.

**North American
Mercantile Co.,
SAN FRANCISCO, CAL.**

WHOLESALE CUT FLOWERS.

Allen, J. K., New York.

Amling Co., E. C., Chicago.

Angermueller, Geo. H., St. Louis, Mo.

Badgley, Riedel & Meyer, Inc., New York.

Bassett & Washburn, Chicago.

Bering, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

Critchell, C. E., Cincinnati, O.

Deamud Co., J. B., Chicago.

Elliott, W. H., Brighton, Mass.

Ford, M. C., New York.

Froment, H. B., New York.

Greater N. Y. Florists' Ass'n., New York.

Growers' Cut Flower Co., New York.

Gunther Bros., New York.

Hoerber Bros., Chicago.

Hoffmeister Floral Co., Cincinnati, O.

Holton & Hunkel Co., Milwaukee, Wis.

Hunt, E. H., Chicago.

Kasting Co., Wm. F., Buffalo, N. Y.

Kenjicott Bros. Co., Chicago.

Kesaler, Wm. A., New York.

Kruchten, John, Chicago.

Knebler, Wm. H., Brooklyn, N. Y.

Kuehn, C. A., St. Louis, Mo.

Kyle & Foerster, Chicago.

Lecakes & Co., New York.

McCallum Co., Pittsburg, Pa., and Cleveland, O.

McCullough's Sons Co., J. M., Cincinnati, O.

McKellar, Chas. W., Chicago.

Meconi, Paul, New York.

Milling, Chas., New York.

Moltz & Co., New York.

Moore, Hentz & Naab, New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, New York.

Niessen Co., The Leo, Philadelphia, Pa.

Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.

Rice Bros., Minneapolis, Minn.

Rusch & Co., Gust, Milwaukee, Wis.

Peunock-Mechau Co., S. S., Philadelphia.

Percy Jones, Chicago.

Pittsburg Cut Flower Co., Pittsburg, Pa.

Prehlmann Bros. Co., Chicago.

Pollworth Co., C. C., Milwaukee, Wis.

Seattle Cut Flower Exchange, Seattle, Wash.

Sheridan, W. F., New York.

Smith, P. J., New York.

Smith, Wm. C., St. Louis, Mo.

Thompson Carnation Co., J. D., Joliet, Ill.

Totty, Chas. H., Madison, N. J.

Trandly & Schenck, New York.

Wellnnd & Risch, Chicago.

Welsh Bros., Boston, Mass.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

THE STANDARD

VENTILATING MACHINERY



The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is using a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

Mention the American Florist when writing

Davenport, Ia.

The coldest two weeks on record for many a year has put a crimp to all business and very little has been doing but shoveling coal with the glass down to 21° below. Few people have ventured out to do any shopping and in consequence the stores have seemed like so many cemeteries. But the weather is moderating somewhat and no doubt our worst winter weather is over. It is hoped so, at least. The coal supply is near running out, several factories have already shut down. But so far the florists have been well supplied, several having enough coal to last six weeks longer. So no doubt all will pull through.

CLUB MEETING.

Notwithstanding zero weather a goodly number attended the regular monthly meeting of the Tri-City Florists' Club which met at the home of Henry Pauli on the evening of January 11, and a merry time was had. The topic for the evening was "Insects," and the use of the different insecticides for the various insects more or less destructive to plant life. During the discussion every insect seems to have a destroyer with the exception of the aster beetle which seemed to grow fat on all insecticides tried by any of the florists. As Henry Gaethe remarked, "There is only one way, get someone to hold the beetle down and then jump on him with both feet." Nearly every florist has given up even trying to grow asters outdoors on account of the destructive beetle, with no remedy in sight. After other routine matters the club adjourned to the dining room, where a fine oyster supper was in waiting and with plenty of the good things of this earth, a few jokes, the worried look of the florist soon faded away. 21° below and every boiler on the jump is enough to make the best of us a little uneasy. Voting Mr. Pauli and his family royal entertainers, the club adjourned to fight their way home through a gale and the glass 16° below.

NOTES.

We don't care to insinuate, but there must have been something wrong with the man who claims he saw a snake two feet long on New Year's day. We wouldn't like to mention any names, either. But Uncle John Temple knows whom we mean.

Proprietor Rohlfs of the Alta Vista Nursery has secured the help of an assistant who no doubt will be with him for some years to come. Sure—we'll take a cigar. Mother and son are doing nicely. A New Year's present—some class, eh!

The Davis plant is now in full running order and things are coming along in fine shape. Their heating plant



The back is a mottled green paper especially imported from Germany. The illustration is wonderfully life like in five colors. The pad sheets have an under printing of flowers and different greenhouse subjects.

One of These Calendars is Laid Aside For You.

LAST year, after we had sent out that rather unusual three-fold calendar of ours, with its beautiful brown photographic reproduction of a greenhouse at the top, and a five-colored rendering of a show house filled for Easter, at the bottom—we received a flood of complaining letters.

Not from those who received the calendars—but those who didn't.

When you walk into a friend's house and see one of our calendars hanging on the wall, and you haven't received one, naturally enough, as a good customer, you wonder why you have been left out. Some take it as a mistake and let it go at that. But others write in and act as if they thought we did it on purpose. The truth is, we wanted all of our friends and most of our enemies to have one last year. So this year we have taken extra pains to see that your name, along with the rest, is on the list to be sent our 1912 calendar.

But to make doubly sure, won't you kindly drop us a postal saying you want one and I will see to it myself that it is mailed to you. This will obviate all chances of your not getting one.

P.S. Its even better than last years and that's saying a good deal

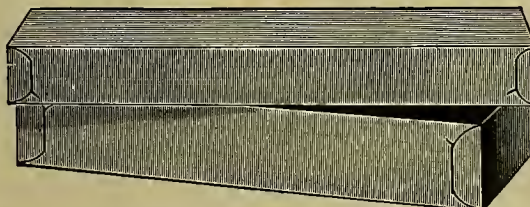
SALES MANAGER.

Lord & Burnham Co.

Factories: IRVINGTON, N. Y. and
DAS PLAINES, ILL.

New York Boston Philadelphia Chicago
St. James Building. Tremont Building. Franklin Bank Bldg. Rookery Bldg

Mention the American Florist when writing



CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write.

C. C. Pollworth Co.,
MILWAUKEE.

Mention the American Florist when writing

(compound vacuum), has been well tested the last few weeks and has done the work in fine style. Chas. Hummel is on the sick list. The building bug is about. T. E.

DANVILLE, N. Y.—The four new greenhouses erected the past season by M. J. Schaaf are devoted to the culture of carnations and the plants are in an especially thrifty condition.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORIST'S SUPPLIES.

We Manufacture all Our *Metal Designs, Baskets, Wire Work, and Novelties*, and are dealers in *Glass-ware, Pottery, Decorative Greens and all Florists' Requisites.*

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.

The National Florist's Board of Trade **56 Pine St. NEW YORK**

Greenwich Horticulturists.

The regular meeting of the Westchester and Fairfield Horticultural Society was held in Greenwich, Conn., Friday, January 12, with President Stuart in the chair. In anticipation of J. K. M. L. Farquhar's lecture on "Gardens of Japan" 137 members were present, lacking only 10 for a full attendance, which speaks volumes of the great esteem all have for the lecturer, as well as the interest each takes in the welfare of the society. Two members were elected and two applications received.

Mr. Farquhar's fame as a lecturer is too well known to dwell upon, but the masterly way he handled his subject made us all feel as if we indeed had taken the trip through that wonderful garden of the east, with its untold treasures of horticultural products, and a rising vote of thanks was given the lecturer.

The judges for the night were Messrs. Adcock, Magee, McKenzie, Dealey and Addor, and their report as follows:

Begonia Agathe, certificate of merit to James Stuart for one of the finest specimens ever seen, also cultural certificate to Mr. Stuart for a grand vase of Euphorbia Jacquiniflora. Vase of stocks, Beauty of Nice, from James Aitchison, cultural certificate. A fine display of geraniums and begonias, made by Harry Wild, was highly commended. Honorable mention to Ad. Paterson for vase of Eucharis Amazonica. Vote of thanks to J. Aitchison for a well-finished specimen of chorizema, also to Th. Ryan for display of marguerites and vegetables. President Stuart's prize for best 18 carnations was won by Robert Stobo, with White Enchantress, and a vote of thanks accorded to all other entries for the same prize.

A smoker will be held at the February meeting, also a lecture on chrysanthemums, roses and carnations by our famous expert, C. H. Totty of Madison, N. J.

OSCAR E. ADDOR, Sec'y.

Chico, Calif.

Miss Josie Robbie reports a 15 per cent increase in sales during the holidays over last year. Potted plants of poinsettias and Begonia Gloire de Lorraine moved readily; carnations were scarce but of good quality; violets were plentiful and fine and these found a ready market. Funeral work and decorations kept all busy night and day for a week.

Henry Klappfer, propagator at the U. S. Plant Introduction Garden located here, says the recent frosts did but little damage at the garden. They are now equipped with five large greenhouses heated by hot water and Jack Frost has a merry time trying to get the best of Uncle Sam's introductions.
C. D. B.

**Double Glass Sash**

Have Tomatoes
on the market
weeks ahead

Never mind the weather!

Your plants in hot-beds or cold-frames under Sunlight Double Glass Sash will not mind it

Between the two layers of glass in the Sunlight Double Glass Sash is an air space of $\frac{5}{8}$ of an inch in thickness

Above the glass is winter weather—zero perhaps. Below the glass is warm earth and plants growing like May

The secret of it all, is that the airspace between the two layers of glass being a non-conductor will not let the cold in or the heat out. It makes the Sunlight Double Glass Sash complete in itself. It needs no mats or boards. The only cover is the air sealed between the layers of glass.

You can have hot-beds and cold-frames with Sunlight Double Glass Sash far cheaper in the long run than your single layer sash with heavy, dark covers of mats or boards. You can save more than half the labor and worry and you can control your beds better and get earlier, stronger and far more profitable plants.

The Sunlight Double Glass Sash method comes right home to every gardener and florist in the country. It is good business to learn all about it.

Write us today. We will send our complete catalog, free. If you enclose 4c in stamps we will also send Prof. Massey's booklet on hot-beds and cold-frames. Be sure to write your name and post office plainly.

Write for
these books
today

**Sunlight Double Glass Sash Co.**

934 East Broadway

Louisville, Ky.

Mention the American Florist when writing

**THE KROESCHELL BOILER
NOT CAST IRON**

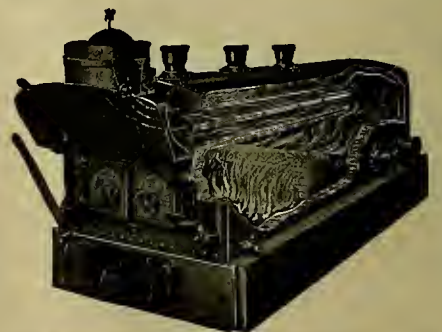
HAS

**WATER FRONT
SIDES TOP
BACK**

New Catalogue and prices on application

Kroeschell Bros. Co.

452 W. Erie St., Chicago.



Mention the American Florist when writing

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring,
White Cedar Posts, Etc.

WRITE FOR PRICES.

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
Telephones: Lincoln 410 and 411



Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept, "N," DETROIT, MICHIGAN

—Stocks Carried in—

New York
Chicago

Wichita, Kan.
New Orleans, La

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

Mention the American Florist when writing

Tobacco Paper

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

24 sheets.....	\$ 0.75
144 sheets.....	8.50
336 sheets.....	6.50
1728 sheets.....	35.10

"Nico-Fume" LIQUID

OVER 40% NICOTINE

By far the

HEAPEST

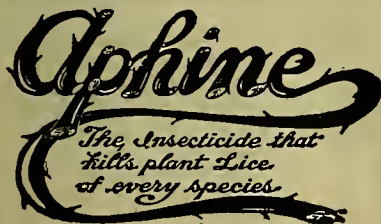
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Specially prepared for fumigating closed
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Bug Killer and
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Write to

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green Flies and
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Pulverized
Sheep Manure

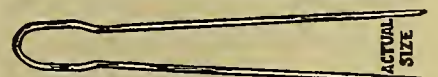
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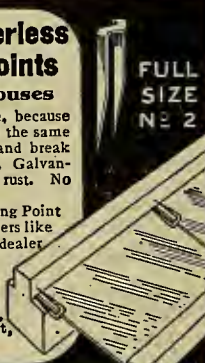
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Good for small or large glass, do not rust, easy to drive 3/8 and 1/2 inch For lb. 40c. 5-lb. \$1.85. 20-lb. \$7.00

VAUGHAN'S SEED STORE, Chicago New York.



Montreal.

CUT FLOWERS SCARCE.

We have experienced a spell of very severe weather, with temperatures of 20° below zero being quite general and continuous for two weeks. It was a hard fight to keep the frost out, to say nothing of keeping the temperatures right, but we have pulled through without any damage being reported. Trade suffered somewhat under the adverse conditions. Cut flowers are scarce, especially daffodils, for which there is always a large demand when they first appear. There was quite a show of bulbous stock at Christmas, but the supply seems to have been limited, as there is very little to be seen now. Tulips are rather short-stemmed. There is a good demand for flowering plants and cut flowers for table decorations and a steady call for funeral work.

NOTES.

Wm. C. Hall, president-elect of the Montreal Gardeners' and Florists' Club, was unable to preside at the first meeting of the new year, being busy with a large table decoration at a dinner given in honor of the Scotch Curling Club. Ex-President W. R. Whiting took the chair and in a very able way gave a review of the work during the past year. John Walsh reminded the meeting that it will be twenty-five years in November since the club was formed, and that it was none too soon to make arrangements for the celebration of this anniversary in a worthy manner. From present appearances it does not seem possible to hold a chrysanthemum show this coming autumn, the negotiations for the hall have been broken off and as there is no other hall available it will have to be postponed for another season. The annual dinner will be held on Monday, January 22. All present at the meeting signified their intention to be there, and from present appearances there will be a record attendance.

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in this advertisement are planning any actions, it will pay

is impossible. If you rebuilding or addi- you to write us.

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SELF-FEEDING HOT WATER BOILERS.

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Strictly clean and strong, from high grade Cigar Tobacco only. Freshly stripped and baled daily at factory in 300 lbs. bales. Large or small orders promptly shipped. Write or 'phone if you want A No. 1 Tobacco Stems.

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For GREENHOUSES

See Our Catalogue.

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CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES.

527 Plymouth Place, CHICAGO

Mr. Phillipe of Pointe au Tramble made a call on the growers for the purpose of stocking his private conservatory.

E. J. Hayward, Cote St. Paul, will build a greenhouse 20x100 feet and a mushroom house of the same dimensions.

G. A. Robinson is confined to his home with a troublesome throat.

LUCK.

SOUTHPORT, CONN.—The Sound View Farm, of which Nellis H. Sherwood is manager, has announced that retail work will be discontinued. Mr. Sherwood established the business 16 years ago but sold the plant to I. Dever Warner in 1911, continuing as manager.

FLORISTS' Refrigerators!

DOES your rapidly increasing business require an attractive ice box? If so write us, we are manufacturers and can quote you on Ice-Boxes of every description.

Your old box can be used as part payment.

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that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

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Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
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A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

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EDWARDS FOLDING BOX CO

MANUFACTURERS
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\$3.00

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**SAVES MANY TIMES
ITS PRICE**



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Contains 590 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

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440 S. Dearborn St.

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Second Hand Boilers**

Fully Guaranteed

Note the low prices quoted on these Boilers suitable for greenhouses. We would suggest ordering at once if you wish to take advantage.

- 2 42-in. x 10-ft. Keweenaw Fire Box Boilers \$150 00
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All kinds of first class second hand Boiler Tubes, Piping, Fittings, Valves, etc. Write for our latest Price List No. 47.

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Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.
Half barrels (26 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

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Iron Bench
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SASH BARS
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Send for our new catalogue.

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10,000, \$1.75; 50,000, \$7.50. Manufactured by
W J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating



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Superior Machine & Boiler Works

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ARE YOU GOING TO BUILD?



If you are, get our catalogues and estimates. Our prices are right, construction up-to date, material highest in quality. Tell us what you are interested in and we will send proper catalogue

John C. Moninger Co., 902 B'ackhawk Street, **Chicago.**

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Let price be the only consideration.

King Greenhouses

Satisfy the most discriminating, because they are strong and lasting and easy to keep in repair. They keep you from

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and give you time to grow things, and that is what a greenhouse man wants. *Send for Question Blanks.*

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No. 1 Madison Avenue, NEW YORK.

Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning
Hall Insurances, address

JOHN G. ESLER, Secretary

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Mention the American Florist when writing

BURNED CLAY
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frames, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
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THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

THE AMERICAN FLORIST



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

Vol. XXXVIII.

CHICAGO AND NEW YORK, FEBRUARY 3, 1912.

No. 1235

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

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440 S. Dearborn St., Chicago.

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Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

**SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.**

OFFICERS—RICHARD VINCENT, Jr., Baltimore, Md., President; AUGUST POEHLMANN, Chicago, Vice-Pres.; JOHN YOUNG, New York, Sec'y; W. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Chicago, August, 1912.

NATIONAL SWEET PEA SOCIETY

Annual convention and exhibition at Boston, Mass., July 13-14, 1912, WILLIAM SIM, Cliftondale, Mass., President; HARRY A. BUNYARD, W. Fourteenth St., New York, Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition November, 1912. CHARLES H. TOTTY, Madison, N. J., President; C. W. JOHNSON, Morgan Park, Ill., Secretary

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New York, April, 1913. A. FARENWALD, Roslyn, Pa., President; FRANK H. TRAENDLEY, New York, Vice-President; BENJAMIN HAMMOND, Fish-kill-on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at New York, April, 1913. PHILIP BRIETMEYER, Detroit, Mich., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912. I. S. HANDBORSON, Floral Park, N. Y., President; L. MAROTZ GAGE, Orange, Mass., Secretary.

**AMERICAN ASSOCIATION OF PARK
SUPERINTENDENTS.**

Next meeting at Boston, Mass., 1913. W. H. DUNN, Kansas City, Mo., Pres.; F. L. MULFORD, Washington, D. C., Sec'y-Treas.

SUGGESTIONS FOR PLANT GROWERS.

Sweet Peas.

A bed or bench of sweet peas sown at this time will produce a nice crop of flowers in spring when the winter blooming plants are nearly through flowering and the blooms beginning to grow small and before any outside can be had. The newer Spencers make splendid varieties to plant at this time, and while they will not bloom as early as the winter blooming varieties, yet will flower before the warm summer weather, and the beautifully formed flowers make a welcome change. Select a bench with plenty of head room for these easily grow to a height of six or eight feet under favorable conditions. The seed can be sown six inches apart in rows, with about three feet between rows, and lightly covered. It is just as well to sow two or three seeds together and when they begin to grow thin out to one plant. The beds must be watered sparingly until the plants are large enough to twine on the supports, for they damp off easily even when five or six inches high if overwatered. As soon as the tendrils on the vines appear provide some support for them to twine upon and keep the plants growing erect throughout their culture or crooked stems and worthless flowers will be the result. A cool house is far better for these plants than one having a warm temperature. Aphids are often troublesome in growing sweet peas and a spray is far better with these plants than fumigation.

Chrysanthemum Stock.

This is the time to look over the chrysanthemum stock to see how the cuttings are breaking. There may be some varieties that are not throwing as many cuttings as they should or some that are not in good health and there are yet some growers that have stock plants for sale, so where from either cause it looks as if the supply might not be sufficient, new stock should be purchased at once. Where the stock plants are in good health but there are not enough to furnish the requisite number of cuttings, the early cuttings may be taken and rooted and

these grown in flats until it is time to propagate the plants for blooming, and cuttings made from these. There are also some varieties of which good cuttings can be procured at this time, but after the first growths are removed, do not break satisfactorily. These should surely be taken now and grown on in flats, notably as one of this class is Miss Virginia Poehlmann, and some varieties, such as President Roosevelt, are short-jointed and slow in their growth, so early cuttings are preferred. It is a good time now to look the stock over and be sure of good plants and enough of them for another season.

Stocks.

The demand for flowers at Decoration day is in many cases for bunches or sprays to lay upon the graves of the departed relatives and friends, and as much show as can be made is often the object, therefore, the grower must have a quantity of what are called the cheaper flowers, and stocks are one of the best at this time, for they are large and prominent, make up well in bouquets or sprays, and are quickly and easily grown. The seed should be sown by February 1 to be sure to have them in flower by the end of May. The seed germinates quickly and as soon as large enough should be potted. Many grow them in flats but to have them early pot culture is better, for they do not receive such a severe shock when transplanted in the benches. The planting in the benches should be done in the month of March and the plants can be grown in two ways, to the single spike which will produce a much larger, handsome bloom or to eight or ten lateral spikes. The former method allows of planting from three to four inches apart, while in the latter the plants should be set eight to nine inches each way. Growing the latter way, that is to eight or ten spikes, is the culture most often practiced, and in order to cause the plant to branch, as soon as the terminal flower forms it is rubbed out, and the laterals will grow at once. To have these laterals in bloom for Deco-

**Ready Reference Ads.
Page 99.**

ration day the terminal bud should show by the last of April, which will allow about four weeks for the growth of the laterals and the finishing of the bloom. Constant fumigation will be necessary to keep the plants clean of aphid, which very rapidly accumulate on the succulent growth unless kept in check.

Hydrangeas.

The plants of hydrangeas that are to be in bloom for Easter should be started at once, for it is much better to grow them along slowly than to wait and bring them in later and force them much harder. This will give the plants more natural conditions and they will finish with shorter-jointed growths, being not nearly so tall, and well furnished with large heavy foliage completely covering the stems. The plants started at this time should be first placed in a greenhouse having a night temperature of 40° to 45° and if the buds and stems look very dry, frequent syringings of the branches will quickly make the buds fill up. After the first leaves are fully formed the plants can be moved in a warmer house and they should come along nicely for Easter—a house with carnation temperature should bring them in bloom by that time, but if the buds are not well set early in March a still warmer temperature will be required. If grown in a warm temperature keep a sharp lookout for red spiders, which gather on the blooms and quickly ruin them.

Hybrid Roses.

Well grown plants of Hybrid Perpetual roses are always good property at Easter and they are very easily brought into bloom when the date of that festival is in April. Pot grown stock is surer of the best results, but dormant stock of many varieties will produce nice plants if properly handled. The plants should be cut back to two eyes on each growth and started in a cool house, one with a night temperature of 40° to 45° being preferred, from the first to the fifteenth of January. Frequent syringings will swell the wood and cause the breaks to open evenly. When the buds form the plants should be watered with liquid manure at least once a week. They will probably not have to be carried to a warmer house, but if it is found they are not going to be in bloom in time a little warmer temperature will hurry them along. There are a few varieties that make fine pot plants, those most generally grown being Magna Charta, Mme. Gabriel Luizet and Frau Karl Druschki.

TRENTON, N. J.—Articles of incorporation have been filed by the Blackmon Floral Co. which is to carry on a general nursery business. The capital stock is \$20,000 and the incorporators are George W. Blackmon, Harry E. Blackmon and Robert W. Vail.

SOUTH BEND, IND.—The Northern Indiana Florists' Association held its quarterly session in this city at the greenhouse of the South Bend Floral Co., January 17. M. J. Vesey of Fort Wayne addressed the meeting on the subject "The Growing of Carnations." The different florists' establishments were visited and the visiting delegates exhibited specimens of cut flowers. The next meeting will be held in April probably at Elkhart, and the annual meeting in July at Winona Lake.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

St. Valentine's Dinner.

THE HEART OF CARNATIONS.

Have a center piece of red carnations of good size and mounded. Around the edge arrange a garland of maiden hair fern from which small red carnation hearts should be extended, say about six in all. In the center of the mound place a bow and arrow. Make the bow of white carnations and the arrow of lily of the valley. The lily of the valley should be full and artistically arranged at the top of the arrow. The center piece should be large enough to extend about six inches beyond the bow. The string of the bow could be made of white ribbon.

Use double heart baskets rich red in color and arrange a corsage of lily

STICK

A farmer in Texas was asked what would be the money value of the crops raised in Texas ten years from now if the increase was proportionate to the past ten years, and he said: "There ain't no such money."

That's about the size of the growth of the florist business in the United States. If you want to get your share of a sum that is so big, "there ain't no such money," place your advertisement in THE AMERICAN FLORIST, and stick.

of the valley in these, tied with a shower of small ornamental red hearts and a rosette of red ribbon.

THE DOME CENTERPIECE.

Suspend from the chandelier or so as to hang directly over the center of the table, a dome of red roses using red satin ribbon about No. 60 width in four streamers tied to where it is attached with a very large rosette. The dome should be hung opening up so that the round effect can be utilized for suspending three large hearts made of red roses, and from each heart extend a red streamer to the table, on which a flower candlestick should rest, these to be made of red roses, using heart shaped shades of red satin. Make a mat of maiden hair fern for the center of the table.

RED SWEET PEAS AND RED TULIPS.

Take an oblong basket and arrange in it loosely maiden hair ferns in an artistic manner. Then take two big heart frames about 18 inches tall and cover them with red sweet peas. Place one on each end of the basket and attach them together with a ruche of red roses falling over the maiden hair ferns. Arrange a garland of red roses around the fern basket. Heart shaped baskets filled with red sweet peas tied with a lover's knot of red gauze ribbon are effective.

A center piece made of red tulips is attractive using a round basket. In the center place a pole covered with red satin on top of which place a heart shaped basket filled with white tulips. Use red and white wide satin ribbon of soft texture, making a ruche under the basket at the top and extend from this streamers to the table. These streamers should be wired so they can be bent away from the tulip basket. At the foot of the basket make another rosette effect and allow it to rest on and fall from the table. On either side of the ribbon resting on the table, use asparagus vines. Heart shaped bonbon boxes filled with violets, or lily of the valley are good if the red and white effect is to be carried out.

THE FLORAL CAKE.

Cover the St. Valentine's cake with a bower in this manner: Have a frame made which will cover the center of table well and under which the ornamental cake can rest. This frame can be mossed lightly and arranged with lily of the valley. Place around it a very thick, full garland made of American Beauty roses with their foliage. On the cake place three flower candles as follows: One of yellow rose buds indicating the past; one of white rose buds indicating the present; and the third of shamrocks indicating the future. Place on top of these tiny electric lights covered with catgut of the same colors as candle it is to light. Suspend from the chandelier garlands made of asparagus with an American Beauty here and there. Make heart shaped corsages of red roses for souvenirs. Or, one American Beauty rose with lily of the valley surrounding it. Tie with red gauze ribbon.

A. E. KLUNDER.

A Fan of Flowers.

A charming fashion has been started in Paris by the Duchess of Montebello, whose love for flowers is well known in Paris society, by the carrying of a fan made of natural flowers, according to a foreign correspondent of the daily press. The fan has been discarded of late in Paris ballrooms, but these are made of fresh flowers and last but one evening.

An ingenious arrangement of wires, deftly concealed in a foundation of green silk, receives the stems and holds the flowers so that there is no danger of their getting out of place. When not in use the fresh flower fan has the appearance of an ordinary bouquet and is attached to the wrist by a gold chain made so thin as to be almost invisible. They cost from \$10 upwards, according to flowers used. At a recent function the duchess appeared with a fan of orchids, the colors of which matched exactly the pale shade of her gown.

Beautiful Wedding Decoration.

A beautiful wedding decoration was arranged by W. J. Smyth at the Strauss wedding, which was solemnized at the Blackstone hotel, Chicago. The space reserved for the bridal party was marked by eight pedestals surmounted by vases of pink roses, between the pedestals and reaching to the entrance were garlands of smilax and pink roses. The ceiling was festooned with asparagus plumosus and a bank of palms was arranged for a background to the bridal party. White doves and butterflies so arranged that they looked as if flying among the roses and palms was an added feature, the whole making a very pleasing effect.



A BEAUTIFUL WEDDING DECORATION BY W. J. SMYTH, CHICAGO.

Smilax Dying.

ED. AMERICAN FLORIST:

We have a bed of smilax in the carnation house which starts well, but when the strings get from three to eight feet high the leaves turn brown or yellowish and the stem dies. We water only when we think it needs it and have given it some liquid cow manure. Can you tell us what is the trouble? ANXIOUS.

This trouble is generally caused by overwatering and the first sign noticed is that the foliage appears to have a wilted appearance, therefore, from the description given it would seem that the plants were troubled with red spider which will quickly and badly infest smilax. The strings should be syringed often and preferably in the early morning, if the house is warm, before the ventilators are open. A carnation temperature is a little too cool to grow smilax successfully; it will grow at that temperature but a house of 60° is better. Ordinarily when smilax strings attain a height of eight feet they are ripe enough to cut. W.

Tulps and Narcissl for Easter.

ED. AMERICAN FLORIST:

We potted La Reine and Yellow Prince tulips, Dutch hyacinths and narcissi in November and they have been kept in a cool cellar. When should they be brought into a greenhouse with a night temperature of 50° to 52° to have them in bloom for Easter?

E. C. H.

All the bulbs mentioned should be brought into such a greenhouse three weeks before the time they are wanted in bloom during March and early April, provided they have been prop-

erly cared for. Some varieties of Dutch hyacinths may take a little longer. Allowances will have to be made for the weather when plants are desired in the best condition for a certain date. W.

The First Retarded Lily of the Valley.

There are millions of lily of the valley pips and large numbers of other plants placed annually in cold storage and their sleep prolonged that they may be had in bloom at any desired time of the year, and it was the fickleness of a queen, writes Edwin A. Seidewitz in the Baltimore Sun, who vouches for the authenticity of the following, that required the grower to rob nature of its force, by keeping the plant dormant, and reserving its power until called upon by the grower.

There was a much admired and adored sovereign of Russia, who, like the queen of the fairy tales, was most beautiful, and by reason of this beauty could make any request of her consort, the emperor. She had a favorite flower—the lily of the valley. 'Twas Christmas and her boudoir was filled with the fragrance of this modest flower, but she was sad. The emperor asked:

"What ails thee, fair queen, hast thou not all thou desirest, with this thy favorite flower about thee?"

"No, your majesty, I am thinking of my day of birth, in June, when the sun is hot, when nature has taken from me the last of my favorite flowers. How beautiful it would be if among the roses I could have my beautiful lilies of the valley."

"Thou demandest much, but if it be within the power of human effort to

produce them, thou shalt have thy favorite flowers in June, on the day of thy birth."

Immediately the emperor commanded his head gardener to appear and demanded that a basket laden with the favorite flower of the queen be produced on her birthday, under penalty of losing his position of garden inspector of St. Petersburg, with exile from his native land. Sadly the gardener left the presence of the emperor and began to study how to bring about the impossible. That night he had a dream. He dreamed that he was exiled from his home into Siberia. It was the queen's birthday and some freedom was given the prisoners. They were permitted to roam about, and, as the gardener was strolling along, he found in a crevice, sheltered from the north wind, a clump of lilies of the valley in bloom. He plucked them and thought if he could only send them to the queen he would regain his freedom. Awakening with the dream still vivid, the gardener began to gather his thoughts together and soon figured that if he could keep the pips of the lily of the valley in a dormant state he could bring them into bloom at any period he might prefer. The icehouses were being filled, ice harvest was at hand, why not place the pips in the ice and keep them asleep till then? He acted upon the impulse and three weeks before the queen's birthday he brought them out and let nature bring them into bloom. So it was that Garden Inspector Regal kept his position with the Russian emperor, for he had fulfilled the demand by presenting the queen with a basket of lilies of the valley in June on her birthday.

THE GLADIOLUS.

THE "Book of the Gladiolus," by Crawford and Van Fleet, price \$1.25 postpaid.

Two kinds of gladiolus have been named President Taft, one introduced from France, the other of American origin. The nomenclature committee of the American Gladiolus Society should make a note of this. The French houses also offer a Grenadier.

Forced Gladioli in 1911.

Some data with regard to forced gladioli on the Chicago market, which appeared in our columns last June, may be of interest to our readers at this time and we therefore reproduce these particulars herewith.

FORCED GLADIOLI AT CHICAGO.

Gladioli, forced for early bloom, have been quite a feature of the market this season and the spikes were remarkably fine. The varieties most generally employed for this purpose are America, Augusta, Mrs. Francis King and Shakespeare, and the season and prices (per dozen spikes) ran about as follows:

Variety.	Apr.	May.	June.
America	\$ —	\$1.50	\$1.00
Augusta	1.00	.75	.75
Mrs. F. King...	1.00	.75	.75
Shakespeare ...	—	.75	.75

Gladiolus Mrs. Frank Pendleton, Jr.

At the exhibition held by the American Gladiolus Society at Baltimore a certificate of merit was awarded L. Merton Gage, Orange, Mass., for gladiolus Mrs. Frank Pendleton, Jr., which we illustrate, and a few days later was awarded a first class certificate of merit by the Massachusetts Horticultural Society. The flower is of the giant size, often measuring six inches across, of a delicate salmon pink with a distinct blood-red blotch in the throat, presenting a vivid contrast of pronounced attractiveness. It is of the Lemoine type and coloring effect and originated with A. E. Kunderd, Goshen, Ind., who seems to have given it a gandavensis stem, enabling it to absorb a large quantity of water, so that it will open nearly every flower after being cut and placed in water.

The variety was first exhibited at Bar Harbor, Me., in 1909, where it was greatly admired and named for a well-known society lady who saw it there. The stock will not be sufficient to offer it in quantity for about two years, but judging from its popularity at Baltimore the demand for it will be enormous when it is offered to the trade.

Forcing Gladiolus.

ED. AMERICAN FLORIST:

Will you kindly inform me when is the proper time to plant bulbs of Gladiolus Mrs. Francis King and other large flowering varieties to have them in bloom for Decoration day. C. P.

To have the large flowered varieties of gladioli that are more generally forced in greenhouse for early flowering in bloom for Decoration day, the bulbs should be planted from January 15 to February 1, depending upon the temperature in which they are to be grown and upon weather conditions. It should always be borne in mind that to have a flower in its best con-

dition upon a certain day, that it is almost impossible to name a fixed date (making a hard and fast rule) at which the plant should be started for seasons vary, both in regard to temperature and the amount of light, and these two factors exert great influence upon the growth of plants and the production of flowers. It is therefore advisable to start the plants early enough to have them come in to flower on time in a backward season and then if they prove to be too forward have cooler houses where they can be retarded. The bulbs should therefore be planted in boxes or flats that can easily be moved from one location to another, for if planted in the bench it may not be possible to lower or increase the temperature without injury to the other plants in the house. Again gladioli are not like lilies and the Dutch bulbs which are planted early, and after being well rooted retarded, and then brought into the house and the whole lot bloom all at once. The blooming of these bulbs with a lot all planted at one time will extend over two or three weeks. The best way for all growers is to make

they are being grown for a certain date and then regulate the temperature accordingly, moving them into lower temperatures if too forward, or into more heat if they are known to be backward.

Gladioli are being more generally forced for cut flowers every year, the production of earlier varieties having greatly aided their culture. These varieties ripen their bulbs much earlier consequently giving the grower a more favorable start. The first plantings are made about December 1 and in order to have a succession plantings are made weekly until the first of March. Like the forcing of bulbs, the earlier plantings will take more time in producing their flowers than those planted later or nearer the natural season. They are planted ordinarily in the benches in good soil, there being no attempt made to have them at a certain date and grown throughout in the same temperature, being cut and marketed when in the best condition. Good strong bulbs should be selected for forcing, it does not pay to attempt growing the small bulbs for they invariably produce an



GLADIOLUS MRS. FRANK PENDLETON, JR.

notes of the dates upon which certain plants are started and watch their progression, adding constantly to the notes the temperature, the time elapsing until the buds are first seen and when in bloom, and thus acquiring a knowledge of the conditions required if

inferior spike of bloom that will not sell at a remunerative price. The spikes are cut as soon as the lower flowers begin to open and held in water until enough flowers have bloomed to make a good looking spike. The flowers spot very quickly if any

water gets on the petals after they have begun to open, so if grown in a house where syringing is necessary all the spikes showing color should be cut before the house is syringed.

The varieties grown for forcing purposes are America, a soft pink, Augusta, almost a white, Shakespeare, white with red and Mrs. Francis King, bright pink. For June flowering any of the best varieties can be planted the last of February or first of March and they will bloom in late June and early July before any of the outside flowers are fit to cut.

Gladioli For Cut Blooms.

ED. AMERICAN FLORIST:

What are the best gladioli for forcing and outdoor cultivation? How should the open ground be prepared and what is the best space to give the bulbs or corms?

W.

The gladioli which have sold best as cut flowers in recent years are America, Mrs. Francis King, Augusta and Shakespeare, in the order named, both for forcing and outdoor culture. In field work the ground should be mellowed by deep plowing and thorough harrowing this fall, applying suitable chemical fertilizers, wood ashes etc., if necessary, before plowing where the soil does not wash badly in winter or early spring. Plow lightly and harrow thoroughly again in spring. Plant the corms in zigzag double rows at intervals of two to six inches, according to the size of the corms, the rows three feet apart to permit of horse cultivation. As the larger corms bloom earliest, it will be found economical of space and labor in cutting to grade the corms. Crawford and Van Fleet in their recent book, "The Gladioli," give much additional data of value to growers of this plant, price \$1.25, postpaid.

B.

Retaining Foliage Makes Larger Bulbs.

In an article which appeared in THE AMERICAN FLORIST, issue of October 7, page 504, under the title of "Gladiolus Bulb and Flower Spikes," E. Y. Teas & Son of Centerville, Ind., state that gladioli bulbs that had not been allowed to bloom, the spike being cut before any bud showed color, were found to be decidedly larger than those from which the spikes had been cut and the bulblets much more numerous. The following expressions of the opinions of the celebrated growers of this flower in regard to this matter are very interesting:

FROM M. CRAWFORD, CUYAHOGA FALLS, O.

That the production of the bloom in the gladiolus is a severe drain on the resources of the plant is a settled question with me. For this reason I aim to cut off the spike as soon as it comes out of the stalk, before it begins to show color, unless I want to raise flowers or seed. If seed is the object, one or two pods to the spike is sufficient. In that case I break off the young spike to the lower bud or two when it is very tender. At this time the plant is making vigorous growth, having to furnish food for bulb, bulblets and flowers—possibly seeds. Removing the spike early leaves so much more food to feed the bulb and bulblets. As the latter are produced late—about the time the spike appears—we might expect more of them, although we can not be sure of what might have been.

After many years' experience and observation I have reached these conclusions: Leaving the spike to produce flowers and seeds results in a thin, half-starved bulb and small bulblets; cutting off the spike when the first flowers open does little harm; cutting off the spikes before it shows

demonstrates that the corms grew larger and produced more bulblets. Very large bulbs of the variety America are preferred by florists who want them to grow under glass, so if pinching out the buds makes larger bulbs, this would make them more salable for greenhouse culture.



GLADIOLUS AMERICA.

color, without removing any foliage, results in a thick, well nourished bulb and strong bulblets. Any injury to the foliage during the growing season is an injury to the bulb, and for this reason we cut off only the two small leaves when cutting flowers for market.

M. CRAWFORD.

FROM L. MERTON GAGE, ORANGE, MASS.

Regarding gladiolus bulbs that have not been allowed to bloom, the buds pinched out before color showed being decidedly larger than those from which the spikes had been cut for market and that the bulblets were much more numerous, I wish to say that this does not settle the question as to whether the bulbs from which the flowering spikes were cut were injured by letting the spikes develop until they were marketable. It only

It is my opinion that the bulbs from which the flowering spikes were allowed to develop are just as good as the big ones from which the buds were nipped. I have noted that some varieties, that I have seeded, produced the following year equally as good flowering spikes.

Although I have not experimented extensively along these lines, I do not believe it makes much difference whether the buds are pinched out or allowed to develop a flower or two. Some varieties seem to do their best only every alternate year under the best of treatment. L. MERTON GAGE.

FROM E. T. BARNES, SPENCER, IND.

In regard to the question whether the cutting of the bud of gladiolus as soon as possible causes the increase in the size of the corms, I would say that

it has for some time been a settled fact that taking the bud not only increases the size of the corm but also increases the production of bulblets as well, and it will not be long until the general public will realize the crime many seedsmen and growers are committing by selling the fully developed corms from which the vitality has been sapped by cutting the developed bloom spike. Growers generally know that the corms which have been grown to first size and then allowed to develop a bloom spike which is sold, will not produce a desirable bloom spike the next season.

Such corms can be easily distinguished by their flattened shape. Corms of blooming vitality approach more nearly an oval shape and no other kind should be sold for blooming stock, but I am sorry to say that many growers hold their corms until their vitality has been partially destroyed and then sell them.

The book, "The Gladiolus," by M. Crawford and Dr. Van Fleet, is full of information on the subject of gladiolus and has practically no errors.

E. T. BARNES.

FROM E. S. MILLER, WADING RIVER, N. Y.

Although I have never tested it I am a firm believer in not cutting gladioli blooms for market. I think the bulbs are strengthened by leaving all the foliage on, and in cutting for market much of the foliage is cut, particularly on short spiked sorts. My custom has been to cut the spikes when the flowers were fading and before the seed was set, cutting above the leaves. It is the seed bearing that exhausts the plant. It is not practical to cut them before the flowers open. In the same manner I treat Hyacinthus candicans cutting the spikes when in flower. If left to mature seed the bulb is ruined.

E. S. MILLER.

FROM E. H. CUSHMAN, SYLVANIA, O.

Our experience has been the same as that of E. Y. Teas & Son.

E. H. CUSHMAN.

Washing Gladiolus Bulblets.

ED. AMERICAN FLORIST:

Are small bulbs and bulblets of gladiolus injured by washing immediately after digging? H.

In regard to washing gladiolus cormlets when dug, will say that I have no practical experience, for two reasons: First, this would come at a time when the work is pressing to the utmost of our ability, and would add just that much to an already overcrowded task. Second, it does not appear to me to be an advisable method of treatment. It would necessitate the drying of the cormlets in order to prevent subsequent sprouting, and it would be somewhat difficult to determine the proper degree to be preserved for best results. The natural moisture of the cormlets, as dug from the soil, can best be assured by storing them, mixed with soil in about equal proportions, and in not too large bulk, lest heating ensue. Thus they can be kept in the best condition during the winter, and the fine soil can be sifted out at planting time, if thought best. Formerly, I was accustomed to washing the cormlets at time of planting, and this is most easily done by sifting them in a common sieve of rather fine mesh—say, No. 6—under water. Latterly, however, I have discontinued this practice, and sift only for the purpose of

removing the very small cormlets, which I do not ordinarily plant. As the result of more than a quarter of a century's experience, I have chosen the method of wintering cormlets in a mixture of fine sifted soil, as I have described above, as the best plan I know.

WILBUR A. CHRISTY.



Gladiolus Early Bird.

Color: Bright Pink.

No. We cannot see how small bulbs and bulblets of gladiolus would be injured by washing immediately after digging, if they are properly dried. We usually wait until we are through digging before cleaning and washing, but often when we have a few of some valuable sort we wash them as soon as dug, drying them on screens in a room heated by hot air. We always wash and dry all small bulbs and bulblets in this manner just as soon as we

can get at them, and we have never had any bad results.

W. K. FLETCHER.

I do not think it would be advisable to wash bulbs and bulblets of gladioli immediately after digging, for unless they were thoroughly dried they would be very apt to mould and decay. The trouble usually is with growers to get the stock harvested in a dry condition, and I certainly can see no reason for washing the bulbs.

I. S. HENDRICKSON.

I have never had any experience in washing small bulbs or bulblets of gladioli immediately after digging, except in a limited way and I have not found that with such small lots any injury was done.

ARTHUR COWEE.

Gladiolus Bulb Sorting Machine.

W. Manger & Sons, of Guernsey, Channel Islands, England, have in use a bulb sorting machine which grades the bulbs in the several sizes without ever making a mistake. The bulbs are placed upon a table which is worked by an electric motor (and which is also used to light the premises) and by a rapid motion backward and forward the bulbs are carried along the under board. This is divided into ten sections, all of which except the first are perforated with different sized holes through which the bulbs fall. The first section clears off the rubbish, the second allows the smallest bulbs to fall through, the third the next size and so on until the largest fall through the last section. To prevent the bulbs from sticking in the perforations two rollers are constantly passing backwards and forwards which move any fixed bulbs. It does the work of half a dozen employees much more carefully and effectively.

Koerner's New Gladiolus and Dahlias.

The new gladiolus Early Bird, placed upon the market this year by H. W. Koerner, Milwaukee, Wis., has proved a great favorite with all who have handled it and a prizewinner wherever exhibited, having been awarded honorable mention by the Society of American Florists at Rochester in 1910, where it also received first prize at the exhibition of the American Gladiolus Society and again won first prize at the same society's exhibition at Baltimore in 1911. All these awards were made to this variety when it was exhibited under the name of Venus, but there being a variety extant of that name, it was changed to Early Bird. It is a very early variety, being, it is stated, two weeks earlier than America in blooming. The color is bright pink, beautifully veined, towards the throat becoming lighter and tinged with salmon, with a dash of yellow on the lower petals which forms a very attractive combination. It is a fine shipper and its earliness makes it desirable for forcing.

Mr. Koerner is also distributing this year four dahlias of exceptional merit which are described as follows:

Crimson Beauty, a rich, deep crimson of the decorative type, the flowers being about five inches in diameter on long, wiry stems well above the foliage and always fully double. It is predicted that this variety will be a leader for cut flower purposes.

Golden Nugget is of a new type resembling very much in its appearance



WHITE SWEET PEAS AT POEHLMANN BROS. CO.'S, MORTON GROVE, ILL.

a chrysanthemum. The flowers are light orange-yellow in color, borne on stems 18 to 24 inches long, not quite double but with long, loose, waving petals.

Snow Storm, a pure snow white of the century type, very large and on long stems. The plants are very productive.

Cream City, a giant single of a pleasing shade of buff and a leading single for cut flower purposes.

Winter Flowering Begonias.

The following descriptions of new winter flowering begonias which were given an award of merit by the Royal Horticultural Society are from the Gardeners' Magazine, the exhibitors being James Veitch & Sons:

Exquisite.—This is a splendid addition to the winter flowering race, as it produces quite large single blooms of great beauty; these are of the pretty pink shade, heavily flushed towards the tips of the segments with rosy carmine.

Acquisition.—In this fine variety the habit of growth is excellent, and the flowers of good size; the color is pale pink, a very pretty shade.

Her Majesty.—One of the three new varieties, this gives the most distinct coloring, its large flowers being yellow, with rosy suffusion, and giving an apricot effect of great beauty.

DUNDEE, N. Y.—Debert J. Hobart, a retired florist, was stricken with paralysis January 16 and is in a critical condition.

WITH THE GROWERS

Poehlmann Bros. Co., Morton Grove, Ill.

The one magnetic point toward which all the visitors at the coming convention of the Society of American Florists to be held in Chicago next summer will be drawn, is the greenhouse establishment of Poehlmann Bros. Co. at Morton Grove, Ill., which has become renowned not only for the size of the plant, which is probably the largest devoted to the culture of cut flowers in the world, but also for the quality of the product, for at all the large exhibitions held in the west and also all shows of national character the name of Poehlmann Bros. Co. has appeared as one of the large winners of premiums. While this firm has been chiefly celebrated for its roses, carnations and chrysanthemums, for in those flowers have the large majority of premiums been secured, yet few people who have not visited this place know, that under the vast area of glass comprising 45 acres, are grown so many different crops, for here can be found growing in the highest state of perfection nearly every flower used by the florist during the year. It is doubtful if any establishment in this country, growing entirely for wholesale, houses such diversified interests, for beside the two great staples, roses and carnations, in which we are so apt to find the larger plants specializing, here are to be found in large numbers orchids, chrysanthemums, sweet peas, lilies and

lily of the valley at all seasons, bulbous stock of all kinds, including tulips, hyacinths and narcissi, stevia, mignonette, as well as asparagus plumosus in both strings and sprays and large quantities of *A. Sprengeri*. It will thus be seen that this establishment will appeal to every grower in the country, for here he will surely find the crop in which he is particularly interested grown to the best stage possible.

This place has been described so often that it would seem that everything had been fully covered, but it would take columns of space to fully write of the details of this establishment so that the reader would get a thorough insight into the methods employed, and no matter how often one may visit this plant he is sure to be impressed with some new thing which will come under his observation. Expansion has been the great word in the growth of this establishment, for year after year have been erected additions which, though they may not appear large here, would make greenhouse plants of good-sized dimensions themselves if built in individual sections. The last year's addition for example, was the erection of thirteen houses 250 feet in length by 27 feet in width, the construction of which was very fully described in *THE AMERICAN FLORIST*, issue of March 18, 1911, page 370.

Mechanically this establishment is probably as perfect as it can be made, for here are to be found all the latest appliances of proved merit that in the opinion of the proprietors would

assist either in the saving of labor or increase the quality or output, and it was with a smile that one of the employes answered the question, "If it had been difficult to keep the houses warm during the excessive recent cold spell?" "We didn't know in here that there had been any cold weather." The liquid manure tanks which cook the manure by steam before it is distributed are very interesting to all growers. The latest boilers are provided with automatic stokers fed by long coal chutes, and it was a pleasure to see the perfect system of the whole establishment, and to see how easily the directing hands of August Poehlmann at Plant A and Adolph at Plant B accomplish such a large amount of work.

To say that the crops are in a high state of perfection inadequately describes the beautiful flowers which are cut and sent to market. The carnations were bearing very heavily and the flowers were extremely large on exceptionally long, strong stems. All the leading standard varieties are grown and the novelties given a good test. Propagation is now in full swing and it takes many hands to place in the sand and pot the hundreds of thousands of cuttings that are raised, and they are all grown in pots, no flattening being known in their culture. The orchids are in prime condition and hundreds of *Cattleya Trianae* are being cut. It certainly was interesting to walk through the houses and see the various shades of color in the blooms on these plants. It almost seemed as if no two were exactly alike.

Sweet peas are being grown much more extensively, eight of the large new houses being devoted to this flower, four of them being now in full bloom and four with the vines just starting to climb which will be in bloom later. The flowers are very fine, being large and borne on 12 to 14-inch stems, many carrying three flowers. A bed of white which we illustrate was grand, and we were told it was *White Blanche Ferry* (?). Other varieties grown were *Florence Denzer*, Mrs. A. Wallace, *Blanche Ferry* and *Christmas Pink*. Thousands of lily of the valley were in different stages of growth and it was all up to the renowned Poehlmann quality. Lilies in all stages were sending forth their beautiful flowers and the large quantity for Easter were just being started. The different bulbous plants were to be seen in all stages of development, from those from which flowers were being cut to the boxes being brought in from storage.

The roses in Plant B are in splendid shape, and it is wonderful to note the controlling hand which brings house after house into successive flowering, for there are houses bearing heavily, some with strong shoots with the high colored young foliage which showed them to be in the best of health, just setting their buds to follow those that were now in flower, and the houses which had borne such a heavy cut during the holidays breaking their new eyes. All the novelties are to be seen and they are growing nicely, but it takes some little time to learn the requirements of a new rose and to have the variety adapt itself to new conditions. *Melody* was in grand shape and had produced a wonderful crop and was still in flower,

the long, pointed buds on strong, stiff stems making a grand showing. This variety seems to have made itself at home at once and it would seem it was well thought of by the large number of young plants being grown. Propagation here is also taking up lots of room and both grafted and root stock are grown by the hundred thousand, and the young plants just potted are growing luxuriantly.

It certainly well pays one to visit this place and see what energy and system can accomplish in the greenhouse. The flowers are shipped as soon as in the best condition, refrigerators being at hand to harden off the stock, to the store at 32-36 E. Randolph street, where the wholesale store of the firm is located, and here is to be seen the same perfect system in handling the stock under the management and watchful eye of John Poehlmann, who, with his able assistants, dispose of the immense output of this vast expanse of glass.

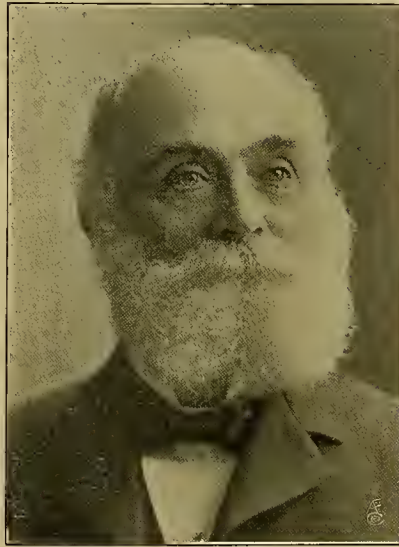
Howard & Smith, Los Angeles.

While Howard & Smith are always spoken of as a Los Angeles firm, the increasing value of land in the city has driven them to look for more open quarters, and they have been long established at Montebello, eight miles out in the clear mountain air where stock of all kinds flourishes. Fred Howard was our pilot recently around the extensive nursery, both houses and greenhouses, and though getting on towards winter there were large quantities of interesting things in flower. To cater to its immense catalogue trade this firm grows hundreds of thousands of

blooms are fine in color, produced in long spikes and excellent in every way. *Gerbera Jamesoni* again is a plant that gets a great deal of attention here, and there is a marvelous variety in the shape and color of the flowers of the hybrid forms. *Gazanias* are beautiful anywhere, but the magnificent hybrids here are like nothing in any other part of the country. It seems odd to think of such a tender plant as Fred Sander *marguerite* flowering outside at the end of November, but here it was in full beauty, showing the value of this fine novelty for cutting. It has a tendency here to revert a little to the single form, but probably that would disappear under pot culture or in less rich soil.

Climbing *Cecil Brunner* is a wonderful rose in this section. It is in growth and flower the whole time, and its flowers are slightly larger than the old form. In some places this rose is used for a stock to bud or graft indoor roses on and with considerable success. Rose growers in the east and in Europe would be astonished at the rapidity with which roses can be worked up here, and it is said that the old complaint against California grown own root roses, of going soft on arrival, can not be brought against plants budded on this and other stocks. The general collection of roses here is large and of fine varieties, but much too extensive to be more than mentioned here, only to say that the growth of the plants, both root and tops, is remarkable.

For all the largest sizes of palms grown in the lath houses, concrete pots are used—they look far neater than



William Winterson.



Mrs. William Winterson.

FATHER AND MOTHER OF E. F. AND LOUIS H. WINTERSON, WHO CELEBRATED THEIR GOLDEN WEDDING ANNIVERSARY JANUARY 28.

young stock of all imaginable varieties, but it is hardly necessary to say anything of these, as it would simply be a list. It is only fair to say, though, that healthier, more regular or finely grown stock could not be found on the Pacific coast or elsewhere, for that matter.

One of the specialties here is a strain of delphiniums that flowers practically all the year around. Winter and summer, whenever we have been here these have always been in flower and the

tin cans so freely used in this section and are cooler than the ordinary pot. And in passing it may be well to note that the use of tin cans in this section of the country is not, as eastern growers imagine, entirely a matter of cost. It has been found that some plants, eucalypti of sorts especially, do much better in them than in pots, hence their use. To return to the palms, the stock here in all sizes, from immense kentias and seaforthias to tiny cocos and others in thumb pots,

is in as fine condition as any grown under glass. The day for rusty, blackened palms here is past, and in order to keep up with the procession growers must have their stock first rate in every way, and this is the case at Howard & Smith's. Two pretty varieties must be mentioned before closing these rambling notes—one is the beautiful pure white *Tecoma jasminoides alba*, a form from which every turn of color has disappeared; the other, *Yucca radiosa*, a graceful, beautiful species with leaves as fine as those of a dasylium, of both of which there is a good stock here.

H. R. R.

Philadelphia.

BUSINESS IMPROVING.

Business the past week has shown an improvement, although the weather has been very disagreeable and bad for transient trade. The supply of flowers has fallen off, all roses being scarce and white ones particularly so. Prices for the latter advanced 25 per cent, which is unusual for the time of year. American Beauties are very scarce, much of the stock that does come in is very poor, short buds and bull-heads being very much in evidence. Carnations, while not so scarce as roses, are sold up pretty clean every day. Mrs. C. W. Ward has grown to be a great favorite and is likely to become the standard of its color, as was William Scott and Mrs. Joost in their day. All the bulbous stock that grades up is selling well. Paper White narcissus, while in demand, is always in stock everywhere as nearly every grower has it on the side and with such a supply prices rule low. Sweet peas are as staple as the carnation and large quantities are sold. The quality and variety of form and color is getting better each year. Freesia is also a great favorite and moves off nicely. Cattleyas are plentiful and a shade off in price. Gardenias often take the place of violets for the corsage and some excellent long-stemmed stock is seen. Violets have been scarce, particularly the singles, but the growers say there will soon be a steady supply. White lilac has never been finer and is much used in dinner table decoration.

NOTES.

The event of the week was the Widener dinner and dance at the Bellevue-Stratford. J. J. Habermehl's Sons were given carte blanche and the cost of the decorations was variously estimated at from six to eight thousand dollars. All of which, we hope, is true. At any rate the best was none too good—orchids, gardenias, lily of the valley, the best of all kinds of roses, particularly Killarney, lilac, violets and spring flowers were used lavishly. All around the ball room small sections or cozy corners were spaced off and decorated, each with a different treatment, that made them very attractive. Every part of the large room and balcony was elaborately dressed, the stage where the orchestra was placed was a hower of tropical plants, all the electric lights shone through pink silk feather roses. The dinner tables were all decorated differently and it must have taxed the Habermehl forces severely to get up such a variety, with the comparatively limited assortment of flowers in the market. As a whole, the decoration was very beautiful, being one of the largest in point of consumption of flowers ever given in this city and in the manner of its execution a great credit to the house of Habermehl.

All members of the Florists' Club and others of the craft must not miss the next meeting of the club on Tuesday, February 6. There is sure to be

a fine exhibition of novelties in the rose and carnation section, as well as other choice things. Aside from this feature President Vincent's address and the report of the rose and carnation meetings at Detroit from the lips of those who were there will make every minute of the meeting interesting and instructing.

Henry F. Michell Co. say their business increased 33 per cent in their new location, which, although twice as large as their old store, soon became crowded and they have been obliged to add another warehouse for storage and shipping purposes to enable them to properly handle their rapidly increasing business.

Dennis T. Connor, the Foley representative, is actively at the job and says he has several important contracts almost closed. He secured the contract for the houses for the large addition that W. A. Leonard of Lansdowne will erect as soon as the weather will permit.

Greenhouse activity, if the building of new houses may be so indicated, bids fair to keep the builders on the move the coming season. One of the "Darby Road" growers has laid in a large lot of glass, taking advantage of present low prices and quite a large addition is in sight.

The interior of the Century Flower Shop has been arranged like a street flower market, over the counters have been placed awnings and the counters divided into spaces like separate stalls from which the flowers are sold. The effect is novel and pleasing.

K.

Washington.

TRADE NOT UP TO EXPECTATIONS.

While the dealers are not complaining of the conditions of business there seems to be a general feeling that it might be better. There has been a considerable demand for decorative work, but the expectations of the early part of the season have not been quite realized. Then again, that gaunt spectre, the high cost of living, haunts every home; the weather is disagreeable and a state of unrest and dissatisfaction that is not conducive to good business is abroad. Just now the market is fairly well stocked with everything that is needed and a week or two of good sunshine would certainly bring in a surplus. There is already a good supply of roses and carnations and tulips are becoming more plentiful. The yellow narcissus is not yet on the market in great quantities but the supply is increasing. Callas, lilies, sweet peas and freesias are all in reasonable supply.

NOTES.

George H. Cooke has been having quite a rush of dinner and luncheon decorations during the past week. On January 25, at the home of Mrs. Hope Slater he executed a very fine dinner decoration entirely of azaleas. Prof. Wolters and Mme. Van der Cruyssen were the varieties used. The artistic arrangement of azaleas in a decoration is among Mr. Cooke's many qualifications for a high-class decorator. On the night of January 26 he decorated for a club dinner, the decoration being arranged to represent a hunting scene with miniature hunters on horseback. Dogs, the fox and hurdles were also a part of the plan, a wealth of choice gardenias and carnations adding color to the scene.

George Field continues to send in a good supply of orchids. A New York paper of January 28 gives a vivid description of the dangers of orchid hunting in South America. At George Field's there is no danger of being shot by Indians or bitten by snakes, so it stands to reason that it is a good place to buy. Apropos of this it

would be interesting to know if half the stories told by the orchid collectors are true, or are they the work of clever press agents?

We recently noticed at the store of the Gude Bros. Co. a number of pots of very fine white lilac, which had come from their greenhouses. Their supply of American Beauty and other roses is well kept up, likewise gardenias, carnations and the great variety of other stocks for which their range is justly noted.

J. H. Small & Sons are doing a good business at both their stores. On January 25 they executed a fine decoration at Rancher's for the dinner given by Postmaster-General Hitchcock in honor of President Taft.

Harry McCabe, son of M. J. McCabe, the Good Hope grower, was rather seriously burned in an accidental manner some time ago, but is rapidly recovering.

Chairman Hammer of the entertainment committee of the Florists' Club, has arranged for a lecture at the February meeting on insect pests.

A. F. F.

St. Paul, Minn.

The Florists of this city held a special meeting Friday evening, January 26, at O. R. Eckhardt's wholesale house to decide whether or not a flower show would be held at St. Paul November next. With one or two exceptions every florist of the city was present. The meeting was called to order by N. C. Hansen, who with a few brief remarks stated to those present the object of this meeting. F. D. Willis, superintendent of Oakland Cemetery, was elected temporary chairman and he filled the chair with credit. S. Dysinger was elected temporary secretary which also met the approval of all present. The meeting now being open, the first business in order was for all to present their views regarding a fall show. Many speeches were made and a great deal of enthusiasm was manifest and various ideas advanced. But the main object was where and how to obtain the money to successfully hold a flower show which would reflect credit on the city, and be a financial success. Finally a motion was made and carried directing the secretary to receive guarantees from those present, stating the exact amount they would contribute in cash towards holding the prospective fall flower show. After the guarantees were all received, the secretary announced the total amounted to \$3,000. Tremendous cheers poured forth from everyone present and the question was settled for we will have the fall show. The next in order was the forming of a permanent flower show organization for the purpose of preparing and conducting the show and the following officers were elected: L. L. May, president; O. J. Olson, vice-president; S. Dysinger, secretary; C. F. Vogt, treasurer. After the officers were elected Mr. Willis escorted President-Elect L. L. May to the chair and after being presented he accepted the office with a speech full of life and enthusiasm which brought forth applause from everyone present. Each officer elected took the chair with a speech pledging himself to fill the same and endeavor to co-operate so as to place on exhibition a successful show. A few committees were appointed and the meeting adjourned with a proud feeling for the evening's work which was a surprise to all present.

PASADENA, CALIF.—It is proposed to grow flowers on the city farm so as to provide against any probable shortage on New Year's day hereafter.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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A WELL-ARRANGED basket of flowers makes one of the finest valentines, and a good showing of these before St. Valentine's day is sure to meet with demand.

THE Missouri Botanical Garden announces that two scholarships will be awarded prior to April 1 and the successful candidates will be started as pupils on that date. Applications must be received by Director William Trelease, Missouri Botanical Garden, St. Louis, Mo., not later than March 1, who will furnish all necessary information.

THE preliminary list of premiums offered by the American Rose Society at the coming National Show at New York in 1913, for rose plants, has been adopted, and includes classes for climbing or rambler, polyantha, hybrid tea and hybrid perpetual roses, and gold and silver medal for novelties. Special prizes have been offered by Peter Henderson & Co., New York, for best plants of Rose Silver Moon and Dr. W. Van Fleet. Judging is to be done by the scales adopted by the society.

Correction.

The price of Boston fern clumps in the advertisement of Fred Hall, Montclair, Colo., in our last issue should have been \$30.00 per 100, a typographical error making it read \$3.00 per 100.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires: Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

To Increase Interest in Agriculture.

In order to increase the interest in agricultural pursuits the Department of Agriculture, in co-operation with the Department of the Interior and the various state and county authorities, has proposed the plan where consolidated or centralized graded schools have been established, of donating or setting aside sufficient land adjacent to these schools to permit the platting of small tracts for planting. A course in elementary agriculture is to be taught and an actual demonstration of irrigation and cultivation is to be given with prizes for the best results. The Reclamation Service will furnish free of charge the water for irrigation and the Department of Agriculture and State Experiment Station will supply seeds and instructors.

Fungine A Remedy for Mildew.

We have received the following communication from L. C. Ebel, of the Aphine Manufacturing Co., in regard to the use of fungine as a remedy for mildew:

ED. AMERICAN FLORIST:

Our attention has been called to the inquiry of "N. C. H." in your issue of January 20, as to whether there is any other remedy than sulphur for the control of mildew. Your correspondent replies that there is no other safe remedy than sulphur applied to steam pipes.

May we correct this to say that fungine is a specific remedy for the control of mildew on roses, and it is today being used by one of the leading Killarney rose growers of the country for the control of mildew on that particular plant. It is sprayed on the foliage and while its principal ingredient is sulphur, it is so treated that it leaves absolutely no stain on the foliage; in fact, many claim who use it that it benefits the foliage. In this respect it is a much cleaner material to use than the sulphur and lime and sulphur dusted on the foliage or painted on the pipes. L. C. EBEL.

American Rose Society.

Following the Detroit exhibition, the executive committee of the American Rose Society met in New York City to act upon the vote taken at the annual meeting, accepting the proposition of the National Flower Show Committee of the S. A. F. to join with them in the effort to produce in New York City a duplication of the great Boston show. The special business on hand was the preparation of the rose plant schedule. This was done by taking the plant division used at Boston and revising the same. The schedule, rules and regulations were forwarded to the national committee, thus

giving early notice to all plant growers.

New York with its diversified interests and concentrated population is different from any other city—it is the greatest consuming center on the continent. The location of the building, its size, ease of access by every line of transportation, will probably bring tens of thousands of people to see the exhibition. At the exhibition held at the Museum of Natural History two years ago, the doorkeeper stated that only one other occasion had brought out such a number of visitors. BENJAMIN HAMMOND, Sec'y.

Florists' Club of Philadelphia.

ROSE AND CARNATION EXHIBIT.

At the next meeting of the Florists' Club of Philadelphia to be held February 6, there will be held an exhibition of new roses and carnations and also of varieties now in commerce, and those disseminating novelties this year are requested to exhibit them at this meeting. Any who cannot attend the meeting in person can send their exhibits to the secretary, David Rust, Horticultural Hall, Philadelphia, Pa., who will see that they are properly cared for and staged.

The recent rose and carnation show at Detroit will be the topic for discussion and it is expected that President Vincent of the S. A. F. will be present to talk on matters pertaining to that society. Any members of the trade from other cities will be cordially welcome. DAVID RUST, Sec'y.

Chicago's Big Spring Flower Show.

The Chicago spring flower show is close at hand and many promises of exhibits have been received. The show opens March 12 in the Art Institute. Every effort has been made to reach prospective exhibitors with preliminary premium lists and letters, but it is impossible of course to reach everyone, and every florist who is interested is urged to write for literature to J. H. Burdette, Secretary, 1620 W. 104th place, Chicago.

The spring show is an experiment, and one which every florist should desire to be successful. In being admitted to the Art Institute, where art exhibitions of the highest class are held, the florists have been notably honored. No other line of industry could hope to be allowed to exhibit its wares under such auspices. The Horticultural Society appeals to the florists all over the country, but particularly in the neighborhood of Chicago, to help make the exhibition one which will do honor to horticulture and be worthy of the Art Institute.

Elmer D. Smith, Adlan, Mich., writes that he will try to send some late chrysanthemums. Peter Fisher, Ellis, Mass., promises an exhibit of Benora. Jos. Heacock Co., Wyncote, Pa., will send roses, orchids and kentias. Bertermann Bros. Co., Indianapolis, Ind.; H. N. Lown of Rhinebeck, N. Y.; W. J. & M. S. Vesey of Fort Wayne, Ind., and H. Eichholz of Waynesboro, Pa., are some of the others who have written that they will send exhibits. The final premium lists are being prepared. Write for one.

Meetings Next Week.

Buffalo, N. Y., February 6, 8 p. m.—Buffalo Florists' Club, 385 Ellicott street.
Butte, Mont., February 9.—Montana Florists' Club, Columbia Gardens.
Dayton, O., February 5, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.
Denver, Colo., February 5.—Colorado Florists' Club, T. M. A. hall, 1739 Champa street.
Detroit, Mich., February 5, 8 p. m.—Detroit Florists' Club, 112 Farmer street.
Fall River, Mass., February 6, 8 p. m.—Fall River Florists' and Gardeners' Association.
Grand Rapids, Mich., February 6.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., February 9, 8 p. m.—Connecticut Horticultural Society, County building.
Indianapolis, Ind., February 6, 7:30 p. m.—State Florists' Association of Indiana, State House.

Los Angeles, Calif., February 6.—Los Angeles County Horticultural Society.

Louisville, Ky., February 6, 8 p. m.—Kentucky Society of Florists, Third and Broadway.

Minneapolis, Minn., February 6.—Minneapolis Florists' Club, 115 North Sixth street.

Montreal, Que., February 5, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Girardin's building, 211 Sherbrooke street, west.
New Orleans, La., February 7, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., February 7.—Newport Horticultural Society.

Omaha, Neb., February 8, 8 p. m.—Omaha Florists' Club, City Hall.

Philadelphia, Pa., February 6, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce.

Pittsburg, Pa., February 6, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.

Salt Lake City, Utah, February 8.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

Seattle, Wash., February 6.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., February 6, 8 p. m.—Minnesota State Florists' Association, 510 Soelling avenue, north.

St. Louis, Mo., February 8, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Washington, D. C., February 6, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By experienced packer of cut flowers; Chicago preferred. Address Key 563, care American Florist.

Situation Wanted—By experienced salesman and designer; California or southwestern states preferred. Address Key 564, care American Florist.

Situation Wanted—German gardener and florist married, age 34, life experience, wishes position as foreman on first-class private or commercial place, J. BAUER, Chichester, N. Y., Ulster Co.

Situation Wanted—By gardener, Scotchman, 35; private place preferred, greenhouse, grounds, vegetable and flower gardens; can grow and propagate any kind of perennial flowers; state wages. Address Key 559, care American Florist.

Situation Wanted—By experienced grower of roses, carnations, chrysanthemums, pot and bedding plants; capable of taking entire charge; strictly sober; please state particulars in first letter. Address FLORIST, 7516 Third Ave., Brooklyn, N. Y.

Situation Wanted—Working foreman and manager, German, ag. 39, single, hustler, of good business education; 45 years practical experience; in roses, carnations, mums, all kind of pot and bedding plants, good designer; first-class references; please state wages. Address Key 560, care American Florist.

Situation Wanted—A head gardener, life experience in floriculture, landscaping, forcing and outdoor vegetables, forestry, and fruit, also agriculture and poultry, is open for engagement, capable of taking entire charge or as first assistant on large place. German single, age 29. Address M. L. 6510 Delmar, St. Louis Mo.

Help Wanted—At once, young man as assistant in greenhouse and lawn work; state salary expected in first letter, with board room and washing. GUSTAV H. MINX, Florist, Northern Hospital for Insane, Logansport, Ind.

Help Wanted—A competent rose grower on a commercial place near Chicago. Must have had experience with peach and pot roses. Also want an experienced palm grower. Address, Key 561, care American Florist.

Help Wanted—A good all-round man, one who thoroughly understands growing and watering; position in an eastern city; married man preferred; references. Address Key 558, care American Florist.

Help Wanted—Man, married or single, with experience in carnations, mums and bedding stock. Steady employment and good pay to the right man. G. BRUNNER'S SONS, Rosemont Ave., Price Hill Cincinnati, Ohio.

Help Wanted—At once, a competent greenhouse man for 5,000 feet of glass to grow carnations and a general line of bedding and vegetable plants. Good wages and a three room house furnished if a married man. HAMILTON NURSERIES Hamilton, Mont.

Help Wanted—Bright, wide awake young man with several years' experience for retail seed department. Reply in own handwriting, giving reference and full information regarding previous experience also stating salary expected. CURRIE BROS. Co., Milwaukee, Wis.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL Great Falls Montana.

For Sale—\$5,000 half interest in a good Seed Store and Poultry Supplies, centrally located in Los Angeles, with low rent. Or would sell all, as advertiser has other business, and good man who knows the trade will stay with it. Address, THOMAS SNOWDEN, 705 South Griffin Avenue, Los Angeles, Cal.

For Sale—Seven and three-quarter acres, six miles from heart of Kansas City, the best market in the country for either flowers or vegetables. Good macadamized boulevard in front of property. Up to date greenhouse, seventeen thousand square feet of glass, equipped with 75 h. p. boiler, steam pump, Morehead trap, good packing room, storage room and stable. Never failing water supply. Five room house with out buildings. Will sell at a bargain on account of ill health. For further particulars write owner. A. PEACHEY, South Park, Merrifield P. O. Kas.

PARK COMMISSIONER FOR TORONTO, CANADA.

Applications for the above named vacant position will be received by the undersigned. Applications should be accompanied with full particulars as to applicant's ability and experience, with testimonials, etc.

G. R. GEARY, (Mayor),
Chairman Board of Control,
City Hall, Toronto, Jan. 17, 1912.

WANTED

A landscape architect capable of making plans and a fair knowledge of nursery business. Must be a good correspondent. Apply with references.

L. L. MAY & CO., St. Paul, Minn.

FOR SALE.

Seven greenhouses, well stocked with bedding plants, carnations and general line of plants for home trade, in the city of Cleveland, Ohio. Enquire of

G. S., 10707 Orville Ave., Cleveland, Ohio

For Sale

Restaurant with stores on well known nursery grounds near Chicago. This is a splendid opportunity for a married couple, as the man can find employment in the nursery while his wife looks after the restaurant which has fifteen to twenty steady boarders. This will bear the closest investigation and will be sold for cash only. Chance of a lifetime. For further particulars, address Key 562, care American Florist.

For Sale == A Bargain.

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25 x 100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms.

Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Illinois.

LIKE A PISTOL IN TEXAS--- You will need this book bad some day, and in a hurry. Trade Directory For Names

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company
440 S. Dearborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages

Price: \$3.00 postpaid

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

VIOLETS

FOR

Valentine Day

Extra Fine Single

Princess of Wales

\$15.00 per 1000.

Large California

\$10.00 per 1000.

New York Double

\$7.50 to \$10.00 per 1000.

Home Grown Double \$12.50 per 1000.

OTTO W. FRESE, Manager.

PRICE LIST:

	Grade	A	B	C	D	E	F	G
Beauties.....	per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.50	\$ 2.00	\$ 1.50	\$ 1.25
Killarneys.....	per 100	12.00	10.00	9.00	8.00	7.00	6.00	5.00
White Killarneys.....	"	12.00	10.00	9.00	8.00	7.00	6.00	5.00
Richmonds.....	"	12.00	10.00	9.00	8.00	7.00	6.00	5.00
My Maryland.....	"	12.00	10.00	9.00	8.00	7.00	6.00	5.00
Perle.....	"	12.00	10.00	9.00	8.00	7.00	6.00	5.00
Maids.....	"	10.00	9.00	8.00	7.00	6.00	5.00	4.00
Brides.....	"	10.00	9.00	8.00	7.00	6.00	5.00	4.00
Carnations.....	"	4.00	3.00	2.00	1.50			
Rubrum Lilies.....	"	8.00	6.00	4.00				
Easter lilies.....	"	12.50	10.00					
Orchids, Cattleyas.....	per dozen	6.00	5.00	4.00				
Lily of the Valley.....	per 100	4.00	3.00	2.00	1.50			
Violets, Princess of Wales.....	"	1.00						
single and double.....	"	.75						
Sweet Peas.....	"	1.00	.75	.50				
Mignonette.....	"	6.00	4.00					
Romans.....	"	3.00	2.00					
Narcissus.....	"	4.00	3.00					
Tulips.....	"	4.00	3.00					
Jonquills.....	"	4.00	3.00					
Daisies.....	"	1.00						
Asparagus Plumosus Sprays.....	"	4.00	3.00	2.00				
Asparagus Sprengeri Sprays.....	"	3.00	2.00					
Mexican Ivy, \$5.00 per 1000.....	"	.60						
Smilax.....	"	12.50	10.00					
Adiantums.....	"	1.00						
Galax, Green or Bronze.....	per 1000	1.00						
Ferns.....	"	2.00						
Boxwood, 50-lb. case \$6.00.....	bunch	.25						

Milwaukee.

ROSES SCARCE.

With the continuance of dark weather the market conditions remain practically the same with the exception of the bulb stock, such as tulips and daffodils, which are commencing to come in more freely. Lilies are of fine grade and are selling well. Violets have suffered somewhat for the past few weeks but are beginning to sell again. The demand for McKinley day was not exceptionally strong, there being plenty of colored stock to supply all orders, the larger demand being as usual, for the light colored stock. Roses are a very scarce article and are cleaning out daily and bringing a good price. There are green goods enough to fill all orders.

NOTES.

Holton & Hunkel Co. are cutting some fine Killarney roses, but like all the other rose growers in this section, they find they could use many more to supply the orders received. The other crops are doing finely and the store trade is very satisfactory.

G. Rusch & Co. report having had a considerable amount of shipping trade the past week. This firm is receiving some fine lilies which are being disposed of readily.

Edlfsen-Leidiger Co. report business good, having had more than their share of funeral work for the past two weeks, which has kept them busy.

The Olympia, formerly owned by Nohos & Co., has been purchased by the Chimekas Bros., who will continue the business as before.

C. C. Pollworth Co. is cleaning up daily the large shipments of stock which they are receiving and are well pleased with business.

Ambrose Sonnenberg of the Sonnenberg Co., was married on Wednesday, January 24, to Miss Ella Tews.

A. B. Loofbourow is more than pleased with business for the past two weeks.

The bowling scores this week were:

Zweifel ..133	135	151	Currie ..138	163
Gutbrod ..227	139	179	Hare ..118	117 128
Hunkel ..110	127	114	Kellner ..168	135
Halliday ..150	122	137	Nohos ..199	155
Manos ..136	140	140	Leitz ..144	116
Rusch ..188	147		Schmitz ..132	142
Pohl ..167	108	123		

G. R.

St. Louis.

FLOWERS VERY SCARCE.

The past week has been a very busy one for the florists, the demand has been large and everything sold quickly, stock of all kinds being scarce. Graduating exercises, the second Imperial ball and funeral work kept everything sold up clean. The only thing on which the prices dropped was violets.

NOTES.

A meeting of the officers of the St. Louis Florists' Club was held last week at the residence of J. J. Beneke. All were present and an enjoyable evening was spent. The object of the meeting was to formulate plans to make the meetings interesting for the members. The following programme was proposed and adopted: February meeting, discussion on pot-grown roses, by W. C. Young, F. A. Weber, C. E. DeWever and Jules Bourdet; March meeting, Easter plants by G. B. Windler, John Held, C. C. Sanders and E. Schray; April meeting, summer cut flowers by E. W. Guy, Chas. Hecht, I. J. Fillmore and W. J. Pilcher; May meeting, relations of the retailer, wholesaler and grower by J. F. Ammann, Otto Sander, W. C. Smith and A. S. Halsted; June meeting, relative value of overhead and sub-irrigation by C. E. DeWever, Jules Bourdet, G. Grossart and P. Schindler; July meeting, chrysanthem-

U S Budlong's E Blue Ribbon Valley.

mums, cut flowers by H. Emmans; pot plants by Carl Beyer, assisted by C. C. Sander, J. Held, H. C. Irish and A. H. Ahner. W. F.

Otto G. Koenig's resignation as secretary of the Horticultural Society has been accepted. An early meeting will be held to adjust affairs and straighten matters up. There has always been a bad feeling, and if they had joined with the Florists' club it would have been another story. An association of this kind must be upheld by florists and there should be no animosity between the members.

C. Young & Sons Co. had the second annual Imperial ball. The decorations were beautiful and expensive.

Harry Young & Son is building up a nice trade. J. P. Gadd, the designer, is up to date and doing all he can to help the place.

INDIANAPOLIS, IND.—The State Florists' Association of Indiana met in this city January 18 and elected the following officers: George R. Gause, Richmond, president; Charles G. Pahud, Indianapolis, first vice-president; M. A. Barrick, Seymour, second vice-president; Herman Junge, Cumberland, secretary; Homer L. Wiegand, Indianapolis, treasurer. A display of carnations was staged at the convention and in the evening a banquet was held.

ANNOUNCEMENT

I wish to inform the trade that I have purchased Mr. Sperry's interest in the Vaughan & Sperry store, and will hereafter conduct the business under the firm name of A. L. Vaughan & Co. Our aim is to give you the best stock obtainable at the lowest market prices and to so satisfy you that you will not think of buying elsewhere. Long years of personal experience in filling out-of-town orders enables us to supply you with the choicest of flowers from the best growers in this section of the country. You will find it to your interest to give us a trial order. Do it now. To-day.

WE ARE STRONG ON

Beauties, Roses, Carnations, Valley, VIOLETS, GREENS, and Seasonable Bulb Stock.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.			Per 100
Long stems		\$ 5 00	Carnations, common		\$2 00 to \$3 00
30 to 36-inch stems		4 00	" fancy		4 00
20 to 24-inch stems		3 00	Cattleyas	per doz.,	\$5 00 to 6 00
18-inch stems		2 00	Jonquils		3 00 to 4 00
12 to 15-inch stems		1 50	Tulips		3 00 to 4 00
Shorts		1 00	Valley		3 00 to 4 00
			Violets		50 to 1 00
			Paper Whites and Romans		3 00 to 4 00
			Sweet Peas		75 to 1 25
White Killarney	Special	\$15 00	Smilax	per doz.,	\$1 50 to \$2 00
Killarney	Fancy	12 00	Asparagus Strings	each,	75c
Maryland	Medium	8 00 to 10 00	Asparagus Plumosus	per bunch,	25c to 50c
	Short	6 00	Fancy Ferns	per 1000,	\$2 00
Richmond	Special	15 00	Wild Smilax	per case,	\$5 00
" Fancy		12 00	Boxwood	per lb., 25c; 50 lbs.,	7 50
" Medium		8 00 to 10 00	Mexican Ivy		75
" Short		6 00	Galax, green and bronze	per 100,	\$1 00
			" " "	per case,	\$7 50
ROSES, our selection		per 100, \$6.00	Bronze Magnolia Leaves	per hamper,	\$2 25
Lilies	per doz.,	\$1 50 to \$2 00			
Callas	per doz.,	1 50 to 2 00			

A. L. VAUGHAN & CO.

Long Distance Phone
Central 2751.

161 N. Wabash Ave., CHICAGO.

LILIES

LARGE PERFECT FLOWERS, LONG STEMS, \$12.00 PER 100.
FANCY SELECT BEAUTIES—the prize winners.

Current Price List: Subject to market changes.

American Beauties

Specials, 48-inch stems and over.....	Per doz.	\$ 5.00
30 to 36-inch stems.....		\$3.00 to 4.00
24-inch stems.....		2.00 to 2.50
15 to 20-inch stems.....		1.50
12-inch stems.....		1.00

Carnations

Extra fancy red (Bassett).....	Per 100	\$4.00
Extra long fancy white.....		4.00
Extra long fancy Enchantress.....		4.00
Winsor.....		3.00

Bulb Stock

Harrish Lilies..... per doz., \$1.50; per 100	Per 100	\$12.00
Narcissus Paper White, per 100.....		3.00
Roman Hyacinth, fancy long.....		3.00
Lily of the Valley, per 100.....	3.00 to	4.00

Select Pink and White SWEET PEAS, per 100.....\$1.00

We Are Growers of All the Stock We Sell and Guarantee It to Be Strictly Fresh.

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave. Chicago.

Greenhouses: Hinsdale, Ill.

Roses

Rhea Reid, Richmond, Pink Killarney,
 White Killarney and Perle.

Specials extra long.....	Per 100	\$10.00 to \$12.00
Medium.....		8.00
Short.....		5.00 to 6.00

Greens

Asparagus, sprays, per 100.....	Per 100	3.00 to 4.00
Sprengeri, per 100.....		2.00 to 3.00
Ferns, per 1,000.....		2.00
Smilax, per doz.....		2.00
Adiantum, per 100.....		1.00 to 1.50
Galax, green, per 1,000.....		1.00
Galax, bronze, per 1,000.....		1.00

Chicago.

GOOD STOCK RATHER SCARCE.

There has been considerable change in the market during the last week for the retailers have been quite busy, having a good transient trade and also a large number of functions at which decorations were arranged and the receipts have not materially increased. The days have been cloudy, there having been but a small amount of sunlight and temperatures have been low, which has made the production of flowers rather slow, so the receipts have consequently been comparatively small, especially in roses. American Beauty of the long-stemmed grade are in good supply but there is a shortage in the medium and short-stemmed stock, and many of the blooms are showing the effects of the unsatisfactory weather conditions. Killarney and White Killarney are sold and shipped about as soon as they are received and Richmond is beginning to go off crop after the cut which the growers had during the holiday season. Carnations are in good crop and of excellent quality, but with the small receipts of the cheaper grades of roses they find an excellent market and the prices on the best have had an upward tendency. Bulbous stock is beginning to be quite plentiful and of good quality. In tulips there are to be seen La Reine, Yellow Prince, Coleur Cardinal, Proserpine, Belle Alliance and Kaizerkroon. In narcissi beside Paper White and Orange Phoenix in the polyanthas there are Trumpet major, Golden Spur and the first Von Sion were seen this week. The boxes and pans of tulips are displayed in the retail windows and are having a good call. Violets are quite plentiful and the quality is very good. Lily of the valley is quite plentiful, the extra demand of a few weeks ago evi-

dently causing the growers to increase the quantity grown, for the call has kept up well. Lilies are of superb quality, some extra fine blooms being seen and the quantity is a little larger than during last month. Orchids are in good supply, the low prices at which they were offered last week was quickly taken advantage of by the retailers and some elegant displays were made and they were generally used wherever possible. The demand was so good that before the end of the week the prices were advanced. Freesia is of excellent quality and some extra quality mignonette is being shown. Greens are in good supply but the call is heavy and prices hold well. There is a shortage of moss, none of the dealers having a large supply and some of the retailers are using excelsior and other material to stuff their frames.

NOTES.

The new store of "Weilands, Inc.," at 15 East Washington street, is now in the hands of the contractors, who are remodeling and placing it in a first-class condition. The store, which has 1,600 square feet of floor space, will be beautifully equipped with marble top counters, an Orr & Lockett refrigerator and other necessary articles. It is expected that the store will be open for business about March 1.

Poehlmann Bros. Co.'s new store on the second floor of the building at 72-74 East Randolph street, is nearly ready for occupancy and the firm expects to move in in the very near future. The store, 40x168 feet, is being equipped along modern lines, so that the stock can be handled to the best advantage.

Paul M. Bryant, E. H. Hunt's hustling manager, has returned from a most enjoyable visit to Milwaukee, Wis. His frequent trips to the Badger



American Beauties,
 Roses,
 Carnations,
 Orchids, Gardenias,
 Valley, Violets,
 Daisies, Lilies, Etc.
 Greens.

At lowest market rates

Weiland & Risch

154 N. Wabash Ave.,
 CHICAGO.

Mention the American Florist when writing



Mention the American Florist when writing

state are causing some of his friends to believe that there is some attraction in the Cream City.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone CHICAGO, ILL.
Randolph 35

SPECIAL PRICE ON ORCHIDS

(Cattleyas)

By the Hundred

\$30.00 to \$35.00

CURRENT PRICE LIST

AMERICAN BEAUTIES.		Per doz.			Per 100
Long Special		\$5.00 to \$	6.00		\$12.00 to \$15.00
36-inch			4.00		
30-inch			3.00		
24-inch			2.00		
15-inch to 20-inch			1.50		
12-inch			1.00		
Short Stem, per 100		\$4.00,	6.00		
RICHMOND, select			Per 100		
Fancy			\$15.00		
Medium		\$8.00 to	10.00		
Good Short			6.00		
PRINCE DE BULGARIE, extra select.			\$20.00		
Select			15.00		
Medium		\$10.00 to	12.00		
KILLARNEY, select			\$15.00		
Fancy			12.00		
Medium		\$8.00 to	10.00		
Good Short			6.00		
MRS. AARON WARD, extra.			\$15.00		
Select			12.00		
Medium		\$8.00 to	10.00		
MY MARYLAND, select.			\$15.00		
Fancy			12.00		
Medium		\$8.00 to	10.00		
Good Short			6.00		
WHITE KILLARNEY, select.			\$15.00		
Fancy			12.00		
Medium		\$8.00 to	10.00		
Good Short			6.00		
PERLE, long			\$ 8.00		
Medium			6.00		
Short			4.00		
MELODY, long					Per 100
Medium					\$12.00 to \$15.00
GOOD SHORT STEM ROSES.					
Our selection				5.00 to	6.00
Our Extra Special Grade Roses charged accordingly.					
CARNATIONS, fancy					Per 100
"	first quality				\$ 4.00
"	splits				3.00
ORCHIDS, Cattleyas, per doz.			\$4.00 to \$5.00		
HARRISII, per doz.			\$2.00		12.00
NARCISSUS PAPER WHITE.					3.00
ROMANS				2.00 to	3.00
VALLEY				3.00 to	4.00
VIOLETS, double.				.75 to	1.00
VIOLETS, single, Princess of Wales.				.75 to	1.00
MIGNONETTE, large spikes.				6.00 to	8.00
FREESIAS				3.00 to	4.00
JONQUILS					3.00
STEVIA					2.00
TULIPS PROSPERINE					4.00
SWEET PEAS				.75 to	1.00
ADIANTUM, short					.75
ADIANTUM CROWEANUM, fancy.					1.00
SMILAX per doz.,			\$2.00		
SPRENGERI PLUMOSUS SPRAYS.				3.00 to	4.00
PLUMOSUS STRINGS.				each, 60c	
FERNS				per 1,000,	\$2.00
GALAX				per 1,000,	1.00
LEUCOTHOE					.75
BOXWOOD, per bunch.					.25c
BOXWOOD, per case.					\$0.50
WINTER BEURRIES, large case.					2.50
MEXICAN IVY.				per 1,000	6.50

**POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES**

We make these a specialty.
Can supply them all the Year.
Once tried you will have no other

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

CARNATIONS

LARGE QUANTITIES OF EXTRA FINE RED, WHITE and PINK.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

Per Dozen		Per Dozen	
60-inch stems	} \$5 00	24-inch stems	.....\$3.00
48-inch stems		20-inch stems	..... 2.50
36-inch stems	} 4.00	15-inch stems	..... 2.00
30-inch stems			

Killarney.

	Per 100
Extra special	.....\$12.00
Selects	..... 10.00
Fancy	..... 8.00
Medium	..... 7.00
Good	..... 6.00
Short stems	..... 5.00

Richmond

	Per 100
Extra special	.....\$15.00
Selects	..... 12.00
Fancy	..... 10.00
Medium	..... 8.00
Good	..... 6.00

Jardine

	Per 100
Select	.....\$10.00
Fancy	..... 8.00
Good	..... 6.00

White Killarney

	Per 100
Extra specials	.....\$12.00
Selects	..... 10.00
Fancy	..... 8.00
Medium	..... 7.00
Good	..... 6.00
Short stems	..... 5.00

Uncle John

Select	.....\$ 8.00
Fancy	..... 6.00
Good	..... 4.00

Roses, our selection - - - \$5.00

Carnations,

Special	.....\$4.00
Fancy	..... 3.00
Good	..... 2.00

TULIPS.....\$1.00 to 4.00

FERNS, per 1000, \$2.00. SMILAX, per doz., \$1.50 to \$2.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per 100, \$2.00 to \$3.00.

ASPARAGUS SPRAYS, per 100, \$2.00 to \$3.00.

P. W. Peterson called on several of the greenhouse manufacturers here this week in the interest of the J. D. Thompson Carnation Co. of Joliet, who expect to enlarge its plant this season. Mr. Peterson says that the vacant space between the single houses will be filled in, in addition to the other plans that his company has in view.

The Chicago Carnation Co. is certainly cutting a fine grade of carnations and the stock seen at the store this week was of such high quality that it would easily win a prize if it was exhibited at this time. The Herald and Washington are doing nicely and promise to be heard from more and more in the future.

Fred Lantenschlager has returned from a business trip to Wisconsin and Michigan in the interests of Kroeschell Bros. Co. this week. He says that the boiler business is very good and that his firm has filled telegraph orders from Ohio, Kentucky, Pennsylvania, Mississippi, Minnesota and Wisconsin this month.

The Chicago Flower Growers' Association is receiving a large supply of single and double violets and is going to be particularly well fixed on these flowers for St. Valentine's day. Otto W. Frese says the demand for stock is on the increase and that business is picking up considerably.

The Geo. Wittbold Co., at Edgebrook, is having a good call for bedding plants and is offering something choice in coleus, salvias, marguerites, achyranthes and Gnaphalium lanatum. This firm has a fine lot of lilies and will soon be cutting heavily in these flowers.

Frank Johnson and M. A. Leganzer of the A. L. Randall Co. are back from a successful eastern business trip. The supply department is having a special sale in prepared magnolia leaves this week and large quantities are sold daily.

George Reinberg is planning on putting up a block of flat buildings this year on Foster avenue opposite the new city park which was laid out last year. This is an ideal location and flats in this vicinity are bound to bring a good rental.

The Brant & Noe Floral Co., 5744 Brantwood avenue, is cutting some choice carnations in all the leading varieties. This firm has for the past 19 years been making shipments of stock to the retailers direct from the greenhouses.

Wietor Bros. are filling a large number of orders for rooted carnation cuttings from the best stock that the firm has ever offered. Business in general so far this season has been satisfactory and far ahead of last year.

N. J. Wietor was well pleased with the test that he gave his new auto last Sunday and was convinced that the manufacturer was right when he said it travels like a cyclone.

The Northwestern Floral Co. is shipping a fine grade of carnations in all the leading varieties to Kyle & Foerster's store where they are meeting with very ready sale.

The John C. Moninger Co. is now offering a pneumatic watering system and would be pleased to furnish particulars to all parties interested upon application.

The Goodyear Tire Co. presented each of the automobile show exhibitors

U S Budlong's E Blue Ribbon Valley.

with an azalea January 31, John Mangel supplying about 200 of the plants.

George Fisher and wife have returned from Kalamazoo, Mich., where they attended H. A. Fisher's wooden wedding celebration on January 28.

H. Van Gelder, of Percy Jones, had a big day on January 27, when several large orders for carnations for McKinley day were filled.

J. B. Deamud was called to Cairo, Mich., on January 29 by the serious illness of his father, who resides in that city.

Weiland & Risch will strike it lucky with their gardenias, for they will be in full crop for St. Valentine's day.

Kennicott Bros. Co. is going to install a new ice-box and expect to have it in readiness for the peony season.

Henry Smith, the well-known florist of Grand Rapids, Mich., was a most welcome visitor here this week.

The J. B. Deamud Co. is booking orders for Chicago-grown and eastern violets for St. Valentine's day.

C. L. Young, of C. Young & Sons Co., St. Louis, Mo., was in the city on business this week.

F. G. Hunt, of Hunt Bros., is laid up with an injured back. Too much coal shoveling.

Fletcher James is the proud papa of a bouncing baby girl.

PETER REINBERG, CHICAGO

30 E. Randolph St.,

Beauties, Killarneys and Carnations.

QUANTITY LARGE. QUALITY BEST.

CURRENT PRICE LIST.

AMERICAN BEAUTIES		Per doz			Per 100
Extra long.....		\$ 5 00	MRS. MARSHALL FIELD, Special.....		\$10 00
36 inch stems.....		4 00	Select.....		8 00
30 inch stems.....		3 00	Medium.....		6 00
24 inch stems.....		2 50	Short.....	\$ 4 00 to	5 00
20 inch stems.....		2 00	PERLES, Special.....		10 00
15 inch stems.....		1 50	Select.....		8 00
12 inch stems.....		1 00	Medium.....		6 00
Shorts.....		75	Short.....		5 00
RICHMONDS, Special.....		Per 100	Roses, our Selection.....		5 00
Select.....		\$12 00	Carnations, Fancy.....		4 00
Medium.....		10 00	" Good.....		3 00
Shorts.....	\$ 5 00 to	6 00	Harrisii Lilies.....per doz.,	\$1 50 to	\$2 00
KILLARNEY, Special.....		\$12 00	Valley.....	3 00 to	4 00
Select.....		10 00	Violets.....	75 to	1 00
Medium.....		8 00	Sweet Peas.....		1 00
Short.....	5 00 to	6 00	Paper Whites.....	3 00 to	4 00
WHITE KILLARNEY, Special.....		\$12 00	Tulips.....	3 00 to	4 00
Select.....		10 00	Romans.....	3 00 to	4 00
Medium.....		8 00	Asparagus, bunch.....		2 00
Short.....	5 00 to	6 00	" strings.....	60c to	75c each
MY MARYLAND, Special.....		10 00	" Sprengeri.....		2 00
Select.....		8 00	Smilax.....	1 50 to	2 00
Medium.....		6 00	Mexican Ivy.....		75
Short.....	4 00 to	5 00	Galax, bronze and green...per 1000,	\$1 00	
SUNRISE, Select.....		10 00	Leucothoe Sprays.....		75
Medium.....		8 00	Boxwood, per bunch.....	25c	
Short.....	5 00 to	6 00	Ferns, per 1000.....	\$2 00	

At a farewell reception given in honor of Mrs. A. L. Brand in the Florentine room of the Congress hotel, A. Lange executed a very pretty decoration. There were 156 corsages made of the different flowers, six and eight of each kind being arranged. They were made of violets, hyacinths, gardenias, sweet peas, Sunrise, Mrs. Aaron Ward, My Maryland and Killarney roses, carnations, pansies and freesia all made up with beautiful accessories.

Bassett & Washburn are cutting a very large quantity of lilies, and some extra fine blooms can be seen at the store this week. The quality is much better than in former years, due probably to the fact that the bulbs were selected for them by a personal friend who deals largely in this class of goods.

The Killarney roses that Wendland & Keimel are cutting are of the first quality and have splendid color, foliage and stem. The entire output of this firm's large plant is consigned to the E. C. Amling Co.'s store on East Randolph street where it is meeting with ready sale.

Mrs. W. P. Kyle was taken to the Henrotin Memorial Hospital on January 26 and was successfully operated upon the day following. Mr. Kyle informs us that her condition is improving and that an early recovery is looked for.

A. L. Vaughan & Co. are receiving a good supply of roses and carnations in addition to a full line of bulbous stock. Business this week has been very good and promises to continue so.

Guy M. Reyburn of A. Henderson & Co. is back from a western trip and will make the local office his headquarters for the next six weeks.

Some of the local florists are using hay and excelsior in their work during the scarcity of sphagnum moss.



ORCHIDS

and All Other Desirable Flowers For Valentine Day.

A fine stock of Cattleyas, Gardenias, Sweet Peas, Assorted Orchids, Valley, Violets, Beauties, and all fancy flowers always on hand. Decorative stock and supplies of all kinds.

Send for Price List.

CHAS. W. MCKELLAR
162 N. Wabash Avenue,
CHICAGO.

BRANT & NOE FLORAL CO.

Grows Carnations Only. Nineteen years of direct shipments from greenhouses to retailers, at reasonable prices, is the cause of so many long satisfied customers.

We Know Our Business and do everything in our power to please. Send your orders. Get as good as the best, at first cost affording you a profit with patrons seeking your store again and again.

Write or Wire **BRANT & NOE FLORAL CO., 5744 Brantwood Ave., CHICAGO.**

J. A. Budlong is cutting a fine grade of lily of the valley and is filling a large number of orders with his famous blue ribbon brand.

E. E. Benthley, who is helping out at Kyle & Foerster's store at present will enter the employ of Johnson & Chronsis next week.

"The Busiest House in Chicago"

**Fancy Chicago Grown Violets.
Choice Eastern Violets.**

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO.

Ed. Winterson Co., 166 N. Wabash Ave.,
CHICAGO

Consignments Solicited.

Wholesale Cut Flowers and Green Goods.

Mr. and Mrs. William Winterson celebrated their golden wedding anniversary at their home at 323 N. Oakley boulevard last Sunday, January 28. They were married in Bristol, England, in 1862, and came to this city more than forty years ago. The anniversary was happily celebrated by a family reunion and three generations were represented. Twelve children, J. Winterson of Tacoma, Wash., and E. F. Winterson, L. H. Winterson, T. B. Winterson, Willie Winterson, Harry Winterson, Mrs. W. Peck, Mrs. H. M. Clark, Mrs. James Marshall, Mrs. Alfred Freeman, Miss Jane Winterson and Miss Harriet Winterson were present. Mr. and Mrs. Winterson were the recipients of many costly presents from a host of friends and acquaintances who sincerely trust and hope that they may live to celebrate their diamond wedding and that the occasion will be as happy an affair as that which was celebrated last Sunday.

J. M. Thompson, who has been more or less identified with the J. D. Thompson Carnation Co., of Joliet, died a few weeks ago, and to our knowledge no mention of it was ever made in any of the trade papers. He was well along in years and never knew what it was to be sick until he recently caught cold and from which he never recovered. He was popular with all who knew him and leaves a large number of relatives and friends to mourn his loss.

A friend of C. E. Gullett's, of W. H. Gullett & Sons, of Lincoln, informs us that he was in the city this week on a shopping expedition in company with a charming young lady and that the automobile show and the theatres were visited after which the happy couple partook of a luncheon for two at the College Inn. If A. C. B. of Springfield does not act quick he will soon learn that he is the sole survivor of the bachelor's club of the Illinois State Florists' Association.

John E. Hopley, whom President McKinley appointed to a South African consulate, had a large quantity of carnations distributed to all who passed by the Willard Hall, Monroe and La Salle streets, on January 29 when the Moody Institute turned its activities to the observance of McKinley day. It was the anniversary of the martyred president's birth and

the carnation, as is well known, was his favorite flower.

A. T. Pyfer has received a letter from W. C. Hodgen, industrial agent of the Joliet Commercial Club, in which the writer states that his organization will be pleased to have the Illinois State Florists' Association meet in their city and that they are welcome to use the Masonic Temple without expense as a meeting place on the dates of its convention. Thanks! Mr. Hodgen.

C. L. Washburn, C. Loveridge of Peoria and J. F. Ammann of Edwardsville, president, vice-president and secretary of the Illinois State Florists' Association, are planning on attending the meeting of the local Florists' Club tonight and will extend an invitation to all members to attend the next annual convention of their society which will be held at Joliet on March 5-6.

A very handsome seedling carnation was received by the Chicago Carnation Co. last week from the Decorah Greenhouses, Decorah, Ia. It was a dark wine of good size and fine stem, and the color was particularly beautiful under electric light. W. T. Symonds, the proprietor, wrote that it was a grand producer and he thought it showed great promise.

Do not forget the Florists' Club meeting at the Union restaurant Thursday evening, February 1, when the officers elected at the last meeting will be installed in their respective chairs.

Chas. W. McKellar is receiving a large quantity of choice orchids, lily of the valley, violets, sweet peas and other desirable flowers for St. Valentine's day.

R. Karlstrom, representing W. A. Manda, Inc., South Orange, N. J., is calling on the trade here this week.

Visitors: Wm. Fenniger, Toledo, O.; Chas. Schwake, representing the corporation of Chas. A. Meyer, New York; Louis Bastings, of the Chapman-Dillin Co., Minneapolis, Minn.; Wm. Burt, Jackson, Mich.; H. A. Fisher, Kalamazoo, Mich.; W. R. Newman, Alton.

NEW YORK.—The Harlem Floral Co. has leased the store and basement at 56 East One Hundredth and Twenty-fifth street.

U S Budlong's
E Blue Ribbon Valley,

SPHAGNUM MOSS

Clean Stock, 12 bbl. bale, \$3.50
Green Moss, in bbls., \$1.00 per bbl.

JAMES DAY, Milford, N. H.

Lake Forest Horticultural Society.

OUTING TO MORTON GROVE, ILL.

The Lake Forest Horticultural Society received an invitation to visit the Poehlmann Bros. Co.'s establishment at Morton Grove, January 24, and a large number of members availed themselves of the opportunity to witness things done in the best possible manner on the largest scale.

System is the word to conjure with these times, and it is a revelation to find how well it is carried out in this gigantic plant. Not an emergency but what is provided for, not a detail but has been worked out or a good and reasonable answer given for every cultural operation in reply to the many questions asked. The visitors could discover no secrets, but did gather a fund of information that will make food for thought for years to come, and all felt well repaid, and appreciated the kindness of Messrs. Poehlmann for the courtesy extended them.

SYRACUSE, N. Y.—A meeting of the Syracuse Rose Society was held January 11, and a proposition to form a state federation of florists' clubs was discussed. John R. Clancy and Earl A. Bates were appointed delegates to the proposed federation, and to urge this city as a site for the convention. Dean Bray delivered an illustrated lecture on "Forestration in the Southwest," and a committee was appointed to prepare a list of nominations for the several offices to be elected at the next meeting.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House,

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Everything in Cut Flowers and Supplies.

Special offer in Supply Department this week. Choice Prepared Magnolia Leaves, \$1 50 per hamper.

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We will have anything in the line of

CUT FLOWERS and GREENS

that you may want if anybody has it at
Chicago market prices on day of shipment.

Mention the American Florist when writing

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THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

88-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Chicago Bowling.

The following table shows the number of games won and lost by each team to date:

Won	Lost	Won	Lost
Orchids .....31	11	Roses .....17	25
Carnations ..20	22	Violets .....16	26

Individual and team scores for games played Wednesday, January 24:

Carnations.		Roses.	
Lorman ..165	140 142	Stack .....149	153 133
Ayres ..167	131 153	Welsh .....125	112 172
Winterson 123	121 133	Hrudka ..115	113 113
Balliff ..162	211 186	Wolf .....120	110 162
A. Zech ..144	172 179	Fischer ..136	189 165
Totals ..761	825 803	Totals ..645	683 745
Violets.		Orchids.	
Schl'ssm'n 117	123 107	Zech .....156	95 166
V'n Gelder.169	158 192	Graff .....151	207 187
Simons ..137	136 102	Krauss ..142	157 155
Pupont ..158	127 192	Farley ..172	150 190
Sweeney ..146	123 172	Huehner ..161	171 172
Totals ..727	667 765	Totals ..782	730 850

J. A. BUDLONG

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ROSES, VALLEY
and CARNATIONS
A Specialty.....

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GROWER OF

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Geo. Reinberg

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Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO Jan. 31,	Per doz.
Roses, Beauty, specials.....	5 00@ 6 00
" " 36-in.....	4 00
" " 30-in.....	3 00
" " 24-in.....	2 00
" " 20-in.....	1 50
" " 18-in.....	1 00
" " 12 in.....	75
" " Short.....	Per 100
" Killarney.....	4 00@ 6 00
" White Killarney.....	4 00@15 00
" Richmond.....	4 00@15 00
" Prince de Bulgarie.....	10 00@20 00
" Mrs. Aaron Ward.....	10 00@20 00
" My Maryland.....	4 00@15 00
" Perle.....	4 00@ 8 00
" Melody.....	8 00@15 00
" Bride.....	4 00@15 00
" Bridesmaid.....	4 00@15 00
" Uncle John.....	6 00@ 8 00
" Mrs. Jardine.....	4 00@10 00
" Mrs. Marshall Field.....	4 00@10 00
Carnations.....	2 00@ 4 00
Bouvardia.....	4 00@ 5 00
Gardenias.....	4 00
Cattleyas..... per doz.,	4 00@ 6 00
Oncidium.....	5 00
Vanda Cœrulea..... per doz.,	3 00
Lilium Harrisii..... per doz.,	1 50@2 00
Mignonette.....	6 00@ 8 00
Paper Whites.....	3 00
Romans.....	2 00@ 3 00
Stevia.....	2 00
Sweet Peas.....	75@ 1 00
Freecias.....	3 00@ 4 00
Tulips.....	3 00@ 4 00
Valley.....	3 00@ 4 00
Jonquilla.....	3 00
Violets, Single.....	75@ 1 00
" Double.....	75@ 1 00
Adiantum Crowcanum.....	1 00
Boxwood..... per bunch,	25
Fern..... per 1000,	2 00
Galax bronze.....	1 00
" green.....	1 00
Leucothoe.....	75
Mexican Ivy.....	75
Plumosa String..... each,	50@ 60
Smilax..... per doz.,	1 50@2 00
Sprengerl. Plumosa Spraya.....	3 00@ 4 00
Winter Berries..... per case,	1 50@ 5 00

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

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All telegraph and telephone orders given
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Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

Rooted Carnation Cuttings of Mrs. C. W. Ward and Alma Ward

\$3.50 per 100; \$30.00 per 1000. Delivery Feb. 1.

Both varieties are too well known to require any description. Most growers who bought cuttings last spring are growing them successfully. The flowers continue to be in favor with the retail trade and command the best prices. Also almost all the Commercial Varieties on the market today.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

**GOLDEN SPUR
YELLOW TULIPS**

Best on the Market

THE McCALLUM CO. Inc.
Pittsburg Cleveland

C. E. CRITCHELL
34-38 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies
Cleveland.

STOCK SHORT OF THE DEMAND.
Stock has been short the entire past week, everything being sold out clean nearly every day, and the late buyers found it hard picking. Daffodils are coming in in larger supply and the stock is exceptionally good. A good quality of freesia is being received. Stevia, Roman hyacinths, and Paper White narcissus still hang on and help wonderfully. Tulips, La Reine and Prosperpine are good and plentiful, and sweet peas are arriving in larger supply. Violets and lily of the valley are in better demand. Adiantum and asparagus are abundant, lilies are a trifle shy and callas clean up daily. Roses of all kinds and grades are short of the demand, particularly White Killarney and Richmond and Mrs. Aaron Ward is short of the call. Lupines and mignonette are received in limited quantities and also a few calendulas. Carnations are most in request and although the growers are sending them in in large quantities, they fall far short of the demand, and prices have advanced a little. C. F. B.

Boston.

JANUARY A DULL MONTH.

The market drags somewhat. Roses are off crop and for that fact they are moving fairly well, especially American Beauty and Richmond, a warm December and cold January is what tells the story. Carnations are getting more plentiful and have dropped below anything like market value. Bulb stock is being rushed in, narcissus can be had for \$1.50 per 100 with few takers, violets are plentiful and orchid prices are downward. Gardenias are plentiful and on the same path, January has been a slow month, and with the continued cold weather trade does not show much brighter prospects at present.

NOTES.

S. J. Reuter & Son are to be commended on the stand they took in re-

Wholesale Flower Markets

PHILADELPHIA, Jan. 31.		Per 100
Roses, Beauty, extra	40 00@60 00	
" first	20 00@30 00	
" Brides and Maids	4 00@20 00	
" Killarney	4 00@20 00	
" White Killarney	4 00@15 00	
" Liberly	4 00@20 00	
Callas	12 00@15 00	
Cattleyas	35 00@50 00	
Daffodils	3 00@4 00	
Gardenias	per doz., 2 00@3 00	
Lilium Harriall	10 00@12 00	
Lily of the Valley	3 00@5 00	
Marguerites	75@1 50	
Narcissus Paper White	1 50@2 50	
Snapdragons	6 00@15 00	
Sweet Peas	75@1 50	
Tulipa	2 00@4 00	
Violets, single	1 00	
" double	1 00	
Adiantum	1 00@1 50	
Asparagus	per bunch, 50	
Smilax	15 00@20 00	
BUFFALO, Jan. 31.		Per doz.
Roses, Beauty, special	6 00	
" fancy	4 00	
" extra	3 00	
" No. 1	2 00	
" No. 2	50@1 00	
PITTSBURGH, Jan. 31.		Per 100
Bon Silene	3 00@4 00	
Perle	4 00@8 00	
Maid and Bride	4 00@8 00	
Pink Killarney	6 00@15 00	
White Killarney	5 00@12 00	
Richmond	6 00@15 00	
My Maryland	5 00@12 00	
Carnations	2 00@3 50	
Callas	8 00@10 00	
Daffodils	4 00@5 00	
Daffodils, Single	4 00	
Lilium Longiflorum	10 00@12 00	
Lily of the Valley	3 00@5 00	
Mignonette	2 50	
Narcissus Paper White	2 00@3 00	
Romans	3 00	
Stevia	1 00@1 25	
Tulips Yellow and White	4 00	
Violeta	60@75	
Adiantum Croweanum	75@1 50	
Asparagus, per bunch	35@50	
Asparagus Sprengerl.	35@50	
CINCINNATI, Jan. 31.		Per 100
Roses, Beauty, special	30 00@40 00	
" extra	15 00@25 00	
" No. 1	10 00	
" Bride, Bridesmaid	3 00@8 00	
" Chatenay	3 00@8 00	
" Killarney	3 00@8 00	
" My Maryland	3 00@8 00	
" Richmond	3 00@8 00	
Carnations	3 00@4 00	
Cattleyas	50 00	
Lilium Longiflorum	10 00@12 00	
Lily of the Valley	4 00	
Oncidiums	3 00@4 00	
Sweet Peas	50@1 00	
Violets, single	35 @ 50	
" double	75	
Adiantum	1 00	
Asparagus Sprengerl, per bunch	35	
Asparagus sprays, per bunch	35	
CINCINNATI, Jan. 31.		Per 100
Rosea, Beauty	per doz., 1 00@5 00	
" Bride, Bridesmaid	3 90@8 00	
" Killarney	3 00@10 00	
" My Maryland	3 00@10 00	
" Perle	3 00@6 00	
" Richmond	4 00@10 00	
Carnations	3 00@5 00	
Freesias	3 00@4 00	
Lilium Giganteum	15 00	
Lily of the Valley	3 00@4 00	
Narcissus	3 00	
Jonquils	4 00	
Sweet Peas	75@1 00	
Violets, double	75@1 00	
" single	75@1 00	
Adiantum	1 00@1 50	
Asparagus Plumosus, per bunch	25	
Asparagus Sprengerl., per bunch	25	

gard to Double White Killarney. If we had more such instances as that we would have healthier business, es-



Give us a Trial We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO N. Y.
Florists' Supplies and Wire Designs.

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THE MUNK FLORAL CO.
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Wholesale Growers of EASTER LILIES, Ferns and Decorative Greens
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Telephone West 562.

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121 Seventh Street, PITTSBURGH, PA.

Seattle Cut Flower Exchange
909 Post St., SEATTLE, WASH.
Everything in Cut Flowers, Greens, Plants, etc.
Write, wire or Phone. L. P. WALZ, Mgr

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.
Mention the American Florist when writing

pecially in regard to novelties. We have been told by a grower that the Double White Killarney had the bad feature of the old Cornelia Cook, getting blackened when bruised in transit, the introducers ought to tell

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

Asparagus Plumosus Nanus

Cut Strings, 8 feet long, 50c each.

Pink Killarney, Rose Plants

Own Root Stock.

Send for Prices.

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Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley,
Carnations, Killarney, Richmond, Maryland
and other reasonable stock.



A Good Place to Buy Cut Flowers,
Palms, Ferns

Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO.,
Milwaukee, Wis.

—THE—
J. M. McCullough's Sons Co.,
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WHOLESALE FLORISTS

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Both L. D. Phones.

Supplies and Everything in Season always on hand

CYCAS LEAVES.

Size	Per doz.	Per 100	Size	Per doz.	Per 100
12-inch	40	\$3 00	32-inch	\$1 20	\$ 7 00
16-inch	60	3 75	36-inch	1 35	8 00
20-inch	75	4 50	40-inch	1 50	9 00
24-inch	90	5 25	44-inch	1 75	10 25
28-inch	1 00	6 00	48-inch	2 00	11 50

(50 leaves at 100 rate.)

GEO. H. ANGERMUELLER, Wholesale Florist
1324 Pine Street, ST. LOUIS, MO

whether this is a general weakness of the rose or not, the present White Killarney does not do this if handled properly. It is right that we should know such matters.

Chas. Robinson of H. M. Robinson & Co., reports a successful opening of their business in New York. The firm is well pleased with the outlook, and it was a surprise to them to get so much business. They say that New York has certainly welcomed them.

Welch Bros. have a fine line of American Beauties, orchids and gardenias.

We are sorry to report the death Thursday, January 25, of Matthew Killian, for many years at Forest Hill Cemetery.

John McFarland quietly celebrated his twenty-fifth wedding anniversary January 26.

J. R. Newman is reported sick.

MAC.

PROVIDENCE, R. I.—The Rhode Island Horticultural Society has made a strong appeal to the general assembly for an adequate appropriation with which to exterminate the gypsy moth and San Jose scale, whose ravages have caused much damage in the last ten years.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 3209. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

BOSTON, Jan. 31.		Per 100
Roses, Beauty, best	.....	25 00@60 00
" " medium	.....	15 00@20 00
" " culls	.....	2 00@4 00
" Bride, Bridemaid	.....	2 00@6 00
" " Extra	.....	6 00@12 00
" Killarney and Richmond	.....	4 00@20 00
" My Maryland	.....	4 00@20 00
" Carnot	.....	6 00@12 00
Carnations, select	.....	3 00@6 00
Callas	.....	8 00@12 00
Cattleyas	.....	35 00@50 00
Gardenias	.....	25 00@35 00
Lilium Longiflorum	.....	8 00@12 00
Lily of the Valley	.....	2 00@4 00
Narcissus, yellow	.....	4 00@6 00
" white	.....	1 00@3 00
Sweet Peas	.....	50@1 00
Smilax	.....	12 00@20 00

MILWAUKEE, Jan. 31.

Roses, Beauty	per doz.	1 50@6 00
" Killarney	.....	5 00@12 00
" Richmond	.....	5 00@12 00
" White Killarney	.....	5 00@12 00
Carnations	.....	1 50@4 00
Lilium Giganteum	.....	12 50@15 00
Lily of the Valley	.....	3 00@4 00
Paper Whites	.....	3 00
Snagdragons	per bunch	35@75
Stevia	.....	2 00
Violets	.....	75@1 00
Adiantum	.....	1 50
Asparagus	per string	50@75
" Sprengerl	per bunch	25@35
Ferns, Fancy	per 1000	2 00
Galax green	per 1000	1 50
" bronze	per 1000	1 50
Smilax	per doz.	1 75
Wild Smilax	per case	5 00

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Please mention the American Florist when writing.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

St. Louis, Jan. 31.		
Roses, Beauty	medium stems	20 00@25 00
" "	short stems	2 00@4 00
" Bride, Bridemaid	.....	3 00@4 00
" Killarney	.....	3 00@8 00
" My Maryland	.....	3 00@8 00
" White Killarney	.....	3 00@8 00
Carnations	.....	3 00@4 00
Callas	.....	10 00@12 50
Easter Lilies	.....	10 00
Valley	.....	3 00@4 00
Asparagus Sprengerl	.....	2 00@3 00

RUTHERFORD, N. J.—It is reported that Jacob H. Ullman, who recently resigned as collector of taxes, will also retire from the florist business, devoting his time to the local postoffice of which he is clerk.

New York.

MUCH BETTER DEMAND.

There is a decided improvement in the wholesale cut flower market and prices have improved all along the line. This is the case especially with roses. American Beauties are very limited in supply and there are not enough to fill the demand at good prices, even Brides and Bridesmaids are moving better than they have for some time. Carnations, too, have taken a jump in price, though the prices being obtained are considerably less than at the same time last year. Orchids are still very plentiful, especially cattleyas, only the finest quality blooms meeting with ready sale. Still the many calls for them for very large orders have enabled the dealers who handle them in large quantities to clear out the very large supply which had been accumulating. Cypripediums and oncidiums are in sufficient supply to fill all demands. Gardenias are not so plentiful and the prices on these are gradually getting to where they belong. Lily of the valley, tulips, Roman hyacinths and Paper White narcissus do not vary in price from week to week as much as other flowers in this market. Trumpet Major and Golden Spur narcissus are very plentiful and the quality is exceedingly good. Sweet peas are arriving in quantities far in excess of the call and even the best, which are of the very finest quality, are at times moved with difficulty. The very cold weather has affected the sale of violets very much and with the exception of a few thousand specials which are tied one hundred in a bunch are carried over everywhere and will continue to be until the weather gets warmer, so that the street men can get out. Freesia, lilac, pansies, etc., remain the same as far as quotations are concerned. Liliun longiflorum, L. rubrum and callas are not doing as well. In greens smilax, asparagus and adiantum are very plentiful and moving slowly. The demand for Asparagus Sprengerii seems to have dropped off entirely. But taken as a whole, the market is in a much healthier condition and the demand for almost everything has been very brisk, much more so than it has been for weeks.

NOTES.

A. Moltz announces he has taken the whole floor formerly occupied by Moltz & Co. and the Manhattan Plant and Cut Flower market, and with possibly one or two exceptions all the present stand owners will remain occupying the same space which they have at present. Mr. Moltz intends to embark in the same line of business as heretofore, only on a much larger scale, and prefers to be a "speculator" for all that word implies, and will not receive any stock direct from growers. It speaks well for Mr. Moltz that even during his temporary "mix up" for a couple of weeks his business was not interfered with, but went on as usual. The name will continue as Moltz & Co., Maurice L. Glass retiring from the firm.

At the next meeting of the Florists' Club, February 12 (Lincoln's birthday), Chairman Chas. H. Totty of the National Flower Show Committee, will talk on the "National Flower Show." This matter is now under way in earnest and there will be no let up in the activity until the termination of the exhibition. President Richard Vincent, Jr., of the Society of American Florists will deliver his illustrated lecture, "A Trip Through the South," and will also make a short address on matters concerning the S. A. F. J. H. Pepper, chairman of the essay committee, will show a few slides of views of the Detroit shows, and J. A. Shaw will show some slides he brought from Bermuda.

P. J. SMITH, Successor to
John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR
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The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000, Consignments Solicited.
Telephones, 1323. 1998 Madison Square
49 West 28th Street New York City

H. M. Robinson & Co. of Boston, who came quietly to town and opened a very much up-to-date store at 46 West Twenty-sixth street, are receiving a full line of everything that is good in cut flowers. A shipment of Mrs. Aaron Ward roses seen here on Sunday was magnificent and met with ready sale. Manager Gilbert, who has charge, and associate Snyder are more than pleased with their success since opening. In addition to cut flowers they handle a full line of florists' supplies.

"Boss" Weir has been very much indisposed for several months but is delighted with the results of the so-called "Aerio treatment," which was recommended to him so highly by his friend, "Joe" Fenrich, and is telling all his friends with apparent joy that he is feeling much better than he has in the past twenty years.

The Greek-American Florists' Association will hold a ball at Terrace Garden Wednesday evening, February 28. President Polykranas and the committee of arrangements are exerting every effort to make this a gala night and cordially invite every one to bring his wife or sweetheart and enjoy the evening.

Several new shipments are noticed at Henshaw & Fenrich's. One of the latest is a full line of very fine bulbous stock from A. V. D. Snyder, Ridgewood, N. J. Charles H. Totty is sending to this house a fine lot of Wodenethe, the prize-winning white carnation.

Gunther Bros. are very fortunate in having at the present time, when business is good, very heavy shipments of carnations of the very best grade, and are also receiving a fine lot of lily of the valley, which is of superior quality and in great demand.

The officers of the American Rose Society met at the office of Vice-President Traendly on Wednesday to arrange their schedule for the National Flower Show. There were present: A. Farenwald, Benj. Hammond, Wallace R. Pierson, Robert Simpson and Frank H. Traendly.

William Bogart, the popular buyer for P. L. Bogart, has been laid up with rheumatism, but is about again. "Willie" is the life of the wholesale market in the mornings and there is no room for "dull care" while he is around.

The vest pocket judging scales sent out with the compliments of the AMERICAN FLORIST are in great demand by the members of the local club and are a great convenience, especially to the committee on awards.

William P. Ford is at present headquarters for lilac, both white and purple, and the quality is exceptionally good. This house is also receiving a grand lot of American Beauty, Killarney and My Maryland roses.

William H. Mallow and Charles A. McInerney opened a strictly up-to-date flower shop on January 27 at 640 and 642 Fulton street, Brooklyn. The store is fitted very tastefully and is most attractive.

The Growers' Cut Flower Co. have taken space in the Coogan building for the purpose of having an early morning market. E. J. Van Reyper will have charge of this branch.

Mrs. John Meisem of Elmhurst, L. I., continues to improve slowly but sure-

U S E Budlong's Blue Ribbon Valley.

ly. Mr. Meisem made his first visit to the market in many weeks on Saturday last.

C. W. Scott, since his return from Detroit and Chicago, has been compelled to remain at his home in White-stone, L. I., suffering with a very severe cold.

On Friday, January 26, Charles H. Totty lectured at the Amherst Agricultural College of Massachusetts.

Joseph A. Manda, president of the New York Florists' Club, is spending a week in Pittsburg, Pa. Y.

Morris Co. Gardeners' and Florists' Society

ANNUAL BANQUET.

The annual banquet of the Morris County Gardeners' and Florists' Society was held Wednesday evening, January 24, at Piper's hotel, Morris-town, N. J., and was a notable success, more than 100 members and guests participating, among the latter being florists and gardeners from Yonkers, New York, and Floral Park, New York, Elberon, Asbury Park, Red Bank and other New Jersey towns. The tables were profusely decorated with roses, carnations and orchids, the new carnation Wodenethe being conspicuous, and after an excellent dinner was enjoyed and cigars had been passed, President Tyson introduced Charles B. Weathered as toastmaster who called upon William H. Duckham as the first speaker. Mr. Duckham reviewed the work of the society relating its trials and successes. The next toast was "The Society of American Florists," which was responded to by Secretary John Young, who urged all to join the society and help make the National Flower Show of 1913 a great event. Dr. D. H. McAlpin responded to the toast of "The Financial Supporters." Dr. Whitmore of Red Bank spoke on "The Cultivation of Flowers and Their Influence Upon Society" and Robert D. Foote responded for the society's honorary members. In his remarks he contrasted the gardener of today with his predecessor of only a few years ago, saying that today the gardener is an educated man and an educator of men. To the toast "The National Flower Show of 1913" Charles H. Totty responded, outlining the coming show. Other speakers were Mayor A. S. Pierson, F. H. Traendly, M. C. Ebel, Walter F. Sheridan, J. McIntosh, Benjamin Wyckoff, William Turner, I. S. Hendrickson, H. A. Bunyard, William Reid, Arthur Herrington and J. E. Clavey. J. A. Shaw read an original poem and Will McDonald of Yonkers and a baritone soloist from New York rendered musical selections. The evening was thoroughly enjoyed by all present and the meeting closed in time for the guests to take the 10:40 train for their homes.

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 1665 } Consignments Solicited

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 Open 6 a. m. Daily
 Growers desiring top market price for their flowers should give me a trial.

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Wholesale Flower Markets

	NEW YORK, Jan. 31,	Per 100
Roses, Beauty, special.....	40 00	75 00
" " extra and fancy...	15 00	40 00
" " No. 1 and No. 2.....	4 00	6 00
" " Bride, Bridesmaid, special.	4 00	8 00
" " extra and fancy.....	4 00	6 00
" " No. 1 and No. 2.....	2 00	4 00
" " Killarney, My Maryland ..	8 00	12 00
" " extra and fancy.....	6 00	8 00
" " No. 1 and No. 2.....	2 00	4 00
" " Richmond.....	8 00	12 00
Carnations.....	2 00	4 00
Cattleyas.....	40 00	50 00
D. Formosum.....	25 00	40 00
Gardenias.....	4 00	20 00
Lilies, Longiflorum and Harrisii..	8 00	10 00
Lily of the Valley.....	2 00	4 00
Oncidium.....	5 00	10 00
Sweet Peas.. per doz, bunches, 1 00	1 25	
Violets.....	40	75
Adiantum Croweanum.....	75	1 00

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E. A. BEAVEN, Evergreen, Ala.

We Are Now Making Shipments of Southern Wild Smilax Caldwell the Woodsman Co.

Everything in Southern Evergreens.
EVERGREEN, ALA.

Horticultural Society of New York.
A regular meeting of the society was held on Saturday, January 27, at the American Museum of Natural History. An interesting and instructive lecture was delivered by C. A. Darling upon "Grapes and Grape Culture," illustrated with lantern slides. Methods of preparation of the soil, planting, pruning, picking, packing and marketing were dealt with in a practical manner, which was followed by a full discussion.

The exhibition was devoted primarily to orchids and carnations. J. W. Goodier made a large exhibit of orchids from the famous collection of C. G. Roebling, Trenton, N. J., including a large display of cut cypripediums, and a promising new variety of Cattleya Trianae called Helen Roebling. There was keen competition in the carnation classes. The awards were as follows:

- Carnations.**
Best vase carnations—Scott Bros., first prize, silver medal.
Three vases, three kinds, 12 of each—Miss C. A. Bliss (J. T. Burns, gardener), first; Mrs. Myron I. Borg (Jas. Aitchison, gardener), second.
Twelve scarlet—Henry Siegel (Thos. Aitchison, gardener), first; Miss C. A. Bliss, second.
Twelve Winsor shade—Henry Siegel, first; Miss C. A. Bliss, second.
Twelve Eucharist shade—Miss C. A. Bliss, first; Mrs. Myron I. Borg, second.
Twelve crimson—Miss C. A. Bliss, first; Wm. H. Fischer (B. Bottomley, gardener), second.
Twelve Lawson shade—Henry Siegel, first; Percy Chubb (Alex. Mackenzie gardener), second.
Twelve variegated—Miss C. A. Bliss, first; Wm. H. Fischer, second.
Twelve white—Miss C. A. Bliss, first; Wm. H. Fischer, second.
Vase of fifty blooms, arranged for effect—Henry Siegel, first.

- Orchids.**
Cattleya plant—Mrs. F. B. Vau Vorst (Andrew Andersen, gardener), first; C. G. Roebling (Jas. W. Goodier, gardener), second.
Laelia plant—F. V. Burton (Wm. Cordes, gardener), first.
Dendrobium plant—F. V. Burton, first.
Cypripedium plant—C. G. Roebling, first.
Plant any other orchid—F. V. Burton, first; C. G. Roebling, second.
One hybrid orchid—Clement Moore (J. P. Mossman, gardener), first; F. V. Burton, second.
Collection cut orchids—C. G. Roebling, first.
Collection cut cypripediums—C. G. Roebling, first.
Special prizes were awarded to: Wm. Ziegler Estate (A. Bieschke, gardener), for a vase of freesia hybrids and one Marguerite "Mrs. Fred. Sander," Percy Chubb, for a bunch of violets "Princess of Wales," Mrs. F. A. Constable (Jas. Stuart, gardener), for a vase of Euphorbia jacquiniiflora; Mrs. Myron I. Borg, vase of stocks; Lager & Hurrell, for Laelia anceps Lageriana, bronze medal; C. G. Roebling, for Cattleya Trianae Helen Roebling, certificate of merit.

GEO. V. NASH, Sec'y.

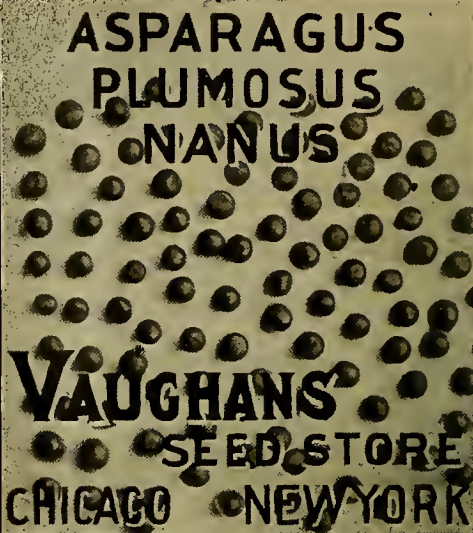
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Northern Greenhouse Grown. of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$4.00. 5000 seeds at \$3.75 per 1000.

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CHICAGO. NEW YORK

ASPARAGUS PLUMOSUS NANUS



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THE NEW GLADIOLUS "Rochester White"
The Best and Purest White Ever Offered.
\$1.00 each; \$10.00 per doz. Strong blooming bulbs only.
Write for descriptive circular.
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FANCY FERNS, \$1.75 per 1000.




New Crop Galax, Bronze or Green..... \$1.25 per 1000
Sphagnum Moss, large bales..... \$2.50
Leucothoe Sprays, Green..... \$1.00 per 100; \$7.50 per 1000
Boxwood..... per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket, \$2.25; 6 baskets, \$2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

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Bronze Galax, \$4.00 per case of 10,000



FANCY FERNS, \$3.50 per case of 5000.



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We shall be glad to carry out commissions from our American confreres to deliver Cut Flowers, Floral Baskets, Floral Designs, Baskets of Choice Fruit, Etc., to American visitors in any part of Great Britain.

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HIGH GRADE OF FLOWERS.

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345 and 5 Greene Ave. and 339 to 347 Greene Ave.
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Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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Cut flowers and design work of the highest class delivered to your customers here or anywhere in the west by mail or wire. Usual Trade Discount.

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To out-of-town florists
We are in the Heart of NEW YORK
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Orders for cut flowers and designs solicited for delivery in any part of Texas.

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Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

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Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Write, Wire or Phone Your Orders to

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Flowers in any arrangement for all occasions,
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Best Quality on Shortest Notice

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Beauties, Orchids and Valley always on hand

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- New York—Young and Nugent.
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Established 1849

David Clarke's Sons

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Telephones: 1552-1553 Columbus Choice Cut Flower's

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Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists Trade discount.
215 West Fourth Street.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

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Flowers or Design Work.

Delivered in Albany and Vicinity on
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Canada's best known and most reliable florist

Only the Best Dunlop's

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We deliver anywhere in Canada and guarantee
safe arrival.

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Will take proper
care of your orders in Wisconsin

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Orders will be carefully
cared for by

HENRY SMITH,

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GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

THE short crops of Europe had some good effect on the export of American beans this season. Loechner & Co., New York, are making extensive shipments abroad.

VISITED CHICAGO: E. J. Sheap, representing S. M. Isbell & Co., Jackson, Mich.; L. M. Kimberlin, representing J. M. Kimberlin & Co., Santa Clara, Calif.; A. J. Brown, Grand Rapids, Mich.

WE are in receipt of an interesting bulletin on the "Production of the Lima Bean, the Need and Possibility of Its Improvement," by G. W. Shaw and M. E. Sherwin, issued by the College of Agriculture, Sacramento, Calif.

PETER HENDERSON & Co. have issued a booklet entitled "Garden Guide and Record" which contains useful tables and much information for planters and growers. The book has a number of blank pages for memoranda.

CHICAGO.—Prices on the Board of Trade, January 31, for grass seed were noted as follows: Timothy, \$13.50 to \$15.25 per 100 pounds.—Vaughan's Seed Store is looking for more warehouse space to accommodate its rapidly extending business.

STURGEON BAY, WIS.—T. H. Hopkins is on a tour through the west, and more particularly Idaho, having gone from here to St. Anthony, where M. V. Cochems is located. The trip is made in the interests of the John H. Allan Seed Co. to investigate the conditions in that country for the growing of peas, it having been much advertised as an ideal place for the raising of this crop.

In a communication recently received from a traveler in Europe, we find the following: "Calling on the trade of Heidelberg, Germany, some time ago, the Dutch business methods were brought under discussion and a leading seedsman of that place said, 'The Hollanders leave no stone unturned about these parts to get business, and there is little chance for the local dealer to do a wholesale trade. The Holland representatives, hausieren von Haus zu Haus,' he said. This is in line with complaints made by American dealers.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

OMAHA, NEB.—Mrs. Emma von Windheim, of the Nebraska Seed Co., died January 24, aged 82 years. Mrs. Windheim was born in Saxony and came to this country in 1852, sailing up the Missouri river in a craft propelled by poles, sails and oars, and locating here with her husband, the late Peter von Windheim, in 1858.

WATSON S. WOODRUFF, of the firm of S. D. Woodruff & Sons, Orange, Conn., and New York, and ex-president of the American Seed Trade Association, was recently elected president of the new bank, the Orange Bank & Trust Co., soon to be opened at West Haven, Conn. The town of Orange, which includes in its borders the borough of West Haven, has a population of something over 10,000 and has never before had a bank. The stock of the new bank has been over-subscribed and it is believed that it will become a prosperous institution.

DENVER, COLO.—Mr. Sawdey has retired from the seed business of Sawdey & Hartner, having sold all of his interests and good will to Elmer G. Hartner June 21 last. Mr. Hartner, C. O. Byrne and Adrien Traverse have formed a new concern, with more capital, called the Western Seed Co., incorporated last December, with E. G. Hartner, president, Adrien Traverse, vice-president, and C. O. Byrne, secretary. The business of the old concern was very good last year and the members of the new firm expect to do still better this year. There is a large amount of snow in the mountains at present which will give plenty of water for irrigation. Snow is still falling today (January 27) and it is hoped that the farmers will be able to commence plowing early.

Canadian Seed Growers' Association.

The eighth annual convention of the Canadian Seed Growers' Association will be held in the Canadian building, Ottawa, Ont., February 8-9. The programme includes addresses by Hon. Martin Burrill, Ottawa; Prof. C. C. James, Toronto, and "Vocational Agricultural Education for Boys and Girls" by Rufus W. Stimson, Boston, Mass. Papers will be presented by Prof. L. S. Klinck, Macdonald College, Que., "The Improvement of Cereal Grains at Macdonald College;" J. H. Grisdale, Ottawa, "Cultural Conditions for Seed Growing"; Dr. C. E. Saunders, Ottawa, "The Distribution of Seed Produced at Experimental Farms," and G. H. Clark, Ottawa, "The Inspection of Seed Crops."

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

Catalogues Received.

S. M. Isbell & Co., Jackson, Mich., seeds; Fottler, Fiske, Rawson Co., Boston, Mass., special list of seeds and supplies for florists; Ellwanger & Barry, Rochester, N. Y., nursery stock; Weeber & Don, New York, wholesale and spring lists of seeds, plants, bulbs, etc.; Wm. Elliott & Sons, New York, trade and general list of seeds, plants and supplies; Iowa Seed Co., Des Moines, Ia., seeds, plants, supplies, etc.; G. H. Hunkel Co., Milwaukee, Wis., spring and wholesale lists of seeds; L. L. Olds Seed Co., Madison, Wis., seeds and supplies; James Smalley & Co., McPherson, Kans., seeds; W. W. Wilmore, Denver, Colo., trade and general lists of dahlias and hardy plants; Diggs & Beadles, Richmond, Va., seeds and supplies; Richland Nurseries, Rochester, N. Y., nursery stock; American Forestry Co., South Framingham, Mass., trees; Cross Highway Nurseries, Westport, Conn., rhododendrons and azaleas; Little River Nurseries, Little River, Fla., orange, grapefruit and ornamental stock.

Arpad Muhle, Temesvar, Austria-Hungary, seeds, plants, supplies; Haage & Schmidt, Erfurt, Germany, seeds and plants; Otto Heyneck, Magdeburg, Germany, chrysanthemums and plant food.

Pittsburg.

ROSES IN SHORT SUPPLY.

Flowers are still short but if the warm sun that is smiling on us today keeps up, it will soon be a different tale, as all the growers report an immense crop coming with only a little sun needed to bring it on. American Beauties are probably the scarcest article, very few of these being on the market. Good Killarney is probably the next. There is an abundance of tulips, jonquils and lily of the valley.

NOTES.

T. P. Langhans of Pittsburg Cut Flower Co. is laid up with la grippe. Visitors: William Steele and daughter, Uniontown; Frank P. Meyers, Philadelphia. J.

Established 1810.

Denaiiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

S. D. WOODRUFF & SONS,

ORANGE, CONN. NEW YORK CITY.

Seed Growers and Importers.

Specialties: Beet, Carrot, Sweet Corn, Peas, Beans, Onion Sets and Seed Potatoes. Catalogue free. Quick freight shipments from New York, via rail or steamer to all parts of the U. S.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.



A REQUEST

To The Seed Trade of America and Canada.

If buyers of any kinds of seeds from this side will send us a line saying which articles they are particularly interested in at the moment, whether for present or contract delivery, prices will be sent per return mail. **High Class Seeds Only,**

KELWAY & SON, Wholesale Seed Growers and Exporters. **LANGPORT, ENGLAND**



Extra Long White Spine.
grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

FREMONT. - - - NEBRASKA

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and Ellicott Sts., **Baltimore, Md.**

Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Mention the American Florist when writing

Cold Storage Stock

Vaughan's High Grade
Lily of the Valley

2,000, 1,000 or 500 in a case. Per 1000
London Market.....\$15.00
Premium Brand..... 13 00

Lilium Giganteum
Per 1000
250 or 300 in a case, 7 to 9.....\$65.00

Lilium Auratum
8 to 9..... 52.50
o 11..... 90.00

Lilium Album

Per 1000
8 to 9..... 95.00
9 to 11.....120.00

Lilium Rubrum

9 to 11..... 80.00

Lilium Melpomene

9 to 11..... 85.00

Book for Florists Ready.

Vaughan's Seed Store,
NEW YORK. CHICAGO

VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries
and Export Trade.

HILLEGOM, HOLLAND,

Wholesale growers of the leading sorts of
Hyacinths, Tulips, Narcissus, Crocus,
Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, Mr. G. HYLKEMA, care of
Messrs. Maltus & Ware, 14 Stone St., New
York, for Catalogue and Special prices of all

HOLLAND BULBS AND PLANTS.

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TESTING

E Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts.
F Booklet free. Send samples of

THE SEED TRADE REPORTING BUREAU

Postal Telegraph Building, CHICAGO.

Mention the American Florist when writing

Asparagus Plumosus Plants

2½-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

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Copenhagen, Denmark.

Surplus Stock

of Seeds, Crop 1911.

Turnips—Dales Hybrid, Grey Stone, Danish Yellow Tankard, Fynsk Bortfelder.

Rutabaga—Pajbjerg Bangholm, Shepherd Golden Globe.

Mangel—Sludstrup Barres, Taarøje Barres.

Wurzel—Eckendorfer Red Tankard, Elvetham Mammoth.

Caniflower and Cabbage Seed.

Descriptive list and prices on application.

LOECHNER & CO, 11 Warren St, New York
Sole Agents for the U. S. and Canada.

MARKET GARDENERS!

DON'T PAY FANCY PRICES FOR YOUR SEEDS

When you can buy the true

NORTHERN GROWN SEED STOCK

of highest germinating and early maturing qualities direct from the grower. Send today for our Market Gardeners' Catalog and save money.

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570 4th Ave., FARIBAULT, MINN.



MRS. FRANCIS KING.

GLADIOLUS

MRS. FRANCIS KING

First Size, 1 1-2-inch and up..... Per 1000 \$20.00
 Medium Bulbs, all blooming size..... 17.00

America, 1st Size..... Per 1000 \$32.50
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 and Highest Grade Mixtures.

Splendid Strong Bulbs in Quantity
 for Forcing. Write for Prices.

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THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish,
 etc. Correspondence solicited.

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas,
 Tomatoes, Lima Beans, Lettuce, Asters,
 Cosmos and other Flower Seeds.

Cynosurus Cristatus

(Crested Dogstail)

Purity and Germination Guaranteed.

WM. POWER & CO.

Seed Exporters, Waterford, Ireland
 Cables: "Seed merchants," Code A B C. 5th edition

CHOICE

German Flower Seeds

Catalogue free on application.

FREDERICK ROEMER,

Seed Grower, Quedlinburg, GERMANY

BEGONIAS—Tuberous Rooted

	Per 100	Per 1000
Single, White, Pink, Scarlet.....	\$2.50	\$22.00
Orange, Yellow and Crimson, Single Mixed colors.....	2.25	20.00
Double, White, Pink, Scarlet, Orange, Yellow, and Crimson.....	4.00	35.00
Double Mixed Colors.....	3.50	30.00

GLOXINIAS

Blue, White, Crimson, Violet.....	3.50	30.00
White Border, red white border, Mixed all colors.....	3.00	26.00

A. HENDERSON & CO., 30 East Randolph Street, CHICAGO.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster,
 Cosmos, Mignonette, Verbena in variety.
 Correspondence Solicited.

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

DAHLIAS

The best New and Standard varieties.
 Send for Wholesale Price List.

BASSETT & WELLER
 HAMMONTON, N. J.

BULBS! BULBS! BULBS!

Send for 1912 Catalog, and get your Bulbs
 direct from grower (not merchant).

M. J. GULDEMOND,

Wholesale Bulb Grower and Exporter, Lisse, Holland

Boddingtons Quality Cannas.

Are true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick. The Canna crop this year, however, is very short, and we advise placing orders early to secure stock. Delivery can be made at purchaser's option.

Red-flowering, Green Foliage Cannas

	Per 100	Per 1,000
Louisiana, 7 ft.....	\$2.25	\$17.50
A. Bouvier, 5 ft.....	1.75	15.00
Alice Roosevelt, 4 ft.....	3.75	35.00
Beaute Poitevine, 3½ ft.....	2.75	25.00
Black Prince, 3 to 4 ft.....	2.75	25.00
Charles Henderson, 4 ft.....	2.00	17.50
Crimson Bedder, 3 ft.....	2.25	20.00
Duke of Marlboro, 4½ ft.....	2.00	17.50
J. D. Eisele, 5 ft.....	2.25	20.00
Explorateur Crampbell, 5½ ft.....	2.00	17.50
President Cleveland, 3 ft.....	2.25	20.00
President McKinley, 2½ to 3 ft.....	2.25	17.50
President Meyer, 4 ft.....	3.50	30.00
Pillar of Fire, 6 or 7 ft.....	2.25	20.00
Tarrytown, 3½ ft.....	2.25	20.00

Pink-flowering Cannas

	Per 100	Per 1,000
L. Patry, 4½ ft.....	\$2.25	\$17.50
Louise, 5 ft.....	2.25	17.50
Mlle. Berat, 4½ ft.....	1.75	15.00
Venus, 3½ ft.....	4.25	40.00

White and Cream Shades

	Per 100	Per 1,000
Alsace, 3½ ft.....	\$1.75	\$15.00

Orchid-flowering Cannas

	Per 100	Per 1,000
Allemannia, 4 to 5 ft.....	\$1.75	\$15.00
Austria, 5 ft.....	1.75	15.00
Indiana, 3 to 4 ft.....	2.00	17.50
Italia, 4½ ft.....	1.75	15.00
Philadelphia, 5 ft.....	2.75	25.00

Orange Shades

	Per 100	Per 1,000
Wyoming, 7 ft.....	\$2.25	\$20.00
Pennsylvania, 5 ft.....	1.75	15.00
Mrs. Kate Gray, 6 ft.....	1.75	15.00

Red, Gold-edged; Spotted and Yellow Cannas

	Per 100	Per 1,000
Duke of York, 4 to 5 ft.....	\$5.50	\$55.00
Evolution.....	2.75	25.00
Gladiator, 4 ft.....	2.75	25.00
Gladio-Flora, 3½ ft.....	5.50	50.00
Golden King, 5 ft.....	2.75	25.00
Jean Tissot, 5 ft.....	2.25	20.00
Niagara, 3 ft.....	2.75	25.00
Mad. Crozy, 5½ ft.....	2.75	25.00
Queen Charlotte, 3½ ft.....	3.75	35.00
Premier, 2½ ft.....	3.75	35.00
Souv. de A. Crozy, 4 ft.....	2.75	25.00

Yellow Shades

	Per 100	Per 1,000
Buttercup, 3½ ft.....	\$2.75	\$25.00
Florence Vaughan, 5 ft.....	2.25	20.00
Richard Wallace, 4½ ft.....	2.75	25.00

Bronze-leaved, Red-flowering Cannas

	Per 100	Per 1,000
Brandywine, 4 to 5 ft.....	\$2.75	\$25.00
David Harum, 3½ ft.....	2.75	25.00
Egandale, 4 ft.....	2.00	17.50
King Humbert, 4 ft.....	3.25	30.00
Leonard Vaughan, 4½ ft.....	2.75	25.00
Musafolia, 3 to 5 ft.....	2.25	20.00
Robusta, 6 to 8 ft.....	2.00	17.50
Shenandoah, 6 ft.....	2.00	17.50

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business.

Our Cannas are true to name—two and three, sometimes four eyes—are sound, dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at a thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Write for special prices for quantities.

If any Cannas are not found here, it may be understood that they are superseded by the foregoing. If selection is left to us, we will substitute or send only the best for all purposes.

All the Above Cannas Sold F. O. B. New York or Chicago.

Chicago and Western Agents for Our Cannas, ONLY:

WINTERSON'S SEED STORE, 166 North Wabash Ave., Chicago.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 24th Street, NEW YORK CITY.

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns. Mention the American Florist when writing

Onion Seed==Onion Sets

We Are Extensive Growers and Dealers.

Write for prices on the 1911 crop. We are also submitting contract figures for the 1912 crop of Onion Seed.

SCHILDER BROS., Chillicothe, O.

THE G. HERBERT COY SEED CO. VALLEY, Douglas County, Neb.

Contract Growers of High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS, Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey

Correspondence Solicited.

Mention the American Florist when writing

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

**The Ebbert Seed Company
ROCKY FORD, COLO.**

Contract Growers for the Trade. High-grade Vine Seeds, Specialties: Rocky Ford Cantaloupe, Muskmelon and Cucumber Seed.

Place Your Orders Early.

Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seed Growers for the Wholesale Trade
Cauliflower, Cabbage and Root Seed.

NOVELTY
Copenhagen
Market

Earliest large,
round headed
Cabbage.
Very Solid.



Contract
Now
for 1912
Crop.

Copenhagen Market. Galvano Free.

Prices and Descriptive list free on Application.

Loechner & Co., 11 Warren St., New York, Sole agent for the U. S. and Canada.

SHORT CROP SEEDS

We have Beet, Carrot, Parsley, Parsnip and French-Grown Radish, in all varieties, to offer the Trade. Also, French-Grown Paris Golden Self-Blanching, White Plume and Giant Pascal Celery.

Write Us For Prices.

I. N. SIMON AND SON,
6 No. Front Street,
Philadelphia, Pa.

NEW POMPOM CHRYSANTHEMUM

FAIRY QUEEN

A delightful deep Enchantress color, of medium size, round and full, elegant foliage, and a good keeper.

AWARDED NATIONAL CHRYSANTHEMUM SOCIETY'S CERTIFICATE NOVEMBER 2, 1911.

Young plants from pots ready March 15.

\$2.50 per doz., \$15.00 per 100.

HARTJE & ELDER, R. R. 29
INDIANAPOLIS, IND.

Carnation Growers
RAINBOW
A

GLORIFIED PROSPERITY

WANOKA GREENHOUSES,

Wins first prize in the overlaid or Prosperity class at the National convention at Detroit. Send your order now for February delivery. Our January cuttings are all sold. Remember — Our cuttings are guaranteed. We can deliver half a million.

\$12.00 per 100; \$100 per 1000

Liberal discount on large orders. 250 at 1000 rate. Cash or good reference.

Barneveld, N. Y.



Express prepaid on rooted cuttings. The finest ever. Satisfaction guaranteed to all parts of the United States.

Verbenas, the very best named varieties. 70c a 100; \$6.00 a 1000.

Fuchsia, best named varieties. \$1.00 per 100; \$9.00 per 1000. Feverfew. Little Gem. \$1.25 per 100; \$10.00 per 1000. Colcus, all the finest select named varieties. 70c per 100; \$6.00 per 1000. Alternanthera, red and yellow, very strong, 60c per 100; \$5.00 per 1000. Ageratum, Little Blue Star, Stella Guroey and Imperial White, 60c per 100; \$5.00 per 1000. Sweet Alyssum, 80c per 100; \$6.00 per 1000, our very best Double Giant. Daisy, White California, \$1.00 per 100; \$8.00 per 1000. 32,000 Vincas, rooted cuttings, \$1.00 per 100; \$8.00 per 1000.

C. HUMFELD,
CLAY CENTER, KANSAS.
Mention the American Florist when writing

Gladiolus...

THE BEST FLORISTS' SORTS.

Augusta, Branchleyensis, Canary Bird, Eugene Scribe, Jessie, Klondyke, Mrs King, M. Monneret, Negin-scott, Princeps, etc.

Extra Fine Mixtures.

Cannas, Dahllas, Pansies.

Large supply.

Write for prices.

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

GLADIOLI

Groff's Hybrids

and all the best named sorts. My Glad-
ioli took first premiums at Iowa State
Fair in 1911. Write for prices.

Independence, Scarsdale, New Blue Hybrids.

GEO S. WOODRUFF
Box F, Independence, Iowa.

Gladiolus Growers, Send for

Costly **S**plendid
atalog eedlings
containing elect
uts of orts.

MAPLESHADE GLADIOLI FARM.
315 North 10d Ave., WARREN, O.

Henry Fish Seed Co.
Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Gladiolus

We control the originator's stock of
THE NEW TYPE
KUNDERDI "GLORY"

WITH "RUFFLED" PETALS

The broadly expanded, wide open flowers, paired by twos, all face in the same direction, and are carried on straight stout stalks, fully 3 1/2 feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted.

The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petal, the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the country over.

Special prices, with free cuts, for catalogue use.
Per 100, \$7.50. Per 1000, \$70.00

We carry large stocks of
**America, Mrs. Francis King,
Augusta, Princeps**

Vaughan's
Book for
Florists

The Spring Edition is
ready. Ask for it. Don't
buy without its figures.
They talk!

Gloxinias. Per 1000
Separate colors \$30.00
Mixed 28.00

Begonias (1st size)
Single, separate colors... \$22.00
mixed 20.00
Double, separate colors... 40.00
mixed 37.00

**Vaughan's Seed Store, CHICAGO and
NEW YORK.**



GLADIOLUS GLORY.

Gregory's Honest Seeds.

Vickery's Forcing Cucumber. The finest strain of hot-house cucumber ever introduced. Mass. growers prefer this to all others. Nothing but typical specimens are selected for seed. Every seed grown on our own farm and you can depend upon its being absolutely pure. Wright Brothers, Toledo, Ohio, write "We know the Vickery Cucumber is fine as we have grown it for three years in our greenhouses. Price per 1/4 Lb., \$1.30; per Lb., \$5.10 postpaid.

Some of Our Choice Goods all Grown on Our Own Farms:

Gregory's Improved Prolific Marrow Squash. Gregory's Warren Turban Squash. Gregory's Victor Squash. Gregory's Warded Hubbard Squash. Gregory's Improved Original Crosby Corn, superior in quality, nothing equal to it for canning purposes. Quincy Market Corn, a second early, recommended as being the best to follow the extra earliest.

Our catalogue will be mailed free. It tells all about the above varieties.
Special Prices Given for large quantities.

James J. H. Gregory & Son,
Seed Growers, P. O. Box A. MARBLEHEAD, MASS.

Koerner's Gladiolus and Dahlia Novelties for 1912

NEW GLADIOLUS—Early Bird.

NEW DABLIAS—Crimson Beauty, Golden Nugget, Snow Storm, and Cream City.

Send for descriptive list. Preference to catalogue houses.

H. W. KOERNER, Station B, Milwaukee, Wis.
R. F. D. 6.

The Early Advertisement Gets There

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 503 Walker Building, Louisville, Ky., Secretary; M. L. Ruetsnik, Cleveland, O., Treasurer.

SPRINGFIELD, MASS.—Oscar Kaeppl and Edward Mann are contemplating the erection of a greenhouse in which to cultivate calabash gourds with the intention of manufacturing pipes.

Prices of Indoor Fruits and Vegetables.

Chicago, January 31.—Asparagus, \$2.50 to \$3 per dozen bunches; cucumbers, \$1.50 to \$1.75 per dozen; radishes, 15 cents to 40 cents per dozen bunches; rhubarb, 25 cents to 35 cents per bunch.

New York, January 27.—Mushrooms, 80 cents to \$2 per 4-pound basket; cucumbers, 75 cents to \$4 per dozen; tomatoes, eight cents to 25 cents per pound; radishes, \$1.50 to \$3.50 per 100 bunches; lettuce, \$1.50 to \$3 per strap; rhubarb, 30 cents to 50 cents per large bunch and 75 cents to \$1 per dozen small bunches.

Southern Truck Crops.

According to statement just issued by Secretary Wilson of the Department of Agriculture the Bermuda onion industry last year amounted to over 1,000 carloads and has been developed in the last few years. A large cauliflower industry has grown in connection with the growing of celery in central California which places a product in eastern markets when they are not supplied by home growers. There has been a .50 per cent increase in the area devoted to celery in Florida during the last decade and similar extensions of the potato, tomato and strawberry interests. There has also been a very large increase in the acreage of truck crops the last few years in the vicinity of Norfolk and Portsmouth. The area devoted to spinach and kale has been greatly increased.

Cincinnati.

M'KINLEY DAY CAUSES LITTLE FLURRY.

Everything in the market is scarce and practically everything cleans up easily from day to day. Prices on some flowers have advanced a little while on others they are holding firm at the figures they have been for the past fortnight. Judging from the appearance and size of the shipments the growers all seem to be pretty well off crop on most everything. McKinley day caused little if any flurry in the carnation market. A little publicity by the florists in their store and a little press agent work in the papers might revive the interest in the day locally. As it is now it seems more or less a thing of the past. The shortage of roses of all kinds is very noticeable. Most of the offerings are up to their usual high standard of quality while some are otherwise. The stock is nearly all exceptionally clean. Carnations are also in short supply but the shortage is not as pronounced as in roses. The choice stock, especially white and Enchantress shade, moves quickly. The culls that are fresh are finding a fair market. Bulbous stock shows a great falling off, especially

in the receipt of *Lilium longiflorum* and callas. To keep up with the call for the first the growers are forced to cut the blooms when they are barely sufficiently open to use and are hardly ready to cut. Somehow or other the wholesalers manage to get enough together for their orders. The smaller essentially spring flowers, such as tulips, jonquils, etc., are arriving in larger quantities and prove a very welcome addition to the offerings. The jonquils and freesia deserve special mention for their very good quality. Miscellaneous lines show a very fair business. The Princess of Wales and New York double violets are as popular as earlier in the season. The sweet pea offerings are some of the very best ever put on sale in this market. Choice lily of the valley is again in adequate supply and is proving a pretty good seller. Limited quantities of orchids come in regularly. The green goods supply is ample and the market good.

NOTES.

Harry B. McCullough of J. W. McCullough Sons Co. is seriously ill at the German Deaconess Hospital.

J. T. Conger and wife of Hartwell recently returned from a visit to Chicago.

C. E. Critchell has been receiving a fine line of sweet peas.

Visitors: Frank Farney, "Sprinkle-proof" Sam Seligman, Julius Dilhoff of Schloss Bros.,—Ruman of the Climax Box Co. of Casterland, New York.

H.

Denver, Colo.

"Rather quiet" is the general comment of the majority of the trade. Weather conditions have been more favorable, but there has been very few entertainments of any kind that called for any great amount of flowers. There has been no surplus of stock, however, and prices have remained firm. The supply of roses has fallen off to such an extent that the retailers have to hesitate before they take a good order for fear they cannot fill it properly. One retailer spent half a day trying to secure enough American Beauties to fill an order for a dozen. It is the same old story, letting everything come for Christmas and ruining business for January, placing the storeman in a bad position with his customers by not having the stock desired. Fortunately, the scarcity of roses has helped carnations and while the supply has been above the average there has been no surplus, the best grades selling well at \$3.00 and other grades \$2.00 per 100. Tulips and daffodils have made a better showing and have been in demand. Snapdragon and sweet peas are in good shape and have found ready buyers. Violets have improved some and are selling well.

FLORISTS' CLUB SPECIAL NOTICE.

A regular feature of the meetings of the Colorado Florists' Club, held the first Monday of each month, will be

an exhibition of cut flowers and plants. If any florist having novelties that they would like to have shown to the Colorado florists will send them prepaid to E. P. Neiman, secretary, care Park Floral Co., Denver, Colo., they will be taken care of and placed on exhibition at the meetings.

NOTES.

All of those that attended the meetings of the American Carnation and American Rose societies at Detroit have returned and are enjoying the warm Colorado sunshine again after the cold weather they experienced while in Detroit. They all say they had a good time, however.

The regular meeting of the Colorado Florists' Club will be held February 5. A paper on "The Native Conifers" of Colorado will be read by William Horlacker of the Barteldes Seed Co.

Joe Ennegon, proprietor of the New York Floral Store, lost a wallet containing a good sum of money. Fortunately, he recovered it after a lively encounter with the finder.

It was stated at the annual meeting of the Chamber of Commerce held January 25 that the growing of flax in Colorado will soon surpass the beet industry.

P. J. Manchester and wife of Arvada have gone to California to visit Mr. Manchester's brother, who is seriously ill.

T. D. Long and wife were called to Kansas suddenly on account of the death of a brother of Mr. Long.

Fred C. Meyer is recovering from a severe attack of lagrippe.

Visitors: C. U. Fohn of Glen Eyre, Colorado Springs; Howard Gardner and J. H. Ellis, Greely. E. P. N.



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

Pure Culture Mushroom Spawns

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

Trade Mark, American Spawns Co., St. Paul, Minn.

Mention the American Florist when writing

Special to the Trade

We make a specialty of growing all kinds of Vegetable Plants for the Seed and Plant Trade, including the best varieties of Forcing Tomatoes, Asparagus, Cauliflower, Egg Plants, Peppers, Parsley, Lettuce, Cabbage, etc. Special prices made on large orders for Spring delivery. Let us know your wants.

We have a fine lot of Tomsto Plants, transplanted and potted: Comet Lorillard, Bonny Best, Suttons' Al, Suttons' Abundance and Winter Beauty; also Extra Early Erlurt and Snowball Cauliflower.

Cash required with orders from unknown correspondents.

Fox-Hall Farm, R. F. D. Norfolk, Va.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabions, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

NEW WHITE FORCING HYDRANGEA

Mme. Emile Mouillere

Of the many new Hydrangeas recently received this is undoubtedly one of the most promising as a commercial sort, we believe it to be one of the coming market plants. The individual flowers as well as the heads are very large, pure white in color and very freely produced. We offer good 3-inch pots, \$3.00 per doz.; \$25.00 per 100.

Hardy Azalea Mollis

Becoming more popular as a forcing plant every season, a nice lot of well budded plants 10 to 12 inches high, \$4.50 per doz.; \$35.00 per 100.

Lilacs Marie Legraye A fine lot of well budded pot-grown stock, \$6.00 per doz-; \$50.00 per 100.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

Above Prices Are For The Trade Only.



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Landscape Gardening



A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

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Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

—We Have All Kinds of—

BLOOMING PLANTS

For the storeman. A fine lot of Azaleas, Hydrangeas, Roses, white and Red Rambler Roses, Crimson Ramblers, Pink Dorothy, Climbing Baby Ramblers, etc.

For Easter write us your wants. Don't forget we are headquarters for Ferns.
GEO. A. KUHL, Wholesale Grower, Pekin, Ill.

Mention the American Florist when writing

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Mention the American Florist when writing

LADY HILLINGDON

Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place your order now for early delivery.

YOUNG STOCK. PRICES:

Grafted.....\$25.00 per 100; \$200.00 per 1000
Own Root..... 20.00 per 100; 150.00 per 1000

WABAN ROSE CONSERVATORIES
Natick, Mass.

WANTED

Geraniums Barlolege and Able Le France, either rooted cuttings or 2½ inch stock. Quote on any quantity that you are able to supply.

IOWA SEED COMPANY, Des Moines, Iowa.

Mention the American Florist when writing

CHRYSANTHEMUMS...

2-in pots.

Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, at \$7.00 per 100.

ELI CROSS,

25 Monroe Street GRAND RAPIDS, MICH.

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

Tennessee State Nurserymen's Ass'n.

The seventh annual convention of the Tennessee Horticultural Society and the State Nurserymen's Association, allied organizations, was held January 25-26 in the assembly room of the Maxwell house, Nashville, Tenn. Many being members of both organizations, remained through both days' sessions.

Chairman Robert Morris of Ridge-top opened the meeting in the absence of Hon. Percy Brown, president, and on behalf of the Board of Trade and the city of Nashville, Judge Robert Ewing delivered a stirring address of welcome. The first paper was by G. D. Hawks of Jackson on the "Culture and Care of Sweet Potatoes," which contained many useful suggestions. A paper on the "Winter Care of Sweet Potatoes" prepared by J. T. Allen of Fountain City was read by the secretary. A paper by C. H. Tritchler, who was not able to be present, on "Market Gardening for a Local Market" was also read by the secretary. Mr. Tritchler is the florist of the N. C. & St. L. R. R., and is a practical grower of vegetables as well as flowers. J. E. Converse of Cumberland City gave a brief impromptu talk on potato growing. "The Tomato as a Money Crop" was next discussed by Prof. C. A. Keffer of Knoxville, who stated that the successful grower as a rule mixed the Acme, Imperial and Truckers Favorite varieties.

At the afternoon session "The Organization and Management of Commercial Orchard Growing" was ably discussed by J. R. H. Hilton of Knoxville. Hon. John L. Jones of Columbia gave some of his experiences as a fruit grower which was full of interest. "The Year's Experience in Spraying" was discussed by J. D. Ellis of Dayton, I. C. Murphy of Columbia and Neal Varnel of Cleveland. The use of lime and sulphur for apple trees was advocated, and a general discussion followed, bringing out much useful information. C. E. Coleman of Knoxville gave a somewhat lengthy address on "Commercial Strawberry Growing." The address was very interesting and the speaker brought out facts on the growing of strawberries of which many of those present had never heard. Many questions were asked and answered by the speaker.

The feature of the evening session was an able address by Prof. H. A. Morgan, one of the faculty of the University of Tennessee at Knoxville, on "The Conservation of the Soils," which was both scientific and practical, and very helpful in many ways, as was shown by the many questions asked during and after the address. The following officers for the ensuing year were elected: J. C. Prewett, Union City, president; Henry R. Howard, Chattanooga, vice-president; Prof. C. A. Keffer, Knoxville, secretary-treasurer; A. J. Byrns, Sylvia, middle; Charles H. Coleman, Knoxville, east; Chas. Pennington, Rutherford, west, sectional vice-presidents.

On Friday morning, January 26, the State Nurserymen's Association began their session, being called to order by J. R. H. Hilton of Knoxville. The session was opened with prayer by Rev. Dr. James I. Vance, which was followed by an address of welcome by

T. F. Peck, commissioner of agriculture of Tennessee, which was read by his assistant, A. L. Garrison, Mr. Peck being out of the city. It was a very cordial welcome and contained many valuable and practical suggestions to the nurserymen. The response was made by J. H. Austin of Antioch. One of the best features of the programme was the address by T. B. Thackston, land and industrial agent of the Southern Railway, on "Co-operation in Selling Nursery Stock and Marketing Fruit." This proved very helpful. H. A. Clarke of Wartrace, read an interesting paper on "Grasses." In the afternoon "Soil Improvement" was discussed by J. E. Converse of Crossville. The "Federal Inspection Bill" was discussed by W. H. Stark of Louisiana, Mo. Prof. H. D. Tate, special agent of the U. S. Department of Agriculture, spoke on "Field Demonstration," and said "Our object is to try to get hold of the different farmers of the state." Robert S. Walker of Chattanooga gave an address on "Quiet Hours for the Nurseryman."

The following officers were elected: E. W. Chatten, Winchester, president; W. W. Twitty, Taft, vice-president; Prof. G. M. Bently, Knoxville, secretary-treasurer; Chas. Pennington, Rutherford, west; Joe Webb, Smithville, middle; A. I. Smith, Knoxville, east, sectional vice-presidents. M. C. D.

LARGE TREES

OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.



Arbor Vitæ

(*Thuja Occidentalis.*)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
 Write for descriptions and prices.

The Wm. H. Moon Co.,
 MORRISVILLE, PA.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:
 Per 100 1000

12 to 15 in., light branched	..... \$1 00	\$7 00
15 to 20 in., 3 or more branches	..... 1 50	10 00
20 to 30 in., 4 or more branches	..... 2 00	15 00
2½ to 3 ft., strong, 6 or more branches	3 00	25 00
3 to 4 ft., extra heavy, 8 or more branches	..... 4 00	30 00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.

Hydrangea Otaksa

For Easter and Decoration Day

Six-inch, pot-grown, well established and set with flower buds.

Otaksa, with 5 and 6 branches, at \$20.00 per 100;
 4 branches at \$15.00 per 100.
 Souvenir de Claire, fine pink same color as
 Gloire de Lorraine Begonia, same price; also
 7-10 branches latter variety, \$25.00 per 100.

Jackson & Perkins Company,

Wholesale Florists and Nurserymen,
 Newark, Wayne Co., New York.

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens,
 Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots,
 Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

GABLE ADDRESS,

ROYAL OUDENBOSCH.

The Holland



Royal Nurseries

P. J. LOOYMANS & ZONEN, Proprietors,
 OUDENBOSCH, HOLLAND.

Our Specialties: The Very Best in the
 Hardy Nursery Stock Line.

ORNAMENTAL and FOREST TREES, for planting Avenues, Parks,
 Villa Grounds, etc. PENDULOUS or WEEPING TREES, ORNAMENTAL
 DECIDUOUS PYRAMIDS and SHRUBS, ROSES (from sandy soil.)

Hardy Ornamental Evergreens (conifers) a Leading Speciality



PRIMULA FORRESTII (Copyright.)

Electros supplied to buyers of seeds or plants at cost price (made in U. S.)

Glorious New Plants from the Chinese Alps.

THESE has been nothing in recent years to surpass our wonderful introductions from China, through our collector, Mr. Forrest. As the introducers of several new species of Primulas, which have taken a remarkably high place in the estimation of experts, we occupy an enviable position.

Growing, as they do, close to the snow line in the mountainous region of Yunnan, China, these Primulas are exceedingly hardy, as well as beautiful: they are altogether unlike our European or American Primroses. The illustration shown gives but a very inadequate representation of the marvellous attraction of these novelties. Most of them have been awarded First-Class Certificates from the Royal Horticultural Society, London.

At the time of writing, another collector, Mr. F. Kingdom Ward is working the Mekong-Salwen divide. The Mekong and Salwen rivers run southward from Central China through Burma and Siam, cutting through vast mountain ranges of immense altitude. It is on the slopes of these snow-capped giants that untold riches of the Chinese Flora flourish unseen and almost unsuspected. We are convinced, from the reports of our collectors, that the plants so far brought to light are but a "drop in the well." So trying is the climate, and so risky the intercourse with natives, that only a mere patch of ground has been covered after several years' strenuous work and the expenditure of considerable sums of money.

Besides these Chinese Novelties, you will be interested in our

ROSES and HARDY PLANTS.

We have a most complete and up-to-date collection, and we are

NOTED FOR QUALITY AND LOW PRICES

Price of New Primulas, Etc.		Seed	Plants
		Per Pkt.	Per doz.
Primula Bulleyana, scarlet and orange	.....	\$1.00	\$3.00
" Beesi-na, velvet purple	.....	1.00	3.00
" Forrestii, rich gold	.....	1.00	3.00
" Littoni na, brilliant red and purple	.....	1.00	5.00
" Malacoides, pale rose	.....	.50	
Incarvillea brevipes, crimson rose	.....	1.00	

Remittance with order.

References: AMERICAN FLORIST, Carl Purdy, D. M. Andrews, American Bankers, S. M. Bulley, Savannah.

CATALOGUES GRATIS.

Write Us This Very Minute, LEST YOU FORGET.

BEES, Ltd., 179 Mill Street, Liverpool, England

Ferns.

4-inch heavy stock, \$12.00 per 100. Boston, Barrowsi and Elegantissima; also 2 1/4-inch Boston, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio
Mention the American Florist when writing

Ferns for Dishes

2 1/4-in Per 100 Per 1000
\$3.50 \$30.00
Asparagus Plumosus, 2 1/4-inch \$3.50 per 100;
\$30.00 per 1000. 3-in. \$6.00 per 100.
500 at 1000 rate. Cash with order.

FRANK OECHSLIN,
4911 Quincey St., CHICAGO
Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.
Prices low. Send for list.

Wood Brothers, FISHKILL, New York.
Mention the American Florist when writing

Robert Craig Co...
HIGH CLASS PALMS
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa

CANNAS

Vaughan's Home Grown Extra Select Stock.

DRY ROOTS for immediate shipment. Every field clump checked in the field when blooming by capable men who know the true type.

Doz.		100		Doz.		100	
Beaute Poitevine.....	\$0.60	\$ 4.00	Long Branch.....	\$0.85	\$ 6.00		
Chas. Henderson.....	.60	4.00	Madame Crozy.....	.60	4.00		
David Harum.....	.60	4.00	Milwaukee.....	.60	4.00		
Dwarf Florence			Multiflora.....	.75	5.00		
Vaughan.....	.60	4.00	Prince Wied, blood-red..	2.50	20.00		
Egandale.....	.60	4.00	Queen Charlotte.....	.60	4.00		
Florence Vaughan.....	.50	3.00	The Express.....	1.00	8.00		
King Humbert.....	.75	5.00	Tisza, new, white.....	.60	4.00		
Leonard Vaughan.....	.60	4.00	Wm Saunders.....	1.00	8.00		

N. B.—Write for prices on any other varieties you need.

Dahlias Remember we also grow large quantities of all the popular cut flower sorts, and shall be glad to submit list.

BOOK FOR FLORISTS READY.

Chicago VAUGHAN'S SEED STORE, New York
Greenhouses, Nursery and Trial Grounds at Western Springs Ill.

LUPINES (Annual), White, Pink, Blue and Yellow. These are the best strain of cut flower sorts. Plant now for quick results. Good plants, \$1.00 per 100; \$9.00 per 1000.
Smilax, strong, 2-in. \$1.50 per 100
Double Fringed Petunias, Rooted Cuttings, mixed \$1.00 per 100; \$9.00 per 1000
Parsley, Double Curled 1.25 per 1000
Pansies (Rawlings' Strain) 2.50 per 1000
Elmer Rawlings, Wholesale Florist, Olean, N. Y.
Mention the American Florist when writing

Cannas In 10 best varieties from \$15.00 per 1000 up. Also 10,000 King Humberts. Write for prices and varieties. Will exchange for R. C. Carnations standard varieties.
W. W. Coles, Kokomo, Ind.

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000		Per 100	Per 1000
Gloriosa.....	\$6 00	\$50 00	Enchantress.....	3 00	25 00
Dorothy Gordon.....	4 00	35 00	Beacon	3 00	25 00
White Perfection	3 50	30 00	Rose Pink Enchantress	2 50	20 00
White Enchantress	\$3 00	25 00	Winsor.....	2 50	20 00

J. D. THOMPSON CARNATION CO.,

Carnation Specialists,

JOLIET, ILL.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.
 Boston Ferns, 5-in., 25c each.
 Whitmani Ferns, 4-in., 25c.
 Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
 Vinca Var., 2-in., 2c.
 Asparagus Sprengeri, 2-in., \$2.50 per 100.
 Asparagus Plumosus, 2-in., \$3.00 per 100.
 Cash with order.

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

Geraniums

S. A. Nutt.....per 1000, \$11.50
 Ricard and Poitevine.....per 1000, 14.00
 March delivery.

Coleus

Verschaffeltii and G. Bedder....per 1000, \$ 6.00
 Standard assorted.....per 1000, 5.00
 Giant leaved.....per 1000, 10.00
 Ready now.

PLUMOSUS

Fine stock.....per 1000, \$25.00

ALBERT M. HERR, Lancaster, Pa.

ROOTED

Carnation Cuttings

	Per 100	1000
Washington.....	\$6.00	\$50.00
Mrs. C. W. Ward.....	3.00	25.00
Beacon.....	3 00	25.00
White Enchantress	3.00	25.00
May Day.....	2.50	20.00
Sangamo.....	2.50	20.00

250 at 1000 rate. Satisfaction guaranteed.

DES PLAINES FLORAL CO., Des Plaines, Ill.

LEEDLE SPRINGFIELD ROSES

2½-in. ROSES 4-in.
 Shipping — Booking — Growing.
 Mention the American Florist when writing

Roses for Forcing

The J. & P. Preferred Stock

We consider the deliveries we are now making to be the best plants we have ever grown. We have a few left for late buyers: **Crimson Rambler**, **White Dorothy**, **Hiawatha**, **Veilchenblau**, **Blue Rambler**; **Philadelphia Rambler**, at \$15.00 per 100. **Tausendschon**, \$10.00. **Dorothy Perkins**, \$12.00.

Baby Roses. **Crimson Baby Rambler**, \$15.00 per 100; **Pink Mrs. Cutbush**, \$15.00 per 100; **White Katherine Zeimeth**, \$15.00 per 100; **Scarlet Jessie**, \$3 per doz.

The Best Baby Rose for Pot Culture.

The Following Bush Roses at \$15.00 per Hundred:

American Beauty, **La France**, **Killarney**, **Hermosa**, **Leonie Jamesch**, **Hugh Dickson**, **Kaiserin Grus an Teplitz**, **Duchess of Albany**, **Etoile de France**, **Clothilde Soupert**, **Maman Cochet**, **Mme. Caroline Testout**, **Anny Muller**, **White Cochet**, **Magna Charta**.

All fine forcing grade, the very best plants selected out of immense blocks. **Half-Standards** **Baby Ramblers**, imported at \$3.00 per doz.

JACKSON & Perkins Co., Rose Growers for the Trade. Wholesale Only.
 NEWARK, NEW YORK.

Mention the American Florist when writing

Commercial Chrysanthemums

The Best Novelties for 1912 are:

White Gloria, **Pink Gem**, **White Perfection**, **Aesthetic**, **Nontero**, **Harvard**, and the two Pompons **Helen Newberry** and **Fairy Queen**.

The Cream of 1911 introductions are:

Smith's Advance, **Unaka**, **Chrysolora**, **Roman Gold** and **December Gem**.

A large stock of the Standard Kinds in the best types for the Commercial Grower. Complete list of Exhibition Sorts.

Catalogue now ready. Free on application.

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

Mention the American Florist when writing

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

Tell Them Where You Saw the Advertisement.



Pteris Magnifica.

THE GEO. WITT BOLD CO. EDGEBROOK, CHICAGO.



Pteris Crotica, albo lineata

Stock Ready for Shipment Now.

Ferns.

BOSTONS.			
Size	Each	Doz.	100
2-in.			1.00
3-in.			2.00
4-in.	\$1.00	8.00	\$25.00
5-in.	1.50	12.00	
6-in.	3.00	20.00	
7-in.	6.00	45.00	
8-in.	\$0.75	9.00	
9-in.	1.00	12.00	
10-in.	1.50	18.00	
12-in.	2.50		
12-in.	3.50		to \$5.00
Boston Fern Baskets, each. \$1.00, 1.50, 2.00			
ASST. FERNS, FOR DISHS, 2-in., \$0.40			
doz.; \$3.00 per 100; \$25.00 per 1,000.			
		Each	Doz.
Cibotium, 7-inch		\$2.50	\$30.00
8-inch		3.00	36.00

Bedding Plants

Althernanthera, red and yellow	Per 1,000 cut-	\$8.00
Achyranthes—rooted cuttings.		
P. de Bailey		8.00
Metallica		6.00
Lindenii		6.00
Warscewiczii		6.00
ACHYRANTHES—2-Inch.	Per 100	
P. de Bailey		\$2.50
Metallica		2.00
Lindenii		2.00
Warscewiczii		2.00
AGERATUM, Stella Gurnay—2-Inch.		2.00
Princess Pauline—2-Inch		2.00
COLEUS ROOTED CUTTINGS.	Per 1000	
Pfister, red and yellow		\$6.00
Beckwith's Gem		6.00
Golden Bedder		6.00
Verschaffeltii		6.00
COLEUS—2-Inch.	Per 100	
Pfister, red and yellow		\$2.00
Beckwith's Gem		2.00
Golden Bedder		2.00
Verschaffeltii		2.00
Gaaphalum Lanatum—2-Inch		2.00
Heliotrope, 2-inch		2.00
Heliotrope, 3-inch		4.00

Bedding Plants.

Ivy, German, 2-inch	100	1000
Lantana Delicatissima, 2-inch	2.00	
Lobelia Catharina Mallard, root-		
ed cuttings		6.00
Lobelia Catharina Mallard, 2-inch	3.00	25.00
Margaritas, yellow cuttings		6.00
Margaritas, yellow, 2-inch	2.00	
SALVIA—Rooted Cuttings.	Per 1000	
Bonfire		\$8.00
Zurich		6.00
SALVIA—2-Inch.	Per 100	
Bonfire		\$2.00
Zurich		2.00
VINCAS—4-Inch.	Doz.	100
		\$2.00 \$15.00

Stove and Greenhouse Plants

Aspidistra, Green	\$0.08 per leaf
Variegated	.15 per leaf
Araucarias—	
4-in., 2-3 tiers	\$.50 each; \$ 6.00 per doz.
6-in., 4-5 tiers	1.00 each; 12.00 per doz.
7-in., 4-5 tiers	1.50 each; 18.00 per doz.
Asparagus Baskets, 1.00, 1.50 and 2.00 each.	
Asparagus Plumosus—	
2-in.	\$.40 per doz.; \$ 3.00 per 100
3-in.	.75 per doz.; 6.00 per 100
4-in.	1.50 per doz.; 12.00 per 100
6-in.	4.00 per doz.; 30.00 per 100
Asparagus, S. D.—	
4-in.	1.50 per doz.
Boxwood Bushes—	
8-in. high	\$.025 each
12-in. high	.35 each
18-in. high	.50 each
24-in. high	1.00 each
Boxwood—	
Globe, 18-in. in diameter	\$2.50 each
Cyperus—3-in.	\$.075 per doz.; \$ 5.00 per 100
4-in.	1.50 per doz.; 10.00 per 100
Dracena Indivisa—	
2-in.	\$.30 per 100; \$25.00 per 1,000
7-in.	\$1.25 each; \$15.00 per doz.
Dracena Massangaana—6-in.	\$1.25 each
7-in.	1.50 each

Bulbs.

	Per 100	Per 1000
Cannas, Chicago	\$250	\$20.00
Egandale	2.50	20.00
Chas. Henderson	2.50	20.00
Dahlias, Thatcher, double yellow	Per 100	\$12.00
Sylvia, light pink		12.00
A. D. Livoni, shell pink		12.00
J. Cowan, single		12.00
J. Downie		12.00
Ami Barilet, single		12.00
Fashion, single		12.00
Gladiolus—	Per 1000	
Mrs. Francis King, 2nd size		12.00
Mrs. Francis King, 3rd size		8.00
Mrs. Francis King, 4th size		6.00
Ismene Calathina, 1st size, 6c each; 2nd size 4c each; 3rd size 2c each.		

Stock for Easter Forcing.

Rhododendrons, 75c, \$1.00 and \$1.25 each.	
Lilac, Marie Legraye	\$1.00 each
Malmia latifolia	\$1.00 each
Spirca, Gladstone	\$3.00 per dozen
Queen Alexandra	\$4.00 per dozen
Japan Maples	\$1.00 each

STOVE AND GREENHOUSE PLANTS.

Dracena Terminalis—	
4-in.	\$.35 each; \$4.00 per doz.
Ficus Elastica (Rubbers)—	
6-in.	\$.50 each; \$6.00 per doz.
Ficus Repens—	
Vines 2 1/2-in.	\$.50 per doz.
Ivy, English—	
3-in.	\$.075 per doz.
4-in.	1.50 per doz.
Pandanus Utilis, 3-in., per doz.	\$1.50

PANDANUS VEITCHII.

	Each	Doz.
4-in.	\$.50	\$5.50
5-in.	.75	9.00
6-in.	1.00	12.00
Tradescantia Variegata (Wandering Jew)—		
2-in.	\$.40 per doz.; \$3.00 per 100	

PALMS

KENTIA BELMOREANA.

Pot	High	Leaves	Doz.	100
2 1/2-in.	8-in.	4	\$1.50	\$12.00
3-in.	8-10-in.	4-5	2.00	15.00
4-in.	12-in.	4	3.60	30.00
4-in.	12-15-in.	4-5	4.50	35.00
5-in.	15-18-in.	5-6	6.00	50.00
			Each	Doz.
5-in.	18-20-in.	5-6	\$0.75	\$ 9.00
6-in.	20-22-in.	6-7	1.00	12.00
6-in.	22-24-in.	6-7	1.50	18.00
7-in.	36-40-in.	6-7	4.50	
8-in.	40-45-in.	7-8	5.50	
9-in.	48-50-in.	7-8	8.00	
9-in.	50-54-in.	7-8	10.00	

ARECA LUTESCENS.

3-in., 3 plants in a pot, \$2.00 per doz.;	\$15.00 per 100.
4-in., 3 plants in a pot, \$3.00 per doz.;	\$25.00 per 100.
7-in., 4-5 plants in a pot, 36-in. high, \$3.00 each.	
8-in., 5-6 plants in a pot, 60-64-in. high, \$5.00 each.	
Cocos Weddelliana, 2 in., \$1.75 per doz.;	\$14.00 per 100; 3-in., \$2.50 per doz.;
\$20.00 per 100.	

LATANIA BORBONICA.

2-in., 1 to 2 lvs.	\$3 per 100; \$25 per 1,000
4-in.	\$3 per doz.; \$20 per 100
5-in.	\$5 per doz.; \$40 per 100
6-in.	\$6 per doz.;

PHOENIX CANARIENSIS.

	High	Each
7-in.	36-40-in.	\$2.50
8-in.	46-50-in.	4.00
10-in.	50-54-in.	8.00
10-in.	60-64-in.	10.00

KENTIA FOSTERIANA.

Pot	High	Leaves	Doz.	100
2-in.	8-10-in.	4	\$1.50	\$12.00
3-in.	12-14-in.	4-5	2.00	15.00
4-in.	14-16-in.	4-5	4.50	35.00
			Each	Doz.
5-in.	20-24-in.	4-6	\$0.75	\$ 9.00
6-in.	24-30-in.	5-6	1.00	12.00
6-in.	30-36-in.	5-6	1.50	
7-in.	36-38-in.	5-6	2.50	
7-in.	38-40-in.	5-6	3.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP.

Pot	High	In a Pot	Each
7-in.	24-30-in.	3-4	\$ 2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	82-70-in.	4-5	15.00

PHOENIX RECLINATA.

4-in.	.25c each; \$3 doz.;	\$20 per 100
5-in.	.50c each; \$5 doz.;	
6-in.	.75c each; \$9 doz.;	

PHOENIX ROEBELENI.

2 1/2-in.	\$.20 per doz.;	\$15.00 per 100
3-in.	\$.30 per doz.;	\$22.50 per 100
5-in.	\$.90 per doz.;	\$70.00 per 100
6-in.	\$1.20 per doz.;	
6-in., strong		\$2.00 each
7-in.		2.50 each

Largest and Best Stock in the West.

We Still Have to Offer

A Fine and Large Stock of

Nepb. Whitmani, Scholzeil, Boston, Scotti, 5½, 6 to 7 in. in sizes, at 35c 40c, 50c, 75c to \$1.00
 Araucaria Excelsa, 5½, 6 to 7 in. in pots, 50c, 60c, 75c, \$1.00 \$1.25 to \$1.50.
 Araucaria Robusta Compacta and Glauca, 6-in. pots, \$1.00, \$1.25 to \$1.50.
 Rubbers, 20 to 35 in., 5½, 6 to 7 in. pots, 37c, 40c 50c, 75c to \$1.00.
 Kentia Belmoreana and Fosteriana, single, 50c, 60c, 75c, \$1.00, \$1.50 to \$2.00.
 Kentia Belmoreana, made up, 60c, 75c, \$1.00.
 Asparagus Plumosus, 2½ to 3 in., 3c to 5c; 4 in., 10c. Sprengerii, 4 in., 10c.
 Willsoni Fern, 6-in. pans 25c.
 Begonia Erfordi, Improved, in bloom 5¼ in., 25c.
 Arca Lutescens, 4 in., made up, 1c to 20c; 5¼ in., 25c.
 Cocos Weddelliana, 3 in., 15c; 4 in., 20c.
 Primula Chinensis, in bloom, 4 in., 10c; 5½ in., \$2.00 per doz.
 We have a big stock of Azaleas for Easter; best varieties 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.
 Cinnearia Hyb., Aschmann's so well known strain, 3 in. 5c; 4 in., 10c; 5½ in., 25c; 6 in., 35c. Cash with order.

Godfrey Aschmann

WHOLESALE FLORIST,

1012 W. Ontario St., Philadelphia, Pa.

GLADIOLI

Mrs. Francis King,
 Mrs. Beecher,
 Augusta, Lizzie,
 Neginscott, Etc.

Lilies, Summer Flowering
 Bulbs and Hardy Plants

E. S. MILLER, Wading River, N. Y.

Canna Roots

Orders booked NOW for Spring Delivery.

Select Division, packed 250 in a box, which are sold at 1000 rate.

	Per 100	Per 1000
Florence Vaughan.....	\$2.00	\$15.00
Jean Tissot.....	2.00	15.00
Louisiana.....	2.00	15.00
Pennsylvania.....	2.00	15.00
Queen Charlotte.....	3.00	20.00
Uncle Sam.....	3.00	20.00
J. D. Eisele.....	2.00	15.00
Patria.....	2.00	15.00
Burbank.....	2.00	15.00
Richard Wallace.....	2.00	15.00

Our full line of stock is in fine sh. pe.

R. VINCENT Jr. & SONS CO., White Marsh, Md.

Orchids

We are now taking orders for early delivery of fresh stock in the spring. Placed early insures best results.

Send for Catalogue.

G. L. FREEMAN, Wellfleet, Mass.

ORCHID PEAT

(Osmunda Fibre)

Price Lists and Samples on request.

THE C. W. BROWNELL CO., WALDEN, N. Y.

Carnation Novelties

We can still quote February delivery on "Wodenehe" and "Brooklyn," at \$12.00 per 100; \$100.00 per 1000.

It will pay you to come and see these two varieties growing.

Still booking orders for

"SUNBURST,"

The Grand New Yellow Rose.

\$30.00 per 100; \$250.00 per 1000, own root. Grafted plants, 5c extra.

By the way, our catalogue was mailed you. Did you receive it? If not, we will only be delighted to send you another.

CHAS. H. TOTTY, Madison, N. J.

Mention the American Florist when writing.

Rooted Carnation Cuttings

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000	Per 100	Per 1000
Beacon.....	\$2 50	\$20 00	Enchantress.....	\$2 00 \$17 50
White Enchantress.....	2 50	20 00	R. P. Enchantress.....	2 00 17 50
R. P. Enchantress.....	2 00	17 50	White Perfection.....	2 00 17 50

PERLE ROSE CUTTINGS.

Ready about February 10. \$2.00 per 100 \$15.00 per 1000.
 Perles 2½-inch. Ready now \$4.00 per 100 \$30.00 per 1000.

PETER REINBERG,

30 East Randolph St., CHICAGO

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Don't Delay Ordering CARNATION BENORA

NOW for seasonable delivery.

Write for descriptive circular. Cultural directions with each shipment.

\$12.00 per 100; \$100.00 per 1000.

PETER FISHER, Ellis, Mass.

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M. LEENDERS & COMPANY,

ROSE GROWERS Tege'en, Holland.
 WRITE FOR PRICE LIST.

Heacock's Palms and Ferns

HOME GROWN.
Strong and Well Established.

Our Palm sales have increased over 44% during the year 1911 over their sales during the previous year. We are still strong on the following sizes.

Kentia Belmoreana.			
Pot.	Leaves	In. high.	Each Doz.
2½ in.	4	8 to 10	\$ 1 50
3 in.	5	12	2 00
5 in.	6 to 7	18	\$0 50 6 00
6 in.	6 to 7	24	1 00 12 00
Ced'r tub. L'va. In. high.			
7 in.	6 to 7	34 to 36	\$2 50 \$30 00
7 in.	6 to 7	36 to 38	3 00 36 00
9 in.	6 to 7	40 to 45	4 00 48 00
9 in.	6 to 7	42 to 43	5 00
9 in.	6 to 7	48 to 54	6 00
Cocos Weddelliana.			
Pot.	In. hixb.		100
2½ in.	8 to 10		\$10 00

Kentia Forsteriana.			
Made Up.			
Cedar tub.	Plants.	In. high.	Each Doz.
7 in.	4	36	\$2 50 \$30 00
7 in.	4	36 to 40	3 00 36 00
9 in.	4	40 to 42	4 00 48 00
9 in.	4	42 to 48	5 00 60 00
Cibotium Schlegel.			
Cedar tub.	Spread		Each
9 in.	4 to 5 feet		\$4 00 to \$5 00
9 in.	5 to 6 feet		6 00

Areca Lutescens.			
Cedar tub.	Plants in tub.	In. high.	Each
9 in.	Several	5 ft	\$7 50
Phoenix Roebeleni.			
Pot.			Each
5 in.	n nicely characterized		\$1 00
6 in.	18 to 20 in. spread		1 50
Cedar tub.			
7 in.	High.	Spread.	Each
7 in.	18 in.	24 in.	\$2 00

JOSEPH HEACOCK CO.,

Wyncote, Pa.

Railway Station, Jenkintown.

200,000 CARNATIONS

We are rooting over 200,000 this season. Our stock of Pure White Enchantress and Enchantress is hard to beat. Five per cent off for cash orders received by Feb. 1.

Enchantress	100	100
Pure White Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Mrs. C. W. Ward	3.50	30.00
Dorothy Gordon	3.50	30.00
White Wonder	6.00	50.00

250 at 1000 rates. Cash or reference.

Smith & Gannett, Geneva, N. Y.
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ROOTED CUTTINGS

Prepare NOW for Spring. NOW is the time to buy the cuttings. They are good now. If you wait until late Spring you cannot get as good. Our cuttings now are grand, and will make the price as follows for a few weeks: VERBENAS, 60c per 100; \$5.00 per 1000. SALVIAS, 80c per 100; \$7.00 per 1000. COLEUS, 70c per 100; \$6.00 per 1000. GIANT DBL. ALYSSUM, 80c per 100. AGERATUMS, 60c per 100; \$5.00 per 1000. PETUNIAS, \$1.25 per 100; \$10.00 per 1000. PELARGONIUMS, \$2.50 per 100; \$22.00 per 1000. HELIOTROPE, 80c per 100; \$7.00 per 1000. DAISIES, \$1.00 per 100; \$8.00 per 1000. Express paid. Cash with order.

S. D. BRANT, Clay Center, Kansas.
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Boston Ferns...

2½ in., \$3.00 per 100; \$30.00 per 1000.
WHITMANI
2½ in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.
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—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J

CARNATIONS

F. DORNER & SONS CO.

La Fayette, Indiana.

STOCK ALWAYS NEEDED

Small Ferns, for dishes, Pteris Mayi, Serrulata Cristata Variegata, Wimsetti, Cretica Alba Lineata, \$3.00 per 100, \$25.00 per 1000.
Aspidium Tsussimense and Cyrtomium Falcatum, \$3.50 per 100, \$30.00 per 1000.
Asparagus Plumosus, 2½ in., \$3.00 per 100, \$25.00 per 1000.
Asparagus Sprengeri, 2½ in., \$2.50 per 100, \$22.00 per 1000.
Pandanus Urtills, 3 in., \$10.00 per 100; 4 in., \$20.00 per 100.
Cocos Weddelliana, 2½ in., \$10.00 per 100.
Anthericum Variegatum, 4 in., strong, \$8.00 per 100.

Rhododendron, Special forcing varieties, 8 to 12 buds, 18 in. high, 75c each; 12 to 14 buds, 24 in. high, \$1.00 each. Bright colored sorts with perfect foliage.
Azaleas Mollis, easily forced, 12 to 15 in. high, full of buds 25c each; 15 to 18 in. high, full of buds, 35c each.
Kentia Belmoreana, 6 in. pots, 5 to 6 leaves, 24 in. high, \$1.00 each; 7 in. pots, 6 leaves, 24 to 26 in. high, \$1.50 each.
Kentia Forsteriana, 7 in. pots, 40 to 44 in. high, 5 to 6 leaves, \$2.50 each; 8 in. pots, 44 to 48 in. high, 5 to 6 leaves, \$3.50 each.

BEDDING STOCK

Heliotrope, Czar, Czarina, Jersey Beauty, etc. \$2.50 per 100.
Coleus, Beckwith Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100, \$20 per 1000.
Geraniums, standard market sorts, \$3 per 100, \$25 per 1000.
Flowering Begonias, good assortment, \$3 per 100.

Croton Aurea Maculata, 3-in. pot plants, \$3 per 100.
English Ivy, strong 4-in., 3 to 4 ft. of tops, \$12 per 100; 2-in. pots, \$3.50 per 100.
Violets, Hardy English or Russian, 2-in., \$5 per 100, \$45 per 1000.

Forcing Spirea Clumps, Extra Quality

	Per 100	Per 1000
Floribunda	\$ 5.00	\$45.00
Gladstone	10.00	90.00
Superba	6.00	

No better proposition for Easter or Memorial Day.

THE STORRS & HARRISON CO., Painesville, O.

PALMS, FERNS AND

Decorative Plants

JOHN SCOTT, Ratland Rd. & E. 45th St. BROOKLYN, N. Y.

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PRIMULAS, Obconica and Chinese, in bloom, \$5.00 per 100; 2½ in., ready for 4 in. pots, \$1.50 per 100, \$12.50 per 1000. SPRENGERI, fine 2½ in., \$1.50 per 100, \$12.50 per 1000. CINERARIAS, Dwarf Prize; SNAPDRAGONS; BOUBLE ALYSSUM; HELIOTROPE: fine 2½ in., \$2.00 per 100, \$20 for \$5.00. FERNS, Whitmani, 4-in., \$10.00 per 100. HARDY IVY, 3 to 4 ft., 4-in., fine, \$8.00 per 100. VINCA, Variegated, 4-in., \$7.00 per 100.

J C. SCHMIDT, Otter and Maple Sts., BRISTOL PA.

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Asparagus.....

1000 100
Plumosus, 2¼ in. pots... \$18 00 \$2 00

Primroses
Per 100
Obconica Gigantea 2¼ in. pots... \$2 50
Obconica Alba and Rosea, 2¼ in. pots... 1 50

Single Grant Geraniums
2¼ inch pots per 100, \$1 50
Alternanthera, rooted cuttings, red and yellow per 100, 50c
Canna Chas. Henderson, dry bulbs, 2 and 3 eyes per 100, \$2.00
Cash.

JOS. H. GUNNINGHAM, Delaware, Ohio.

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Achyranthes, rooted cuttings; P. de Balley, Metallica, Linden, Warszewiczii, \$6 per 1,000; 2-in. P. de Balley, \$2.50 per 100; Metallica, Linden, Warszewiczii, \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

AGERATUMS.

Ageratum, Stella Gurney, Princess Pauline, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ageratum, 60c per 100; \$5 per 1,000. S. D. Brant, Clay Center, Kans.

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Alternantheras, red and yellow, cuttings, \$6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Alternantheras, R. C., red and yellow, 50c per 100. Jos. H. Cuaningham, Delaware, O.

ARAUCARIAS.

Araucarias, excelsa, 5 1/2-in., 6 to 7-in., 50c, 60c, 75c, \$1, \$1.25 to \$1.50. Robusta compacta and glauca, 6-in., \$1, \$1.25 to \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechslin, 4911 Quincy St., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus baskets, \$1, \$1.50 and \$2 each. Plumosus, 2-in., 40c per doz.; \$3 per 100; 3-in., 75c per doz.; \$6 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 6-in., \$4 per doz.; \$30 per 100. Asparagus S. D., 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus plumosus nanus, from 2 1/4-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus nanus, 2 1/4-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus plumosus, 2 1/4-in., \$3 per 100; \$25 per 1,000. Sprenger, 2 1/2-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus plumosus, 2 1/2-in. pots, \$3; 3-in. pots, \$4 per 100. Asparagus Sprenger, 2-in. pots, \$2; 3-in. pots, \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprenger, 2 1/2-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2 1/2-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprenger, can be shifted into 5-in., \$6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, 2-in., \$2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus plumosus, 2 1/4-in., \$2 per 100; \$18 per 1,000. Joseph H. Cuaningham, Delaware, O.

Asparagus Hatcheri and Plumosus nanus. A. N. Pierson, Inc., Cromwell, Conn.

Asparagus plumosus, \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus and Sprenger plants. W. H. Elliott, Brighton, Mass.

ASPIDISTRAS.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

AZALEAS.

Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea Mollis, 12 to 15 ins., 25c each; 15 to 18 ins., 35c each. Storrs & Harrison Co., Painesville, O.

Hardy Azalea mollis, \$4.50 per doz.; \$35 per 100. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonias, Lorraine and Cincinnati. A. N. Pierson, Inc., Cromwell, Conn.

Wanted—300 Begonia Metallica. Send sample and state price. Calvert Floral Co., Lake Forest, Ill.

Begonias, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Rex begonia, assorted, 3-in., \$5 per 100. The Dingee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, bushes, 8 ins. high, 25c each; 12 ins., 35c; 18 ins., 50c; 24 ins., \$1. Globe, 18 ins. in diameter, \$2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Boxwood, Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

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Bulbs, hyacinths, tulips, narcissus, crocus, spiraea, gladiolus, peonies, etc. Van Zanten Bros., Hillegom, Holland.

Narcissus, Paper White, 13 ctms., \$1 per 100; \$8.50 per 1,000. Scranton Florist Supply Co., 201 N. Seventh Ave., Scranton, Pa.

Gladiolus, Mrs. Francis King, 2nd size, \$12 per 1,000; 3rd size, \$8; 4th size, \$6. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Bulbs, begonias and gloxinias. For varieties and prices see advertisement elsewhere in this issue. A. Henderson & Co., 30 E. Randolph St., Chicago.

Gladiolus, best florists sorts. Cannas, dahlias, peonies, etc. C. Betscher, Canal Dover, Ohio.

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Bulbs. Burnett Bros., 72 Cortlandt St., New York.

Bulbs. Surplus of L. Multiflorus, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

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Cannas, selected, plump, sound, 2, 3 and 4 eye pieces. Allemannia, Austria, Bursbank, \$11.50 per 1,000. Alsace, A. Bouvier, Chas. Henderson, Chicago, Louisiana, Mlle. Berat, Musæfolia, Pres. McKinley, J. D. Elsele, Wm. Boffinger, \$15 per 1,000. Crimson Bedder, Egandale, Florence Vaughan, Louis Luray, Pres. Cleveland, \$18 per 1,000. Beaute Poitevine, Black Prince, Buttercup, Brandywine, D. Harum, Mme. Crozy, Martha Washington, Niagara, S. de Ant. Crozy, West Grove, Wyo., \$20 per 1,000. Hiawatha, King Humbert, Sam Treife, Venus, Multiflora, \$25 per 1,000, and for 80 more kinds ask for price list. Shellroad Greenhouses, Grange, Baltimore, Md.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crimson Bedder, Chas. Henderson, David Harum, Allemannia Sheandosh, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

Cannas, Chicago, Egandale, Chas. Henderson, \$2.50 per 100; \$20 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Beddington, 342 W. 14th St., New York.

Cannas, 10 best vars., from \$15 per 1,000 up; also 10,000 King Humberts. W. W. Coles, Kokomo, Ind.

Cannas. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

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Strong, rooted stem cuttings, Winsor and Victory, \$15 per 1,000. C. W. Ward, White Perfection, White Enchantress, \$20 per 1,000, 100 at 1,000 rate. Write for prices on large lots. Northwestern Floral Co., Gross Point, Ill.

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Carnations, Washington, \$6 per 100; \$50 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000. Beacon, \$3 per 100; \$25 per 1,000. White Enchantress, \$3 per 100; \$25 per 1,000; May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000. White Wonder, \$6 per 100; \$50 per 1,000. Smith & Gan-nett, Geneva, N. Y.

Carnations, Beacon, White Enchantress, \$2.50 per 100; \$20 per 1,000. Rose Pink Enchantress, Enchantress White Perfection, \$2 per 100; \$17.50 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Carnations, Wodeneth, Brooklyn, White Winsor, Mrs. C. W. Ward, White Perfection, White Enchantress, Beacon and Winsor. A. N. Pierson, Inc., Cromwell, Conn.

Carnations, Washington, \$6 per 100; \$50 per 1,000. White Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnation, White Wonder, \$12 per 100. \$100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnation Benora, \$12 per 100; \$100 per 1,000. Peter Fisher, Ella, Mass.

Carnation Rainbow, \$12 per 100; \$100 per 1,000. Wanoka Greenhouses, Barneveld, New York.

Carnations. Wood Bros., Fishkill, N. Y.

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CHRYSANTHEMUMS.

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Crimson.	R. C. Per 100.	Per 1,000.
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White.	R. C. Per 100.	Per 1,000.
Alice Byron	\$2.00 \$15.00
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Virginia Pochlmann	2.00 15.00
October Frost	2.00 15.00
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Maj. Bonaffon	2.00 15.00
Pink.	R. C. Per 100.	Per 1,000.
Pacific Supreme	\$2.00 \$15.00

J. D. THOMPSON CARNATION CO.,
JOLIET, ILL.

Chrysanthemums, Chadwick Supreme, Smith's Advance, Roman Gold. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemum Fairy Queen, pompon, young plants from pots, \$2.50 per doz.; \$15 per 100. Hartje & Elder, Indianapolis, Ind.

Chrysanthemums, 2-in. pots, Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, \$7 per 100. Ell Cross, Grand Rapids, Mich.

Chrysanthemums, Early Snow, Estelle, Golden Glow, Pacific, Supreme, Bonnaffon, J. Nomin, Nagora, rooted cuttings, \$1 per 100. Edward Wallis, Atco, N. J.

If you are looking for good stock of Muma, Geraniums, Cannas, Vincas, Ferns, etc., write to R. F. Gloede, Evanston, Ill.

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

Chrysanthemums, leading vara. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, the largest flowering grown, fine 3-in., \$3.50 per 100. J. W. Miller, Shiremans-town, Pa.

CLEMATIS.

Clematis paniculata, strong plants from 4-in. pots, 2-year-old, \$10 per 100; plants from open ground, \$5 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Recae Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Beckwith's Gem, Her Majesty, Queen of Weat, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storra & Harrison Co., Painesville, O.

Coleus, rooted cuttings, Pfister, Beckwith's Gem, Golden Bedder, Verschaffeltii, \$6 per 100; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus, Verschaffeltii and Golden Bedder, \$6 per 1,000. Standard, assorted, \$5; Giant Leaved, \$10. A. M. Herr, Lancaster, Pa.

Coleus, 70c per 100; \$6 per 1,000. S. D. Brant, Clay Center, Kans.

Coleus, A. N. Pierson, Inc., Cromwell, Conn.

CROTONS.

Coleus, rooted cuttings, Pfister, Beckwith's Gem, Golden Bedder, Verschaffeltii, \$6 per 100; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Crotona, Aurea maculata, 3-in., \$8 per 100. Storra & Harrison Co., Painesville, O.

CYCLAMENS.

Cyclamen persicum giganteum, mixed colors, 4-in., 25c each; 5-in., \$9 per doz.; 6-in., \$12 per doz. In full bloom. Order quick. R. J. Southerton, Highland Park, Ill.

CYPERUS.

Cyperus, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlias, For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, new and standard varieties. Bassett & Weller, Hammondt, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAISIES.

Daisies, Giant Paris, from 2 1/2-in. pots, \$3 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia, Pa.

Daisies, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

Marguerites, yellow, cuttings, \$6 per 1,000; \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DEUTZIAS.

Deutzia gracilis, 20c each; \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracena indivisa, 2-in., \$3 per 100; \$25 per 1,000; 7-in., \$1.25 each; \$15 per doz. Dracena Massangana, \$1.25 each; 7-in., \$1.50 each. Dracena terminalis, 4-in., 35c each; \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., \$15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracena indivisa, 3-in. pots, \$4 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracae Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emman, Newton, N. J.

FERNS.

Ferns, Boston, 2-in., \$3 per 100; \$25 per 1,000; 3-in., \$1 per doz.; \$8 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; \$45 per 100; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz.; 10-in., \$2.50 each; 12-in., \$3.50 to \$5 each. Boston fern baskets, \$1, \$1.50 and \$2 each. Assorted ferns for dishes, 2-in., 40c per doz.; \$3 per 100; \$25 per 1,000. Cibotium, 7-in., \$2.50 each; \$30 per doz.; 8-in., \$3 each; \$36 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes, 2 1/4-in., Pteris Mayli, Wilson, Wimssett, Alba Lineata, 50c per doz.; \$3 per 100; \$25 per 1,000. Cyrtomium falcatum, and Aspidium tussimense, 50c per doz.; \$3.50 per 100; \$30 per 1,000. Wilson and Wimssett, 3-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Drawer V, Chicago.

Ferns for dishes. Pteris Mayli, Serrulata cristata variegata, Wimssett, Cretica albo lineata, \$3 per 100; \$25 per 1,000. Aspidium tussimense and Cyrtomium falcatum, \$3.50 per 100; \$30 per 1,000. Storrs & Harrison Co., Painesville, O.

ROOSEVELT FERN is a winner. We offer 2 1/2-in., \$2 per doz.; \$15 per 100; 3-in., \$2.50 per doz.; \$17.50 per 100. F. O. E. here. THE CONARD & JONES CO., West Grove, Pa.

5,000 Boston ferns for 6-in., 25c; strong, healthy stock. Orders booked now for Boston and Whitman, strong runners for 2 and 3-in., \$20 per 1,000. Cash. A. G. Lake, Wellesley Hills, Mass.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000. Ferns, strong plants, 2-in., \$3 per 100; \$25 per 1,000. Adiantum Farleyense, strong plants, 4-in., \$4 per doz. Cash please. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$4 per 100; also clumps out of bench, \$30 per 100. Crownam, good size clumps, \$10 per 100. Write for particulars. Fred Hall, Montclair, Colo.

Ferns, Amepohli, Barrowsil, Scottii, Elegantisima, Boston, Jackson, Sword and Whitman, from 4-in. pots, \$15 per 100. Same variety, 2 1/2-in., \$4 per 100. The Dince & Conard Co., West Grove, Pa.

Ferns, Boston, Whitman, Scholzei, Scottii, 4-in. pots, \$2 per doz.; 5-in. pots, \$3 per doz. C. Elsele, 11th and Westmoreland Sts., Philadelphia, Pa.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrowa & Son, Whitman, Mass.

Ferns, For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/4-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, 4-in., \$12 per 100, Boston, Barrowsil, Elegantisima. Also 2 1/4-in. Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emman, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNs, 4-in., Boston, fine stock, \$14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Bobbink & Atkins, Rutherford, N. J.

Ferns. A. N. Pierson, Inc., Cromwell, Conn.

FEVERFEW.

Feverfew, large double white, \$1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus elastica, 6-in., 50c each; \$6 per doz; Ficus ripens, 2 1/2-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, \$25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

ROOTED GERANIUM CUTTINGS. S. A. Nutt (dark red), Gen. Grant (bright red), Mme. Buchner (dbl. white), \$1.50 per 100; \$14 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, standard sorts, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emmana, Newton, N. J.

Geraniums, S. A. Nutt, \$11.50 per 1,000. Ricard and Poitevine, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums wanted, Baricade and Able Le France. Iowa Seed Co., Des Moines, Iowa.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens of all kinds. For prices see advertisement elsewhere in this issue. J. H. Von Canon & Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. A. Lecakea & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It!

Greens, wild amlax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodman Co., Evergreen, Ala.

HARDY PLANTS.

Moonvines, white, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Herbaceous plants. Bobbick & Atkins, Ruthersford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 2-in., \$2 per 100; 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope, 80c per 100; \$7 per 1,000. S. D. Brant, Clay Center, Kans.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otaku, 5 to 6 branches, \$20 per 100; 4 branches, \$15 per 100. Souvenir du Chaire, same price; also 7 to 10 branches, latter variety, \$25 per 100. Jackson & Perkins Co., Newark, New York State.

Hydrangea Mme. Emile Mouillere, 3-in., \$3 per doz.; \$25 per 100. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hydrangea Otaku, 6-7 inch, 3 to 4 flowering stems, \$5 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, German, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivies, German, 60c; Eng., 75c, prepaid. Chas. Frest, Kenilworth, N. J.

English ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

LILACS.

Lilacs, M. Legraye, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lilacs, Marie Legraye, \$6 per doz.; \$50 per 100. 714 Chestnut St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the valley, Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, Chicago Market Brand, \$2 per 100; \$16 per 1,000. Early forcing Valley, \$1.50 per 100; \$14 per 1,000. H. N. Bruns, 3038-40-42 W. Madison St., Chicago.

LOBELIAS.

Lobelias Kathleen Mallard, rooted cuttings, \$6 per 1,000; 2-in., \$3 per 100; \$25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lobelia Kathleen Mallard, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushroom Spawm. Lambert's Pure Culture. American Spawm Co., St. Paul, Minn.

NURSERY STOCK.

Altheas, Hydrangeas, Privet, Barberries, Philadelphus, Spireas, Deutzias, Forsythias, Weigelas, Viburnums.

Write for prices and sizes.

THE CONARD & JONES CO., West Grove, Pa.

Japan Maple, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

2,750 Spirea Van Houttei, 2 1/2 to 3 1/2 feet, \$7 per 100. 800 Berberis Vulgaris, 2 1/2 to 3 1/2 feet, \$8 per 100. Send for additional lists and prices. Henry Lake Sons Co., Nurserymen, Black River Falls, Wis.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Aodern Nurseries, Cheatum Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleys and Laelin Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$1.50 per doz. Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms. Per varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Wanted—5 dozen A No. 1 Kentia Palms about 48 inches high. Must be a bargain. H. G. Young, 10 N. Western Ave., Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms, big stock, write for prices. Holton & Hunkel Co., Milwaukee, Wis.

Palms. McHutchison & Co., 17 Murray St., New York.

Palms. A. N. Pierson, Inc., Cromwell, Conn.

PANSIES.

SOMETHING NEW, something different from our gardens, the PANSY WONDERLAND. New color. Plate catalogue ready in February tells all about "MASTODONS," the premier mixed strain of pansies. Plants per 100, 50c; per 1,000, \$3; seed, 1-12 oz., \$1; oz., \$9. STEEL'S MASTODON PANSY GARDENS, Portland, Ore.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, \$2.50 per 1000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1000. Elmer Rawlings, Olean, N. Y.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5 1/2 and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIMULAS.

Miller's Giant Obconica, average larger than silver dollars. Fine 3-inch, \$5 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Primulas. For varieties and prices see advertisement elsewhere in this issue. Bees, Ltd., 179 Mill St., Liverpool.

PRIVET.

200,000 Cnl. Privet, 2-year, \$12 per 1,000; 4 to 6 branches and up; large stock Ampelopsis Veitchii, Clematis Paniculata, 1, 2 and 3-year-old, fine stock Hydrangeas, English Ivy, Shrubs, Vines, Dahlias and Cannas. Get my list; it will pay you. Benj. Connell, Florist, Merchantville, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingle & Conard Co., West Grove, Pa.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 8 to 12 buds, 18 ins., 75c each; 12 to 14 buds, 24 ins., \$1 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 75c, \$1 and \$1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROSES.

ROSES. Send for complete list. Per 100 American Pillar, 3-year.....\$35.00 American Pillar, 2-year.....25.00 Dorothy Perkins.....12.00 Lady Gay, 4 to 5 ft.....16.00

THE CONARD & JONES CO., WEST GROVE, PA.

ROOTED ROSE CUTTINGS. Per 100 Per 1,000 Richmond.....\$2.00 \$15.00 Pink Killarney.....3.00 30.00 White Killarney.....2.50 20.00 Satisfaction Guaranteed—Ready Now.

GEO. REINBERG,

162 N. Wabash Ave. Chicago, Ill.

Roses, Double White Killarney, Killarney Queen, Sunburst, Lady Hillingdon, Mrs. Aaron Ward, Melody, Killarney, White Killarney, Richmond, Mrs. Taft, Double Pink Killarney, My Maryland, Radiance. A. N. Pierson, Inc., Cromwell, Conn.

ROSES.* Own-root, My Maryland, Pink Killarney, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/4-in., pots, \$5 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Perles, cuttings, \$2 per 100; \$15 per 1,000; 2 1/2-in., \$4 per 100; \$30 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Seeds, vine seeds, Rocky Ford cantaloupe, muskmelon and cucumber seed. The Ebbert Seed Co., Rocky Ford, Colo.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, New York State.

Roses, Luise Lilia (H. T.), \$3 each; \$20 per 10. Furstin Pless (Rugosa H. T.), \$3 each; \$20 per 10. Peter Lambert, Trier, Germany.

Roses, Kaiserin, \$3.50 per 100; \$25 per 1,000; Perle, \$3.50 per 100; \$25 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Rose Lady Hillingdon. Waban Rose Conservatories, Natick, Mass.

Roses, Pink Killarney. W. H. Ellett, Brighton, Mass.

Rose White Killarney. A. N. Pierson, Inc., Cromwell, Conn.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, rooted cuttings, Bonfire, Zurich, \$6 per 100; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Salvias, 80c per 100; \$7 per 1,000. S. D. Brant, Clay Center, Kans.

Salvias. A. N. Pierson, Inc., Cromwell, Conn.

SEEDS.

SOW NOW if you want them for early Spring sales. 6 tr. Tr. Pkts. Pkts.

Begonia Bedding Queen, finest pink \$2.50 \$0.50 " Gracilis luminosa, finest red 2.50 .50 " Triumph, finest white..... 2.50 .50 O. V. Zangen, Hoboken, N. J.

European gladiolus seed from W. Manger & Sons' unrivalled collection. 1,000 seeds in original packets, \$1.00. Cash with order. H. Youell, 538 Cedar St., Syracuse, N. Y., Agent for U. S. and Canada.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Deuqlas Co., Neb.

Seeds, Asparagus plumosus varus, per 100 seeds, 60c; 250 seeds, \$1.25; 1,000 seeds, \$4; 3,000 seeds, \$3.75 per 1,000. Vaughan's Seed Store, Chicago and New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Seeds, cucumber, squash, corn, etc. James J. H. Gregory & Son, P. O. Box A, Marblehead, Mass.

Flower seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, watermelon and muskmelon. J. Frank Corry, Enid, Okla.

Seeds, beet, carrot, parsley, parsnips, leek, radish, celery. I. N. Simon & Son, 6 No. Front St., Philadelphia, Pa.

Seeds, cabbage, cauliflower and root seeds. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, beet, carrot, parsley, parsnips, radish, celery. I. N. Simon & Son, 6 No. Front St., Philadelphia, Pa.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seeds, lawn grass. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Onion seed and onion sets. Schilder Bros., Chillicothe, Ohio.

Seeds. Farmer Seed and Nursery Co., Faribault, Minn.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, sunflower, \$3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds. Kelway & Son, Langport, England.

SMILAX.

Smilax, 3-in. pots, \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

3,000 Spirea Van Houttei, 2-yr., 2 1/2 to 3 1/2 ft. Send for prices; additional lists and catalogue. Henry Lake Sons Co., Nurserymen, Black River Falls, Wisconsin.

Spirea Gladstone, \$3 per doz. Queen Alexandra, \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Spireas, clumps. For varieties and prices see advertisements elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

TRADESCANTIA.

Tradescantia, variegated, 2-in., 40c per doz.; \$3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VERBENAS.

VERBENAS—Our selection of rooted cuttings, 75c per 100; \$6 per 1,000. Plants, 2 1/2-in., \$2.50 per 100; \$20 per 1,000. Purchaser's Selection, rooted cuttings, 90c per 100; \$8 per 1,000. Plants, \$3 per 100; \$25 per 1,000. NEW VARIETIES, cuttings, \$1 per 100; plants, \$4 per 100. J. L. DILLON, Bloomsburg, Pa.

Verbenas, 60c per 100; \$5 per 1,000. S. D. Brant, Clay Center, Kans.

Lemon Verbenas, rooted cuttings, 75c per 100. prepaid. Chas. Frost, Kenilworth, N. J.

VINCAS.

Vincaa, 4-in., \$2 per doz.; \$15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca variegata, R. C., \$1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hot-bed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frame, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Steel and iron work. Scully Steel and Iron Co., Chicago and New York.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Best article for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

INSECTICIDES

Insecticides, Aphine, \$1 per quart; \$2.50 per gal. Fungicide, 75c per quart; \$2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, \$1.50. Nikoteen Aphid Punk, \$6.50 per case of 12 paraffined boxes.

FERTILIZERS.

HARDWOOD ASHES, best fertilizer in use. GEORGE STOVENS, Peterborough, Ont.

Domoto plant food, 25c per package. North American Mercantile Co., San Francisco, Calif.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame bowers. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, buildlers of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, buildlers of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Calkley & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Dea Plains, Ill.

MATS.

The cheapest and most practical Hotbed and Cold Frame Mat on the market. Send for circular and price list. Watts Bros., Kermoor, Pa.

MISCELLANEOUS.

Sunlight double glass sash. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Pillsbury's Carnation Staplea, 50c per 1,000, postpaid. I. L. Pillsbury, Galeaburg, Ill.

Tobacco stems. H. Munson, 1405 Wells St., Chicago.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Wagner plant boxes for palms, boxwood, hay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hot-beds and cold frames: Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

SEEDLING TRANSPLANTER.

For Sale—My Seeding Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, \$5; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c per 1,000, \$5. Vaughan's Seed Store, Chicago.

WHOLESALE CUT FLOWERS.

Allen, J. K., New York.

Amiling Co., E. C., Chicago.

Angermueller, Geo. H., St. Louis, Mo.

Badgley, Riedel & Meyer, Inc., New York.

Bassett & Washburn, Chicago.

Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

Critchell, C. E., Cincinnati, O.

Deannud Co., J. B., Chicago.

Elliott, W. H., Brighton, Mass.

Ford, M. C., New York.

Froment, H. E., New York.

Greater N. Y. Florists' Ass'n., New York.

Growers' Cut Flower Co., New York.

Gunther Bros., New York.

Hoerber Bros., Chicago.

Hoffmeister Floral Co., Cincinnati, O.

Holton & Hunkel Co., Milwaukee, Wis.

Hunt, E. H., Chicago.

Kasting Co., Wm. F., Buffalo, N. Y.

Kennicott Bros. Co., Chicago.

Kessler, Wm. A., New York.

Kruchten, John, Chicago.

Kuebler, Wm. H., Brooklyn, N. Y.

Kuehn, C. A., St. Louis, Mo.

Kyle & Foerster, Chicago.

Lecakes & Co., New York.

McCallum Co., Pittsburg, Pa., and Cleveland, O.

McCullough's Sons Co., J. M., Cincinnati, O.

McKellar, Chas. W., Chicago.

Meoni, Paul, New York.

Mitlang, Chas., New York.

Moltz & Co., New York.

Moore, Hentz & Nash, New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, New York.

Niessen Co., The Leo, Philadelphia, Pa.

Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.

Rice Bros., Minneapolis, Minn.

Rusch & Co., Gast, Milwaukee, Wis.

Fennock-Meehan Co., S. S., Philadelphia.

Percy Jones, Chicago.

Pittsburg Cut Flower Co., Pittsburg, Pa.

Peohlmann Bros. Co., Chicago.

Pollworth Co., C. C., Milwaukee, Wis.

Seattle Cut Flower Exchange, Seattle, Wash.

Sheridan, W. F., New York.

Smith, P. J., New York.

Smith, Wm. C., St. Louis, Mo.

Thompson Carnation Co., J. D., Joliet, Ill.

Totty, Chas. H., Madison, N. J.

Traendly & Schenck, New York.

Welland & Riech, Chicago.

Welsh Bros., Boston, Mass.

Wletor Bros., Chicago.

Winterson Co., Ed., Chicago.

Wittbold Co., The Geo., Chicago.

Vaughan, A. L. & Co., Chicago.

Young & Co., A. L., New York.

Zech & Mann, Chicago.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Here Are Six Men's Opinions Of Our Iron Frame House.



Peter Olsen.

"Nine years ago Lord & Burnham Co. put up for us an Iron Frame House, 30 feet wide by 300 feet long. From that day to this we have not spent a cent for repairs. Today that house stands solid as a rock, and, as far as we can see, is as good as the day it was put up."



Fred Burki.

"When we get greenhouse material from the Lord & Burnham Co. we can depend on getting a satisfactory house that will stand up and is easy for our carpenter to erect, as L. & B. furnish detail plans for same each time. We now have six of their Iron Frame large houses."



Wm. Sim.

"I now have my fifth L. & B. greenhouse. From observations I find no other can compare with them. All things considered, I find they are easily built, more durable, and cost less."



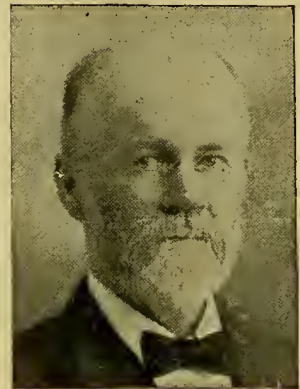
Komitsch & Junge.

"Nine years ago we bought material from L. & B. for greenhouses. Since then we have erected both L. & B. Pipe Frame Houses and L. & B. Iron Frame Houses, sixteen in all. In that time we have become convinced that the L. & B. houses are A No. 1. Absolutely the best and most durable house that can be bought."



J. Van Lindley.

"In regard to the 42 ft. 6 in. by 200 ft. greenhouse, for which you furnished us material during the summer of 1910. This house is now in carnations, and has the best crop of anyone on the place. The fact that we are giving your Mr. Wright an order for a 300-foot addition is pretty conclusive evidence that we are pleased with same."



Jos. Heacock.

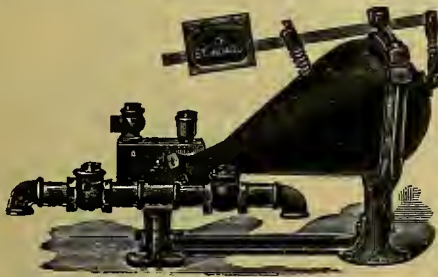
"Before giving out the contract we had an estimate from another construction company for a house of the same size. While there was over \$3,000 difference between the two bids, we decided that the Lord & Burnham house was the cheaper at the higher figure. We see no reason to regret our decision."

Lord & Burnham Co. Factories: **Irvington, N. Y., and Des Plaines, Ill.** **New York** St. James Bldg. **Boston** Tremont Bldg. **Philadelphia** Franklin Bank Bldg. **Chicago** Rookery Bldg.

Worcester, Mass.

At the meeting of the Worcester Horticultural Society held January 25, Dr. E. F. Bigelow spoke on "Haunts of Nature," and on February 1 Charles H. White, agricultural field agent, spoke on "Agricultural Development in Worcester." The new calanthe exhibited by George McWilliam at the meeting held January 11 was Calanthe Laselliana, the parentage being C. vestita oculata gigantea X C. McWilliamii.

Mayor David F. O'Connell's plan for a municipal market was given enthusiastic endorsement at a meeting of the committee on legislative affairs of the city council January 26. Prominent citizens, including Hon. John R. Thayer and others, appeared before the committee favoring the plan. The Worcester County Market Gardeners' Association also warmly endorsed it through President A. S. Wolf of Auburn. M. W. R.



Standard Steam Traps

The simplest, most durable and up-to-date steam trap on the market.

Ask the man who owns one

Catalogue sent on request.

E. HIPPARD CO., Youngstown, Ohio

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.

The National Florist's Board of Trade, 56 Pine St., NEW YORK

Let us quote you on new and second-hand

BOILERS, PIPE, FITTINGS, GLASS, Greenhouse Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO., 1394-1412 Metropolitan Ave., Brooklyn, N. Y.

THE STANDARD

VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is using a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

BUCHBINDER BROS.,

518-20 Milwaukee Ave., CHICAGO.

Florists' Ice Boxes

Manufacturers and Dealers of

Store and Office Fixtures.

New Orleans, La.

GARDENERS' PROTECTIVE ASSOCIATION.

The regular monthly meeting of the Gardeners' Mutual Protective Association was held January 14 and the following officers were installed: Charles R. Panter, president; Wolfgang Orth, vice-president; John Parr, secretary; Isadore Meyer, treasurer; Valentine Zimmer, Joseph Steckles, and A. Klees, trustees. Committees were appointed to arrange for an exhibition of vegetables, flowers, etc., and to make arrangements for the observing of the thirty-seventh annual banquet and May festival to be held Sunday, May 19.

This association was organized thirty-seven years ago and besides assisting its members in better market ordinances and conditions has accumulated a good-sized fund, and has been an example for similar organizations through the state. After the installation a banquet at a restaurant was enjoyed, which had been prepared by the officers-elect, and a pleasant hour spent to everyone's advantage.

JOHN PARR.

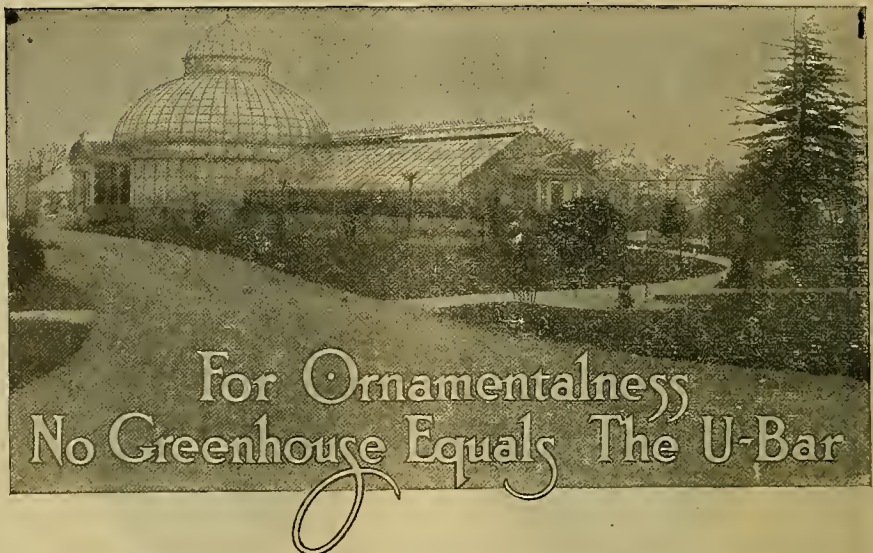
Omaha, Neb.

At the meeting of the State Florists of Nebraska held at Lincoln January 10 the following officers were elected: Irvin Frey, Lincoln, president; J. W. Lawson, York, vice-president; Lewis Henderson, Omaha, secretary; J. E. Atkinson, Pawnee City, treasurer; C. H. Greene, Fremont, E. Williams, Grand Island, W. E. Davidson, Holdrege, trustees.

Escaping gas from the street mains that worked into the greenhouse of Paul Froth at Thirty-second and Burt streets, killed thousands of plants including 7,000 carnations, 2,000 lilies, 900 roses and foliage plants. The palms, geraniums and bedding stock were not so badly affected and can be saved. The smell of gas in the houses had been noticed for two weeks and when the plants began to die Mr. Froth notified the authorities who discovered two leaks in the mains.

SCHENECTADY, N. Y.—John H. Fredrick was chosen foreman of the grand jury of the superior court which opened January 22.

OMAHA, NEB.—Joseph Stainel, aged 68 years, for several years a resident of this city and Council Bluffs and at one time owner of the largest florist business of this section, died in his room on North Sixteenth street, January 8, after an illness of four days.



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This is the U-Bar the bar that makes U-Bar Greenhouses the Famous Greenhouses They Are.

At a glance that's apparent. The reason is, the U-Bar. To put it another way; you can put a gold plated harness on a heavy draft horse and hitch him to a swell little runabout—but with all his trappings he ambles along draft horse fashion just the same. So by the same token, putting a curved eave on a greenhouse does not make it a U-Bar curved eave house. It only looks something like it from the outside. A U-Bar house is distinctly different and it's the U-Bar that makes it so. Send for a catalog and find out just why.

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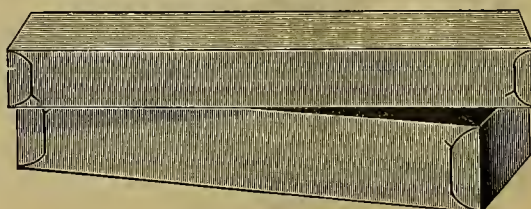
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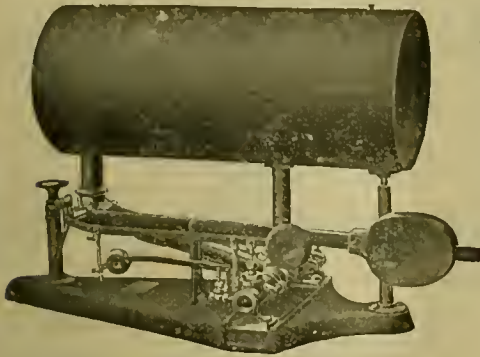
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The Insecticide that kills plant Lice of every species

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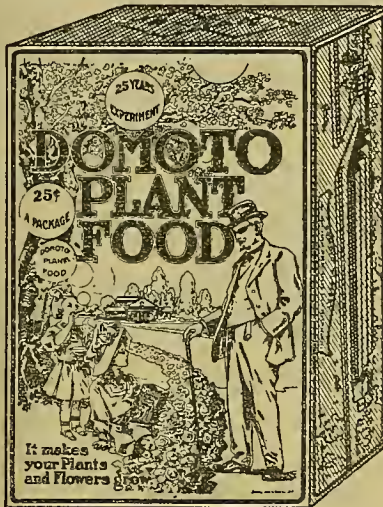
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Pulverized Sheep Manure

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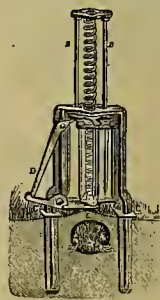
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 Send for our new catalogue.

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Tile Benches and Tile Bottoms
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THE AMERICAN FLORIST



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

Vol. XXXVIII.

CHICAGO AND NEW YORK, FEBRUARY 10, 1912.

No. 1236

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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Chicago, Vice-Pres.; JOHN YOUNG, New York,
Sec'y; W. F. KAESTING, Buffalo, N. Y., Treas.
Next meeting at Chicago, August 20-23, 1912.

NATIONAL SWEET PEA SOCIETY

Annual convention and exhibition at Boston,
Mass., July 13-14, 1912. WILLIAM SIM, Cliftondale,
Mass., President; HARRY A. BUNYARD, W. Four-
teenth St., New York, secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition November,
1912. CHARLES H. TOTT, Madison, N. J., Presi-
dent; C. W. JOHNSON, Morgan Park, Ill., Secretary

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New
York, April, 1913. A. FARENWALD, Roslyn, Pa.,
President; FRANK H. TRAENDLEY, New York,
Vice-President; BENJAMIN HAMMOND, Fish-
kill-on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at
New York, April, 1913. PHILIP BRIETMEYER,
Detroit, Mich., President; A. F. J. BAUR,
Thirty-eighth St. and Rockwood Ave., Indian-
apolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912.
I. S. HENDRICKSON, Floral Park, N. Y., President;
L. MERRON GAER, Orange, Mass., Secretary.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next meeting at Boston, Mass., 1912. W. H.
DUNN, Kansas City, Mo., Pres.; F. L. MULFORD
Washington, D. C., Sec'y-Treas.

SUGGESTIONS FOR PLANT GROWERS.

Pelargoniums.

While all the plants so well known as geraniums are pelargoniums, yet it is the show or fancy type called by many Lady Washington geraniums that are generally known under this name. The plants that are wanted in bloom in April and May will now be in their blooming pots and beginning to show their blooming growths, but for June and July flowering the plants should be now shifted to the blooming pots, five or six-inch as the plants may require, except with large specimens, of which few are now seen. They like a turfy, coarse loam, to which may be added one-fourth well rotted manure, and if the soil is heavy a liberal amount of sharp sand to keep it open, and the plants should be potted very firmly. A cool, well-ventilated house should be selected for growing them, and until the days grow warmer and brighter they should be watered sparingly. In early spring, when they are well covered with foliage and the blooming shoots begin to grow, more water will be needed. A little stopping may be necessary if the plants send forth strong, long growths, to make the plant shapely, but care and judgment should be used in this operation, which should cease upon the appearance of the bud shoots, which are easily distinguished by the different manner of growth. Do not attempt to take any cuttings at this time, for after the plants are through blooming is the best time for propagation, and any cuttings taken now are pretty sure to rob the plants of the bloom. These plants are very subject to attacks of both red spider and green fly, and should be fumigated or sprayed regularly. As the extremely hot, dry days of summer approach a slight shade will be found very beneficial to both the plant and flowers.

Verbenas.

The verbenas makes a very satisfactory bedding plant if properly grown, but the thin, spindly plants produced from late grown seed and planted in flats and baskets as closely together as is possible in order that they may be sold at a cheap price,

seldom make any showing in the beds until very late in summer. The seeds should be sown early enough that the plants may be stopped and branched and grown in pots, and one plant so grown will make more showing during the season than half a dozen of the poor plants so freely offered at the spring sales. It is really better to buy the rooted cuttings of selected varieties that are advertised at this time than to sow seed after the middle of February. Seed sown up to this date, however, can be grown on to make fine plants. Care must be exercised in the germination of the seed, which is often blamed for the carelessness or lack of knowledge of the grower, for the seed damps off very easily when it germinates, being very sensitive to any change in temperature and moisture. Until they begin to make growth, the plants should be watched carefully, never allowed to become dry, or exposed to any draughts.

Antirrhinums.

The grower of antirrhinums has an opportunity now to select the best plants from which to propagate the stock for another year, as the plants are now producing fine spikes and it is possible to select the best types. Those that have fine large flowers set closely together on the stem, and yet not close enough to crowd, are to be preferred. The earliness of blooming is another matter to take into consideration. It will be found in raising these plants from seed that there is a great difference in their time of blooming, and for winter flowering the earliest that there are of good type should be chosen. There are plenty of good cuttings to be obtained now for the laterals which grow from the axil of each leaf make the best cuttings and the flower is enlarged by their removal. Plants that are in bloom will be benefited greatly from now on by feeding either with liquid manure or a strong mulch, and the next growth thinned to eight or ten shoots, which will insure a much better crop for spring cutting than to allow all the small shoots to grow. Keep the plants tied erect all the time, for it takes but a few hours'

sun to draw the tip up from a stem that leans away from the center, with the result that a crooked stem is formed, which greatly impairs its appearance. These spikes of bloom should be handled very carefully, especially the long sprays, for they are very brittle and break easily. It is better not to cut too many at once. When cutting hold them with the heads hanging down, and when there are as many as can be easily held in the hand cut, take them at once to the flower room, trim off all surplus growth and tie the stems a dozen in a bunch, then loosely tie strings around the center and toward the top of the bunch, and place the stems in a deep jar of water. This prevents crooked stems, so often seen, for the plant continues its growth after being cut, and if allowed to hang away from the jar the blooms grow crooked.

Genistas.

The plants of genistas should now be making their blooming growth and no further pinching will be necessary except in the case of long, strong growths which sometimes break from the stem and thereby spoil the symmetry of the plant, and these should be cut back as soon as they grow beyond the other flowering shorts. They can now be bloomed in succession by moving some into a warmer house but those that are wanted at Easter are still better left in a cool house, one with a temperature of 45° being the one that will produce the best results. These plants are never partial to great heat, reveling in a cool atmosphere, and often when taken into the warm living rooms where the air is extremely dry will soon drop their leaves. Those that are being grown to certain shapes, such as the balls, pyramids or baskets, will doubtless require some pinching back yet, but this should be done with great care or the flowering buds will be removed. A close examination of the tip of the shoot will clearly show whether the buds are forming and when this occurs all pinching must be immediately stopped. Any blind wood or extra strong growths that are cut out may be made into cuttings and young stock obtained. These will root much better in a cool propagating bench than in one where the bottom heat is confined. When the plants are full of bloom they will require heavy watering, and do not place them in a dry warm location for any great length of time.

LEXINGTON, KY.—The flower store of John A. Keller, 236 West Main street, has been purchased by James P. Keller who has had the management of the store for the past 18 years. The extensive greenhouses of John A. Kelley on East Sixth street will be under the management of John Ferdinand Keller, who has been in charge for some years.

NEWPORT, R. I.—The date of the great flower show will be July 2-7, being called "Flower Week." J. K. M. L. Farquhar of Boston has charge of the arrangements at present and is preparing a premium list which will offer \$5,000 given by the Garden Association, \$1,000 by the city and \$1,000 by the Horticultural Society. Two lots of land have been secured with an area 400x600 feet, on three sides of which lattice work will be built which is to be covered with roses and other vines.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

McKinley Monument Decorated.

One of the noteworthy happenings of the observance of McKinley day was the decoration of the monument of President McKinley at Dayton, O., the statue being covered with pink and white carnations by W. G. Matthews, Dayton's well-known florist. A large wreath of carnations was hung on the face of the pedestal and a garland of the same flowers was draped around the shoulders of the statue and base, then extending down the pedestal to the steps upon which the statue stands. This might be an idea worthy of emulation in other cities where there is a statue of the martyred president to help in keeping alive the sentiment of the day.

Table Decorations.

JONQUILS AND LILY OF THE VALLEY.

Take an oblong basket six inches high and paint it a pretty shade of lavender, in which arrange four oblong rows of jonquils and in the center a row of their foliage. Fill in the sides

with lily of the valley, using violet foliage for the edge. Instead of placing the usual ribbon around the body of basket make a Dresden garland of violets. Place a loosely-arranged, fair-sized bunch of violets in the central part of the garland and tapering it gradually and interspersing lily of the valley and violets to the edge of each side. Then lay large flat bunches of violets on the table, say two on the longest side to allow the center bunch of the garland attached to body of basket to be the predominating feature and spread maiden hair on the table as a foundation.

In case of a buffet decoration the Dresden garland can be effectively used around the edge of the table combined with maiden hair fern. In making the garland it is well to have the lily of the valley hang below the garland at different intervals where they are used in connection with the violets. Use a bow effect of maiden hair for the corner of the table. A few large leaves could effectively be used in center of garland, making them spread gracefully over the cloth.

Violet baskets or small baskets painted a violet shade filled with jonquils and valley are effective, and the



GENISTA FRAGRANS.

small silver flagrec bonbon baskets filled with violets are also excellent. These small low silver baskets can be lined with the violet tinfoil and violet ribbon run through the top of the space in the center for violet candles. basket and tied with a bow, leaving a space in the center for violet candles.

A. E. KLUNDER.

The Calabash Pipe Gourd.

The advent of the Calabash pipe dates from the last Boer war, or from the earliest years of the present century, for it is really a fashion in pipes copied from the Boers and other residents in South Africa. The Boers are said to have tried hard to obtain a monopoly in the manufacture of these pipes, and to have been very jealous of the distribution of seeds of the plant which produced the gourds. Seeds have, however, been distributed widely of late years, and other countries, including the United States, are now in a position to produce all the gourds required for home manufactured pipes.

The plant producing the Calabash Pipe Gourd is a variety of the variable *Lagenaria vulgaris*, commonly called the Bottle or Club Gourd, a species widely distributed through the tropics. The Calabash Pipe variety appears to have first created interest in South Africa, and to have been widely grown there for many years, though whether it originated there appears to be doubtful.

In countries where a fairly warm summer is experienced, states a correspondent in *The Garden*, it may be grown out of doors with success, and it is probable that fairly satisfactory results would be obtained in the south of England. The United States Department of Agriculture published an illustrated circular, No. 41, in 1909 on "The South African Pipe Calabash," giving details of its cultivation in the United States. The details of culture as set down there would be applicable to the warmer parts of this country, while in other quarters greenhouse or frame culture would undoubtedly give satisfactory results. Hot beds are made almost level with the surface of the ground, and in these seeds are sown about April. The young plants are protected from frost by means of hand lights until danger from that source is past, when they are allowed to run freely over the ground. Plants grown on the ground are found to produce more gourds suitable for pipes than those grown against trellises. In common with all members of the large gourd family, rich soil is a necessity. Vigorous specimens may produce from ten to twenty gourds, but all are not suitable for pipes, for some grow too large and others too straight. A little may be done towards shaping the narrow neck of the gourd when the fruit is very young by tying or pegging into shape, but the task is a very delicate one on account of the young fruits being very brittle. A fair percentage of gourds assume suitable shapes, however, without any training.

The fruits are allowed to remain on the vines until the outer parts are quite hard, for if gathered before they are thoroughly ripe, difficulty is experienced in seasoning. On the other hand, they must not be allowed to remain long enough to be subjected to frost, for a severe frost is likely to cause injury. Dry, sunny weather is



HEART OF ROSES, CARNATIONS AND HYACINTHS.

more favorable to the development of fruit than wet weather, for although the plants will take plenty of water, more satisfactory results are obtained from watering by hand than from the plants being subjected to an excessive amount of rain. The past summer, with its long continued heat, has been ideal for the successful cultivation of these gourds in England, providing they were well watered at frequent intervals. Seeds sown here on a slight hot bed and the plants allowed to grow until they had filled a frame, which could be lifted off about mid-June, would probably give the most satisfactory results. If grown throughout the whole of their career in a frame or greenhouse, however, arrangements ought to be made for a free circulation of air at all times. Apart from the utility of the fruits of this plant, it is quite ornamental enough to receive attention from a decorative standpoint, either indoors or out. Trained against a pillar or trellis it quickly covers a wide area, and though many of the fruits will probably be too straight for pipes, some will assume the requisite shape. In any case, its cultivation is well worth undertaking on experiment-

al lines. In the majority of gardens room could be found for the few plants that would be necessary to determine whether they could be successfully grown in the open or not. A pergola of gourds, such as may be found in a few gardens, might well include some plants which, if they succeeded, would be of interest to both visitors and owners. It is highly improbable, however, that the cultivation of these gourds on commercial lines is ever likely to prove successful in this country.

The Prevention of Hail.

The Comte de Beauchamp, a distinguished physician, is hailed as one of the greatest benefactors of agriculture that France has ever known, owing to his discovery of an efficacious hail destroyer. Some time ago the count discovered that hail cannot form when there is no electricity in the air. In the course of a long series of experiments, in which he was assisted by Gen. De Negrier, he has perfected an instrument, like a lightning conductor, which drains the atmosphere of any electricity with which it is charged. For some time past this hail destroyer

has been working with success in rural districts formerly particularly subject to hail storms, which, it is estimated, cost the farmers and fruit growers of the country not less than \$40,000,000 a year.

Convinced by these results, the Paris municipal council has decided to install in the capital a system of hail destroyers. They will be placed at three of the highest points of the city—namely: at the summits of the Eiffel tower, the Sacre Cœur and the Pantheon—forming a vast protective triangle.

The provinces are following the example of the capital and before long, it is expected, the entire country will be provided with the count's invention, which has the enthusiastic support of the Academy of Sciences.—Chicago Tribune.

Easter Lilies.

The term Easter lily is now heard throughout the floral year, for with the retarding of *Lilium Giganteum* by cold storage, blooms of the different varieties of *Lilium longiflorum* are now produced every day of the year, but still the largest number of blooms are grown to be in their prime at Easter, and these should really be called the Easter lilies. At this time of the year we often hear the question "When shall I bring my lilies into heat in order to have them in bloom for Easter?" so it is plainly evident that with all that has been written upon this one important feature of lily growing, that everyone has not fully had impressed upon his mind one of the necessities in successful lily culture. The invariable answer by all growers to this great question is "It will take thirteen weeks from the time that the plants are brought into a house at a temperature of 60°." But it must always be remembered that to have a crop in perfection at a certain date that more than one thing is necessary to produce this result. No two years are exactly alike; one may have throughout January and February many mild, sunny days which force the plants along very rapidly, and the weather another year may be just the opposite when day after day will be dark and cloudy and the night temperatures very cold. It must be plain to anyone therefore that the plants will require different treatment one year than would be necessary in the other.

This is where a thorough knowledge of lily growing is required. We have seen growers who never seemed to really know whether their plants were going to be in bloom at the right time or not, and were continually worrying, moving their plants back and forth, first forcing them a little harder and then moving into a colder temperature and retarding them, with the inevitable result that they were just a little too early or too late. But the grower who fully understands producing a crop of lilies at just the right time seldom worries at all, for he knows just where his lilies are all the time and fully understands how and when to successfully retard them if the season is favorable and when they will require a little extra forcing if the weather has held them back. It takes study and observation, but the one who attempts to bring any crop in at a certain day, when the plants

are so much influenced by the weather, must make a study of his crop, and if he cannot remember, write it down in a notebook where he can easily find the information required.

The lilies that are to be forced for Easter should have been potted when received in the fall and buried outside safe from frost, and in a severe climate should as soon as well rooted have been brought into a coal house, where they would be firmly established and make a strong growth for a foundation. After the first of the year, and the Christmas sales have emptied many of the benches they should be brought into a house having a night temperature of 60° with a rise of 10° during the daytime. The plants at this time should be just pushing above the ground or about three inches high. If in this condition there will be no difficulty in bringing them in on time in any ordinary year at this temperature. It is far better that the pots be placed either upon coal ashes spread on the bench, or on soil, than to stand on a wooden bench, for under the latter conditions the pots are apt to dry out quickly, and the lily must not suffer for lack of water during its early

stages. They should be in a good light location for it takes but little shade to cause them to become drawn and a weak, thin stem is thereby produced. The plants should be gone over occasionally after the growth begins, and the shorter ones placed on the front of the bench and the taller ones to the rear. This will prevent any of the plants from becoming too shady. As soon as they have attained good height, they should be staked and tied, and this should be done before any of the plants bend over, for if this happens crooked stems are the inevitable result and the plants are worthless.

Under this treatment the buds should begin to show six weeks before Easter, and this is the generally acknowledged time that is required to bring the blooms to perfection. It is well known, however, that the flowers can be brought out easily in five weeks and even in four by very hard forcing, but the blooms do not have nearly as good substance as those that take six weeks to mature. And even should the weather be unusually warm and bright during March it is a very easy matter to retard the plants after the



A WELL GROWN LILY.



C. L. Washburn.
President Illinois Florists' Association.



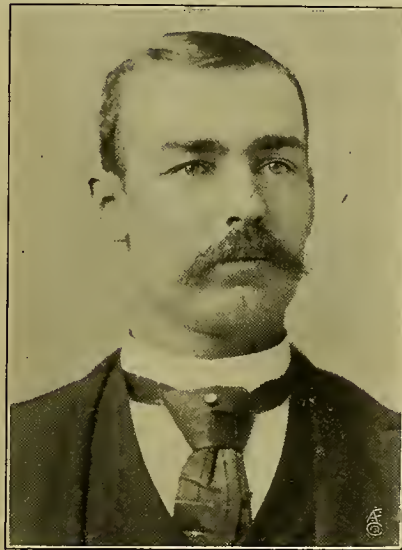
L. L. May.
President St. Paul Flower Show Organization.



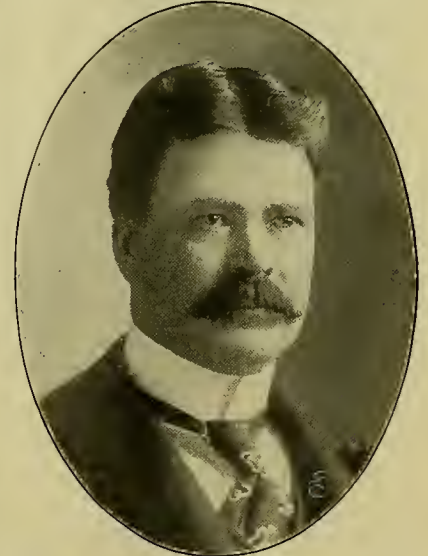
Irwin F. Frey.
President Nebraska State Florists' Society.



Ernest A. Hayward.
Vice-Pres. Montreal Gardeners' and Florists' Club.



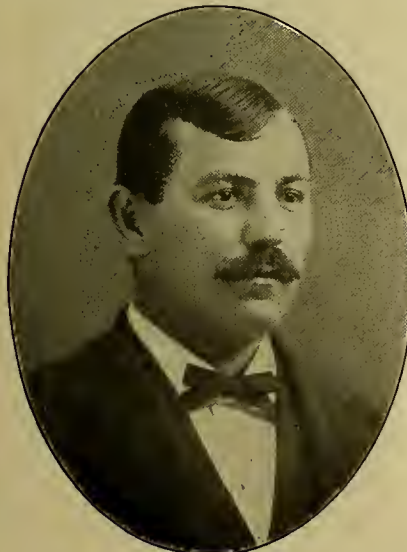
J. E. Atkinson.
Treasurer Nebraska State Florists' Society.



Lewis Henderson.
Secretary Nebraska State Florists' Society.



Frank L. Washburn
Treasurer Illinois State Florists' Association.



J. F. Ammann
Secretary Illinois State Florists' Association.



Edmund J. Welch
Representative of Welch Bros., Boston, Mass.

SOME OF THE MEN THEY'RE TALKING ABOUT.

buds have attained full size by placing them in a cool house shaded from the midday sun, and the flowers will be greatly improved by this treatment.

No one can ever speak of growing lilies without mentioning the necessity of keeping the plants free from aphids throughout their culture. They are grown in a temperature in which these insects thrive most rapidly, and if once firmly established on a lily they are extremely difficult to entirely kill. The plants should be fumigated every week, and when the buds form, a careful watch kept that they do not congregate in the top of the growth where it is almost impossible to kill them. If this happens, it is well to syringe a little nicotine extract into the center of the growth, being careful not to make it too strong. It has been thought that one of the great causes of the lily flowers splitting, as they sometimes do, is the damage caused by the aphids when the bud is forming, and also many of the malformations that are so often seen.

In stating that it will take thirteen weeks to bring a lily into bloom from the time that it is brought into the warm house, we fully understand that there are great quantities of these plants that are forced into flower in a much shorter time, but we know that those that are of the best quality are invariably given this amount of time and also that those that are grown more rapidly often produce many poor flowers and of much inferior quality. The lily grower must continually bear in mind a few cardinal principles; keep the plants at a good even temperature; be careful about watering; the plants should never be allowed to be dry nor should they be over-watered; keep them clean from aphids throughout their growth; have them staked up as soon as necessary, and study their growth that the knowledge of the necessary conditions may be acquired. F. C.

Lilies Not Growing.

ED. AMERICAN FLORIST:—

We potted *Lilium Harrisii* last August and *L. longiflorum* the latter part of September and placed the pots under benches in a lettuce house. On December 15 we found some were showing growth and they were moved to a carnation house. January 30 about one-half are through the ground, a few being three inches high, one-quarter just breaking through. In looking for roots we find about one to four in sight and the balance of the soil the same as when potted. Can these lilies be brought into bloom for Easter? J. T.

Colorado.

The *Lilium Harrisii* that have made growth if they have good roots can probably be brought into bloom for Easter, but will have to be given good heat at once, and the *L. longiflorum*s that are three inches high could probably be flowered by Easter if forced very hard.

Having had some experience in a climate similar to Colorado, we should say that these lilies had been too dry, for they were planted early enough to have them further advanced than they were January 30; and the pots should be fairly full of roots. The climate of Colorado is extremely dry and a pot standing exposed to the air dries out very quickly, and if the soil around a lily bulb becomes dry there is nothing

to induce root action, and good roots are necessary in growing lilies for Easter. It would have been better if these lilies had been thoroughly watered when potted and then buried in moist soil, the top of the pot about three inches below the surface, and the ground covered with straw, over which should be placed boards to protect them from the sun and prevent evaporation. We had no trouble in producing good roots by January 1 by this method in a dry climate. If there is danger of freezing before that date the covering may be made heavier, or they can be moved into a cool house in November. By January 1 they should all be through the ground, and thirteen weeks in a temperature of 60° will bring them into flower. A carnation house is too cool for lilies after January 1 to have them in bloom April 7, the date of Easter this year. W.

THE CARNATION.

Propagation of Young Stock.

The propagation and care of the young stock are among the most important parts of the carnation grower's routine work at this season of the year, for an early start with thrifty and well cared for stock will count for much toward the success of the coming year. Early propagation of healthy, selected cuttings helps much in the quality and vitality of the plants, and the more cuttings one can get before New Year's the better it is, the late cuttings requiring more care in the propagating house and also more attention after they are potted in order to get them established.

Clean, fresh sand in the propagating bench is another essential to success, and by using such material in a bench that has been kept free from fungus, there is seldom trouble in rooting the cuttings, provided that they are kept moist and protected from the sun. A regular night temperature of 50° with but a slight rise in the day gives the most satisfactory conditions in regard to temperature, for in such a temperature the cuttings do not make top growth before they are well rooted. Too much heat is liable to start the tops and to make the cuttings soft, the result of which is to make the young plants more difficult to establish, thus losing valuable time after they are potted from the sand. Thorough watering of the cuttings at the time they are put in the sand helps much in keeping them in condition, from the fact that the sand becomes thoroughly settled around the base of the cutting, protecting it from the air and encouraging it to callus and ultimately to emit roots.

Cuttings should not be disturbed until they are well rooted, and those intended for shipping may well be given an extra day or two in the sand, in order to ensure a good body of roots, for some of the roots are quite likely to be broken off in transit. Poorly selected cuttings that have been planted in dirty sand and insufficiently rooted before shipping are the cause of much dissatisfaction among growers each season, and particularly so when the cuttings in question are from some high-priced novelty that one may be particularly anxious to give a fair trial. Over-propagation has much to answer for in regard to the failure of

some of the novelties, and it would sometimes be better to defer the introduction of a novelty for another year rather than to over-work the stock to such a degree that the young plants prove a disappointment to the purchaser.

The young plants of the earliest propagation will be ready for planting out on benches before this article reaches the press, but for the benefit of those not entirely familiar with these details it may be again stated that the young plants should not be allowed to become stunted by having too little root space, and the easiest and most satisfactory method of overcoming this difficulty is to prepare some bench space with three to four inches of fresh soil, in which the young stock may be planted out, spacing the plants 3x3 inches in the bench, and there to remain until the season is advanced to that period at which it is safe to plant them out in the field. After the young plants are established in the benches the temperature may be lowered to 42° to 45° at night, thus ensuring a sturdy and short-jointed growth that seldom fails to give a good account of itself after the plants get in the field, unless the season is a particularly unfavorable one.

There being always a possibility of insects among the young plants, it is a safe plan either to spray or to fumigate regularly with the nicotine preparations, this taking care of thrips and aphides, while an occasional spraying with salt solution will do much to discourage red spiders. With all of these insects an ounce of prevention is worth a pound of cure, so it is profitable to attend to these matters early and often.

Topping will soon demand more attention on the part of the grower, for these young carnation plants should all have one topping before they go to the field, if possible, thus laying an early foundation for a stock of strong and well-branched plants for next season's crop, and in addition to this, it is much less laborious to top the plants while they are on a bench than to do it after they are out in the field.

The potting off of the cuttings has been several times alluded to, and this is still the practice of many growers, while others with a view to labor-saving, have adopted the practice of planting out the cuttings from the sand right into the benches, without any potting whatever. This latter plan presents no special difficulty, for cuttings so treated soon established themselves when properly cared for, and the young plants start away just as well in the field, the only possible advantage for the potted plants being found in the fact that they hold a better ball, when lifted from the field, for transplanting to their blooming quarters, and the writer confesses to a possibly old-fashioned prejudice in favor of a plant with a ball rather than one with bare roots. W. H. TAPLIN.

Carnation Houses.

ED. AMERICAN FLORIST:

In building houses in which to grow carnations, would it be preferable to have them running north and south or east and west?

ANXIOUS BEGINNER.

With modern houses constructed with wide glass and narrow sash-bars, giving a minimum amount of shade, many claim just as good a crop of car-



NEW CARNATION THE HERALD GROWN BY CHICAGO CARNATION CO., JOLIET, ILL.

nations can be produced in a house running north and south as one running east and west, but all modern commercial houses are erected at present extending in the latter direction. With the beds or benches running east and west, the walks give an opportunity for the sun to reach the soil, which would not be possible with those running north and south, the plants keeping the soil shaded all the time. With the ordinary grower no doubt better results would be obtained in the house running east and west.

W.

Carnation The Herald.

The new seedling carnation, The Herald, which is being grown by the Chicago Carnation Company at Joliet, Ill., and which we illustrate, is a very bright scarlet, the result of a cross between two scarlet seedlings, Nos. 50 and 49. Seedling No. 50 was a seed parent of Harlowarden which was originated by the late James Hartshorne, and was an exceptionally strong robust grower producing very fine flowers on short stiff stems. It was such a fine free bloomer that instead of discarding the variety it was given to a small florist to see what it would do in a small commercial place where it did so well as a commercial carnation that Mr. Hartshorne again secured some of the plants, which were still in his possession at the time of his death. No. 49 was a



Carnation The Herald.
As bunched for shipping.

bright scarlet on long stems, therefore The Herald favors its seed parent in every particular except it has a longer stem and a brighter color. It was among the first carnations produced by Peter Olsem. The growth is somewhat on the order of Enchantress; very strong and a darker green with

thinner grass; a much faster grower, producing fine large flowers on strong, stiff stems which develop much quicker than Enchantress. The plants make a good growth in the field; lift easily and establish themselves in a remarkably short time after lifting. All the stock is perfectly healthy and it will not be necessary to cut back any of the stock to get enough cuttings to put the variety on the market the beginning of January 1, 1913, therefore there will always be blooms at the houses and the most critical carnation buyers are invited to give it an investigation at any time. The firm had orders on their books for two years from parties who have seen the variety growing and insisted on having their order booked at that time as it did not matter when the variety would be put on the market, they wanted it.

The Herald will be disseminated next season

BROOKLYN, N. Y.—John F. Condon, a florist of Bath Beach, died January 26 of stomach trouble. He leaves a widow, two daughters and two sons.

BALTIMORE, MD.—J. Dan Blackistone applied for the benefit of the bankruptcy law January 20. His liabilities are \$5,219 and assets \$234. We are advised Z. D. Blackistone of Washington, D. C., has no connection with this business.

FLORISTS' PALMS.

Palms in Midwinter.

Mid-winter is a comparatively quiet season to the commercial palm grower, for after the holiday demand has been supplied there is seldom much trade in this line of stock for a few weeks, the shipping trade being especially dull at that period. Those growers located within easy reach of a large city are enabled to find some trade among the stores even at such a time, for the retail man must carry some stock of this character all through the season, but the orders are usually for small lots, and wagon-loads are the exception. It is at such a time that the grower gets a good opportunity to go through his stock and get rid of insects, if any such are found, and there are few palm growers who are unable to find any infested plants among their stock. This cleaning being in preparation for the spring potting, and if carefully done will save much time at that busy season.

Fumigating with nicotine paper will keep down thrips and kill any aphids that may appear on the young growth of the palms, and spraying with nicotine solution will kill young scale and mealy bug, provided that the spray reaches the insects, but the mature scale being covered with a hard shell, are not easily reached by an insecticide unless it be a soapy or greasy solution. Sulpho-tobacco soap has been proved to have merit in the fight against scale insects, and has been used in considerable quantities for this purpose, the most common method of application having been in the form of a dip. But after dipping the plants in any strong soapy solution, they should be laid down to drain, in order to avoid soaking the soil with the solution, and there is less danger of injury to the foliage if the latter be protected from the direct rays of the sun for some hours after the dipping. This latter precaution is the more necessary at this season from the fact that there is now but little shading on the glass, and on some of these winter days the sunshine is very strong, and especially so when the ground is covered with snow.

Watering and syringing are best done in the morning throughout the winter, the syringing being particularly helpful to the plants after they have been in some measure enervated by the strong fire heat and resulting dry atmosphere of a winter night. As much ventilation as the weather will allow without exposing the plants to strong draughts is a good rule to follow, though keeping in mind the fact that the temperature should get up to 70 degrees at least from the action of the sun before it becomes necessary to open the ventilators, and that the air should be taken off before the house gets chilled in the afternoon. Extremes of temperature either by night or by day are not good practice on the part of the plant grower, and this rule applies to the grower of palms in particular. Weakened growth, foliage of poor texture and a generally drawn out appearance are the results of keeping the palms in too high a night temperature, while a generally stunted look with a general indisposition to grow are usually fair indications that the night temperature has been too low and irregular.

The small number of species that comprise the list of palms handled in quantity by the trade has been noted in these columns before, and the list does not show any notable increase as yet, it being probably safe to say that about one per cent. of the palms known to botanists are grown for trade purposes. But there is this to be said on the part of the wholesale grower, that he grows the species that he can produce in quantity within a reasonable period, and that he can not afford to handle such slow subjects as erytheas, chamaerops, and some of the cocos, even though they may be handsome plants and enduring in character. Cocos brings to mind usually the favorite dwarf palm, *C. Weddelliana*, or reminds some growers that they used to see an occasional plant of *C. nucifera*, or *C. plumosa*, but does not always recall the fact that there are still other species of this highly decorative genus, and among them one that is particularly decorative is *Cocos australis*, a native of Argentina. Some

the belief, for only a few days since the writer was offered fair plants of Phoenix Roebelini in six inch pots for \$1.89 each, in one of the large department stores of Brooklyn. I say fair plants, advisedly, for all were not good in the lot, though there were a number that should have brought \$3.00 each at retail. The lot in question was most likely the clean-up of someone's stock, and thus did not represent regular prices, but the grower did not get a large return from that transaction.

W. H. TAPLIN.

Rare Palms in Los Angeles.

Those who think the west is still "wild and woolly" and a desert as far as horticulture of high class is concerned should pay a visit to the splendid Doheny collection of rare palms, cycads and similar plants located at Chester place, Los Angeles, Calif. If they could also, as the writer did, happen to catch Ed. Howard and make the visit with him, the interest would be



COCOS AUSTRALIS IN SOUTHERN CALIFORNIA.

idea of this graceful, though rather slow growing palm being had from the accompanying illustration, which shows a fair sized specimen growing outdoors in Southern California. The plant in question is about 12 feet high or rather was at the time the photograph was taken, and is only just beginning to make a stem, though in mature specimens the straight trunk is frequently 20 feet in height.

It has frequently been remarked that the profits from palm growing are not great enough to tempt many growers to take up that specialty, and from a recent occurrence it would seem as though there was some foundation for

much greater. Mr. Howard has collected practically the whole of this unique collection in sections for Mr. Doheny. He knows the plants and has something of interest to say of practically every specimen in the collection. He has just returned from a trip and has a big lot more coming which will necessitate the building of another large structure for their growth, for, while many of the plants here are already large specimens in full beauty, there are others that have hardly as yet begun to show their true character. The new house will be 90x190 feet and the dome 50 feet high.

One of the finest specimens in the



KOLDY WOLDY BEEFSTEAK DINNER AT CASTLE CAVE, NEW YORK, JANUARY 20, 1912.

whole collection is a magnificent *Dioon spinulosum*. This remarkably beautiful cycad has a spread of 15 feet and is 12 feet high and every leaf on the plant is perfect. The color is a deep green, but soft, and the plant has none of that hard, varnished set appearance common to so many cycads. The collection is rich in *Chamaedorea*s, these interesting and distinct palms being universally admired when in such condition as here. To give an idea of the work entailed in bringing such specimens home we may note here that *C. elatior* is 30 feet high, the lower part of the stems looking like bamboos, while the leaves are bright, deep green with broad, wide defined pinnæ. *C. desmoncooides* is almost climbing in habit, its stems 40 feet high. The leaves are two to four feet long, the pinnæ pendant and dark green. The way some of these palms drop their leaves is very singular. Looking at them from a little distance one would imagine the petioles were broken and the leaf falling, but a closer inspection shows this to be a natural habit of the plant. Other *Chamaedorea*s are grown, notably *C. stolonifera* and some others, probably new to the collection, which have not yet been named. These give a tropical appearance to a house and though so graceful and elegant, take up little room literally in comparison with their more spreading compeers.

Those who know arecas only as small market plants would be interested in a noble specimen here of *A. triandra*. This species is noted in botanical works as attaining a height of about 20 feet, but the fine specimen here must be nearer 30 feet and well proportioned. The betel-nut palm, *A. catechu*, is also represented here by a fine piece, as is the green stemmed *A. lutescens* by a plant 30 feet high. The true *latanias* are represented by some rare forms. *L. Cochinchinensis*, a plant probably unique in the United

States, has immense leaves eight feet across and almost perfectly circular in outline, the division at the end of the petiole having almost entirely disappeared. A plant like this needs room, as does *L. Commersonii (rubra)* and *L. Loddigesii* with its great petioles eight feet long supporting the glaucous, deep green leaves. *Livistonia Hoogendorpi* has rich, deep green leaves and most formidable looking spines and this is also true of *L. rotundifolia*, the specimen here being 32 feet high. Another of these spiny palms, but a very beautiful one, is *Martinezia caryotafolia*; the specimen is 30 feet in height, in fine health and vigor and a notable specimen in every way. Here, too, it may not be out of place to note the difference between imported specimens of *Phœnix Roebelenii* and those grown in greenhouses. We have seen many fine plants of this species eight or ten feet high, but with the stem the same thickness throughout. In the naturally grown plants the stem is thickened below and tapering, the leaves almost touching the soil instead of being in a whorl or two at the top and the latter are certainly much more graceful and pleasing.

Verschaffeltia splendida is about 14 feet high and the specimen here is healthy and well established. A peculiarity of this species is that it never touches the ground at the base, the trunk being held up by the roots. *Hypophorbe Verschaffelti* and *H. amari-caulis* (the barrel palm) are both represented by fine plants, as is the peculiar climbing palm, *Desmoncus major*, a plant which Mr. Howard says grows to over 200 feet in length in its native habitat. *Veitchia Johannis* is a distinct and beautiful palm and there are many more here we would like to describe did space permit. The peculiar *Testudinaria elephantipes* (not a palm of course) is to be seen here with its great rough bulb like the back of a tortoise from which the

small twining shoots emerge. But we cannot close these notes without a word of commendation to the great work that Mr. Doheny and Mr. Howard are doing to help the cause of horticulture in southern California. No doubt Mr. Howard could make far more money if he associated himself with his brothers here in their flourishing nursery business, but the money question does not enter either into his calculations of those of Mr. Doheny's. Both are in it for the pure love of the thing and this accounts for the remarkably successful outcome of their joint efforts. H. R. R.

Philadelphia.

A GOOD DEMAND.

Another spell of near zero weather has made large inroads in the coal piles and growers say they are afraid if there is much more of this in store for them that all their profits will go up in smoke. There has been a good demand for all the choice stock that came to market the past week, at fair prices. The demand for special stock of all kinds has encouraged the pinching of almost all rose growths, so that while much long-stemmed stock is seen, a great deal of it is very weak, and there is a dearth of shorter lengths for which there is a good market. While Killarney has been picked up quickly, there not being enough to go around, at very good prices. American Beauties are more plentiful, but the market seems to take all desirable stock and calls for more. Carnations are in splendid shape and are so moderate in price, \$4 per hundred, that they move off lively, a few of the special Mrs. C. W. and Alma Wards bring a little more. Bulbous stock is much more plentiful. Golden Spur narcissus coming from all directions are very popular with buyers of flowers and are sold as low as \$1.50 per hundred for very nice stock. There are plenty of tulips. The ever popular La Reine, the white that can be "pinked" to such a nice shade, seems to be a failure this season. One grow-

er, who has made a specialty of this variety for years, says he has thrown out over 50,000 bulbs, all of which were forced carefully, but not five per cent. of which were salable. This is a great loss and he attributes it to some fault in the bulb, as his treatment has been the same as other years when his results were fine. Violets are plentiful, but the cold weather has been against their use for street wear and so they move slowly. Cattleyas are more plentiful and are selling for half the price of two weeks ago. Gardenias, fine flowers, are also hard to move, as it should be said, there are too many, much too many, for the demand and they are priced in some of the shop windows at 20 to 25 cents each. Good asparagus and maidenhair are scarce and sell at sight. There is a demand for flowering plants. Azaleas are now in good flower and some very well flowered Primula obconica and cinerarias are seen.

CLUB MEETING.

The February meeting of the club was without doubt the largest in point of attendance ever held, and those who were fortunate enough to be present saw the finest exhibition of cut flowers, roses and carnations, ever staged at a club meeting. Nearly, if not quite all the novelties of the Detroit meeting were there. Large vases of the Wodenethe, and they were gorgeous carnations, were staged, as were many other seedling and well grown flowers of all the rarest sorts. Generous sized vases of all the new roses were also staged, flowers that showed up wonderfully well, and the growers thought so well of them and the importance of the meeting that for the most part they staged them themselves. Wallace Pierson of the A. N. Pierson Co., Cromwell, Conn., was kept busy telling about how they grew such magnificent Killarney Queen and Double White Killarney and Prince de Bulgarie, or Mrs. Taft and Lady Hillingdon. The Sunburst from E. G. Hill Co., Richmond, Ind., was a much admired flower, as was the Princeton, Stockton & Howe's new pink, which the Robert Craig Co., staged for them. Of the old favorites Mrs. Jardine and Double Pink Killarney were shown in fine shape by John Stevenson. J. W. Young had a vase of Double Pink Killarney, superb flowers. The Robert Scott Co. had a novelty in Irish flowers, a bright pink five petaled rose, a florist rose of Bon Silene class but better, also Double Killarney. The Joseph Heacock Co.'s Killarney and Double White Killarney were superb and kept pace with their reputation.

NOTES.

Wallace Pierson, who gave a witty and at the same time, good rose and carnation talk, said that while many new things sent out were worthless, yet it was necessary to have variety so that the business would grow, and the good things that stayed more than made up for the failures. There were from twelve to fifteen roses that were to be included in the paying list for forcing. The retail florist was after all, the important factor in the business, he made the consumer, and money was returned through him. Europe was where, as yet, all the new varieties originated, but many valuable sports were found here and growers should always be on the watch for such variations. He spoke enthusiastically of the great Detroit show and the great benefit to the allied industries. He modestly mentioned that they had eighteen acres of glass, grew 125,000 roses, one million chrysanthemums and other plants in proportionate quantities. Everybody was in-

vited, they had no secrets, thinking that if everybody grew flowers better there would be more demand for them.

Adolph Farenwald spoke of the Detroit meeting and what a grand success it was, particularly from a rose standpoint, and how much the Philadelphia growers did to help it along and make it what it was. He spoke well of the united societies and predicted a wonderful show in New York next year. Peter Fisher's son spoke in an enthusiastic and modest way of their Gorgeous and Benora and the still newer seedlings and the way in which the new ones were being tested before being sent out. Leo Niessen told of his experience as a judge and praised the new pink carnation Gloriosa as the coming pink. E. A. Stroud spoke of the many new sorts seen at Detroit and picked out those he thought were meritorious. Joseph Heacock, S. S. Pennock, and Robert Pyle followed with pleasing remarks.

The Dingee & Conard Co., at West Grove, Pa., met with a serious loss by fire on Monday morning, February 5. The fire started in the large connecting house and spread rapidly,



The Late D. D. L. Farson.

entailing a loss of from five to eight thousand dollars, including stock, the centre house or shed and the ends of the houses being burned. Owing to the excessive cold weather, the local fire companies found extreme difficulty in getting water to fight the flames, which spreading over such a large space under a high wind, soon got beyond control. The houses are well insured, but the stock is a total loss.

President Vincent of the S. A. F. was loud in his praise of the show and put in an oar for the national society, urging everyone present who was not a member to join and all hands to push and push hard, to at least get one more to join. He urged the conjunction of all the societies into the mother one which he was sure would be a great stride forward.

Preparations are going on for St. Valentine's day business, which it is thought today will be greater than ever. The supply men are there with their heart-shaped baskets and fancy hampers. Both H. Bayersdorfer & Co. and M. Rice & Co., are offering unique receptacles for flowers for this floral holiday.

The trade was much shocked at the sudden death of "Dan" Farson. He was about town on Saturday and died the following Thursday of pneumonia. Everybody liked Dan, he was a prince of story tellers, quick at repartee and was always able to instill good humor and leave pleasant recollections of his visit.

W. H. Wyatt of Thirteenth and Vine streets has cut an opening into his ice box which admits the outside air direct, and says he finds it a great advantage in the saving of ice and his carnations keep much longer in the fresh air.

Robert Craig and Daniel Donoghue of this city, and Julius Roehrs of Rutherford, N. J., sailed for Porto Rico on Saturday, February 2, where they will spend a month looking about and enjoying that tropical climate.

Charles H. Grakelow of Fifteenth and Cumberland streets has enlarged his store by the addition of the adjoining property on the east, which was required for his rapidly growing business.

K.

OBITUARY.

Daniel D. L. Farson.

Daniel D. L. Farson, a well known and popular member of the craft of Philadelphia, Pa., passed away February 1, aged 61 years. His death from pneumonia followed an illness of only a few days and his sudden demise was a shock to his many friends both of this city and throughout the country where he had very wide acquaintance. Selecting the business in the early seventies, as a healthy employment, he erected greenhouses at Fiftieth street and Westminster avenue, which ten years later he sold to Herman Zimmer. Shortly afterwards, in 1888, he was elected secretary of the Pennsylvania Horticultural Society and was appointed superintendent of the hall, which position he held until 1895, when he resigned and opened a retail cut flower store at Fifteenth street below Sansom, which was discontinued after a time. He also conducted a similar establishment at Ardmore, Pa., until two years ago, when he bought the Flower Shop on North Sixty-third street in Overbrook, which he carried on at the time of his death. He leaves a wife and adopted daughter. The funeral services were held at his late residence, 2048 North Sixty-third street, Monday, February 5, at 2 p. m., and the interment was at West Laurel Hill cemetery.

Mr. Farson was always active in all affairs of the craft. He was a charter member of the Florists' Club of Philadelphia and served as secretary, holding this office in 1888 and 1899 and again in the years 1895 and 1896. He was of a bright, sunny disposition, a good story teller, being an excellent mimic, and was the life of every social gathering of the craft. At a special meeting of the club called to take action upon the death of Mr. Farson, the following resolutions were adopted:

Whereas, The members of the club having heard with deep regret of the death of their old friend and fellow tradesman, who had been for so many years closely associated with them, not only as a fellow member but in the important capacity of a signer of our club charter, and therefore one of the founders and later acting secretary of the club for two terms;

Resolved, That we hereby express our deep sense of loss in the passing away of Mr. Farson, and,

Resolved, That we put on record our appreciation of the long and faithful service which he rendered the club in its foundation, and for long after, as an active, faithful, and conscientious member; and further

Resolved, That a copy of these resolutions be made a matter of record in the minutes of the club, and a copy of same be sent to the family. K.

Mrs. Elizabeth H. Latham.

Mrs. Elizabeth H. Latham of the firm of Bridle & Latham, proprietors of the Navesink Greenhouses, Navesink, N. Y., died at her home there, January 19, after an illness of four months, aged 82 years, having been a subscriber

of THE AMERICAN FLORIST since its first issue. Mrs. Latham was born Elizabeth H. Pettigrew in Kittery, Me., April 20, 1830, and in 1850 married Franklin J. Latham, a captain in the navy. They conducted a boarding house in New York City but Mr. Latham's health failing in the later 60's, they moved to Navesink. They first ran a chicken business but abandoned that to take up the florist's business and built greenhouses. Mr. Latham died in 1873, and she continued the business and in 1888 took into partnership William A. Bridle, an experienced florist of New York, and the firm have continually enlarged their greenhouse and added to and improved their holdings. Mrs. Latham was a remarkable

woman, of a reserved nature, disliking any affectation, shrewd, clear-headed and calculating, but fair and just in all her dealings, and with an amount of determination and grit that would surmount most difficulties. She made a host of warm friends.

She leaves no family, the only child dying in infancy, and but two cousins are known to be living. The funeral services were held from her late home, Monday, January 22, the interment being in Bay View cemetery.

The business will be continued under the same firm name by Mr. Bridle and the employes who have been with the firm for many years. The foreman, William Devesy, has been associated with the business for twenty-five years.

FEDERAL INSPECTION BILL.

Proposed Bill for the Inspection of Nursery Stock, Bulbs, Seeds, Etc.

The committee appointed by the American Association of Nurserymen, the Western Association of Nurserymen, and the National Horticultural Inspectors' Association met the representatives of the Department of Agriculture during the last month at Washington and formulated a bill for the inspection and quarantine of nursery stock, which was introduced in the House of Representatives, January 15, 1912.

A BILL.

To regulate the importation and interstate transportation of nursery stock, to enable the Secretary of Agriculture to appoint a Federal Horticultural Commission and to define the powers of this commission in establishing and maintaining quarantine districts for plant diseases and insect pests, to permit and regulate the movement of fruits, plants and vegetables therefrom, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the Federal Horticultural Commission shall be established with the powers and for the purposes hereinafter defined.

Sec. 2. That this Federal Horticultural Commission shall consist of the Solicitor of the Department of Agriculture, two members of the Bureau of Plant Industry, two members from the Bureau of Entomology. This Commission shall be appointed by the Secretary of Agriculture. The Solicitor of the Department of Agriculture shall be Chairman, and a Secretary shall be elected annually from the Commission.

Sec. 3. That it shall be unlawful for any person, firm, or corporation to import or offer for entry into the United States from any foreign country, any nursery stock unless and until a permit shall have been issued therefor by the Federal Horticultural Commission, under such conditions and regulations as the said Commission may prescribe, and unless such nursery stock shall be accompanied by a certificate of inspection in manner and form as required by the aforesaid commission from the proper official of the country from which the importation is made to the effect that the stock has been inspected and found free from injurious plant diseases and insect pests: Provided, That the Horticultural Commission shall issue the permit for any particular importation of nursery stock when the conditions and regulations as prescribed in this section shall have been complied with: Provided further, That this section shall not be construed as applying to plants or plant products solely intended for and adapted to use as food, but to nursery stock or other plants or plant products for propagation: Provided further, That nursery stock may be imported for experimental or scientific purposes, without the certificate of inspection or the permit of the Horticultural Commission hereinbefore required, upon such conditions and under such regulations as the said commission may prescribe: And provided further, That nursery stock imported from countries where no official system of inspection for such stock is maintained, may be admitted upon such conditions and under such regulations as the Horticultural Commission may prescribe.

Sec. 4. That it shall be the duty of the Secretary of the Treasury promptly to notify the Federal Horticultural Commission of the arrival of any nursery stock at ports of entry; that the person, firm, or corporation receiving such stock at port of entry shall immediately upon entry and before such stock is delivered for shipment or removed from the port of entry, advise the Federal Horticultural Commission, or the proper State or Territorial Official in the State or Territory to which such nursery stock is destined, of the name and address of the consignee, the nature and quality of stock it is proposed to ship and the district and country where grown; that no person, firm, or corporation shall ship or offer for shipment to any common carrier, nor shall any common carrier transport or receive for transportation, any nursery stock imported into the United States from one State or Territory or the District of Columbia, into another State or Territory or the District of Columbia without notifying the Federal Horticultural Commission, or the proper State or Territory official in the State or Ter-

ritory to which such nursery stock is destined, immediately upon the delivery of the said stock for shipment and before transportation is begun, of the name and address of the consignee, of the nature and quantity of stock it is proposed to ship, and the country and district where the same was grown.

Sec. 5. That no person, firm, or corporation shall import or offer for entry into the United States any nursery stock unless the case, box, package, crate, bale, or bundle thereof shall be plainly and correctly marked to show the general nature and quantity of the contents, the country and district where the same was grown, the name and address of the shipper, owner, or person shipping or forwarding the same, and the name and address of the consignee.

Sec. 6. That no person, firm or corporation shall ship or deliver for shipment to any common carrier, nor shall any common carrier accept for transportation or transport from one State or Territory or the District of Columbia into another State or Territory or the District of Columbia, any such imported nursery stock, the case, box, package, crate, bale, or bundle whereof is not plainly marked so as to show the nature and quantity of the contents, the name and address of the consignee, and the country or district where such stock was grown.

Sec. 7. That the Federal Horticultural Commission be, and is hereby authorized to make such rules and regulations as may be necessary for carrying out the purpose of this Act.

Sec. 8. That whenever, in order to prevent the introduction from any foreign country into the United States of any tree, plant or fruit disease, or of any injurious insect, new or not theretofore widely prevalent or distributed within and throughout the United States, the Horticultural Commission shall determine that it is necessary to forbid the importation into the United States of nursery stock or of any class of fruits, vegetables, bulbs, plants, and seeds from a country where such disease or insect infestation exists, it shall promulgate such determination, specifying the country and district, and the nursery stock or the class of fruits, vegetables, bulbs, plants, or seeds, which, in the opinion of the Commission should be excluded, and, following the promulgation of such determination by the said Commission and until the withdrawal of the said promulgation by it, the importation of nursery stock or of the class of fruits, vegetables, bulbs, plants or seeds specified in the said promulgation, from the country and district therein named, regardless of the use for which the same is intended, is hereby prohibited, and until the withdrawal of the said promulgation by the said Commission, and notwithstanding that such nursery stock, fruits, vegetables, bulbs, plants, or seeds be accompanied by a certificate of inspection from the country of importation, no person, firm, or corporation shall import or offer for entry into the United States from the country of importation, no person, firm, or corporation shall import or offer for entry into the United States from any foreign country specified in such promulgation any of the nursery stock or of the class of fruits, vegetables, bulbs, plants, or seeds named therein, regardless of the use for which the same is intended. Provided, That before the Federal Horticultural Commission shall promulgate its determination, that it is necessary to forbid the importation into the United States of the articles named in this section, it shall give a public hearing on the question at which hearing any party in interest may appear, and be heard, either in person or by attorney.

Sec. 9. That the Federal Horticultural Commission is authorized and directed to quarantine any State or Territory or the District of Columbia, or any portion thereof, when it shall determine the fact that a dangerous plant disease or insect infestation new or not theretofore widely prevalent or distributed within and

throughout the United States exists, in such State or Territory, or the District of Columbia; and the said Commission is directed to give notice of the establishment of such quarantine to common carriers doing business in or through such quarantined area, and shall publish in such newspapers in the quarantined area as it shall select notice of the establishment of quarantine; that no person, firm, or corporation shall ship or offer for shipment to any common carrier, nor shall any common carrier receive for transportation or transport, nor shall any person, firm, or corporation carry or transport from any quarantined portion thereof, into or through any other State or Territory or the District of Columbia, any nursery stock or any fruits, vegetables, bulbs, plants, or seeds, except as hereinafter provided; that it shall be unlawful to move, or allow to be moved, any nursery stock, or any fruits, vegetables, bulbs, plants, or seeds specified in the notice of quarantine hereinbefore provided, and regardless of the use for which the same is intended, from any quarantined State or Territory or the District of Columbia, or quarantined portion thereof, into or through any other State or Territory or the District of Columbia, in manner or method or under conditions other than those prescribed by the Federal Horticultural Commission; that it shall be the duty of the Horticultural Commission to make and promulgate rules and regulations which shall permit and govern the inspection, disinfection, certification, and method and manner of delivery and shipment of nursery stock, or any fruits, vegetables, bulbs, plants, or seeds specified in the notice of quarantine hereinbefore provided, and regardless of the use for which the same is intended, from a quarantined State or Territory or the District of Columbia, or quarantined portion thereof, into or through any other State or Territory, or the District of Columbia; and the said Commission shall give notice of such rules and regulations as hereinbefore provided in this section for the notice of the establishment of quarantine. Provided, That before the Federal Horticultural Commission shall promulgate its determination that it is necessary to quarantine any State, Territory, district, or portion thereof, under the authority given in this section, it shall give a public hearing on the question, at which hearing any party in interest may appear and be heard, either in person or by attorney.

Sec. 10. That whenever in this Act the term "nursery stock" is used, it shall be construed as including field-grown florists' stock, trees, shrubs, vines, cuttings, grafts, scions, buds, fruit pits, seeds, or other plants or plant products for propagation, unless otherwise provided herein.

Sec. 11. That any person, firm, or corporation who shall violate any of the provisions of this Act, or who shall forge, counterfeit, alter, deface, or destroy any certificate provided for in this Act or in the regulations of the Federal Horticultural Commission, shall be deemed guilty of a misdemeanor, and shall, upon conviction thereof be punished by a fine not exceeding five hundred dollars, or by imprisonment not exceeding one year, or both such fine and imprisonment, in the discretion of the court, and it shall be the duty of the United States attorneys diligently to prosecute any violations of this Act which are brought to their attention by the Federal Horticultural Commission or which come to their notice by other means.

Sec. 12. That there is hereby appropriated, out of the moneys in the Treasury not otherwise appropriated, to be expended as the Federal Horticultural Commission may direct, for the purposes and objects of this Act, the sum of twenty-five thousand dollars, which appropriation shall become available on, nineteen hundred and

Sec. 13. That this Act become and be effective from and after the first day of July, nineteen hundred and twelve.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send he old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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RENEW subscriptions promptly so that no copies of the papers may be missed.

THE New York Florists' Club has issued a call to all florists' clubs in the state to send delegates to a meeting to be held at the New York State College of Agriculture, Ithaca, N. Y., for the purpose of effecting an organization which shall properly represent the large floricultural interests of the state.

Chrysanthemum Society of America.

The following special premiums are offered at the exhibition of the Chrysanthemum Society of America to be held in New York in 1912.

W. W. Wells & Co.'s specials—Gold, silver and bronze medal for three flowers of chrysanthemum Annie L. Angus.

C. H. Totty's specials—For six flowers Chrysanthemum Ramapo, first prize, \$25; second prize, \$15; third prize, \$10.

CHAS. W. JOHNSON, Sec'y.

American Gladiolus Society.

Again does the nomenclature committee of the American Gladiolus Society desire to call the attention of its members to the fact that we must have their hearty co-operation by the contribution of bulbs. Not only are those desired which at present are being sold under more than one name, as well as the several varieties which bear the same name, but especially do we wish to try out those varieties which may be considered unworthy of retaining, and regarding which some of our members must know and possess in sufficient quantities to hardly miss the number required for our use. Five to ten bulbs would be sufficient, and by such assistance the work of your committee would be hastened and the growing of gladioli would be raised to a much higher standard. We know that the past season was most severe to growers throughout most of the country and that some varieties being tested for the first time may not have had a fair chance and will be further tested the coming season and as everything points to a good season for 1912, let us have your contribution early.

All shipments should be made via express, prepaid, consigned to Prof. A. C. Beal, Chairman on Nomenclature, American Gladiolus Society, Cornell University, Ithaca, N. Y.

PROF. A. C. BEAL,
ARTHUR COWEE,
LEONARD JOERG,
Committee.

Chicago's Spring Flower Show.

At a meeting of the executive committee of the Horticultural Society of Chicago, Monday, February 5, plans for the spring flower show in the Art Institute, March 12-17, were considered. Students of the Art Institute submitted several poster designs in competition for a prize offered by the Horticultural Society for an acceptable poster sketch. A manager will be engaged at once and plans for arranging the exhibition will be determined on. One suggestion is that a separate art gallery be used for each section of the exhibits, thus providing a rose room, a carnation room, an orchid room, etc., while the larger flowering plants and decorative stock can be arranged on the stairways and in corridors.

Holton & Hunkel Co., Milwaukee, Wis., Charles Knopf Floral Co., Richmond, Ind., with carnations; J. A. Valentine of the Park Floral Co., Denver, Colo.; Manke Bros., North Milwaukee, Wis.; W. W. Coles, Kokomo, Ind., and W. A. Manda, South Orange, N. J., have written that they will send exhibits.

Much of the success of the Chicago flower shows of the past has been attributed to unconventional staging, and the management is desirous of obtaining the same result this year. The Art Institute offers a problem quite distinct from the Coliseum and suggestions on how to deal with it will be welcomed by J. H. Burdett, Sec'y., 1620 W. 104th place, Chicago.

Premiums have been added to the schedule for displays of orchids, window box and most novel and attractive exhibit not covered by other classes.

J. H. BURDETT, Sec'y.

Society of American Florists.

President Richard Vincent, Jr., has instructed the secretary to send the following to all florists' clubs and horticultural societies:

My Worthy Friends:

It is my earnest desire to make the forthcoming convention to be held in Chicago, in August next, a grand success, not only in numbers present but also in a business sense, and to make it profitable and interesting to all attending.

Therefore, I request that your local society consider, at its next meeting if possible, whatever subject for discussion at the convention it may be thought would help the greatest number engaged in horticultural pursuits and especially the members of the S. A. F.

If notice of a subject of this kind is given to John Young, secretary, 54 West Twenty-eighth street, New York, he will see that the subject is brought before the S. A. F. directors at their meeting in March, and if the suggestion does not conflict with other matters offered, the board will be pleased to place it on the programme for discussion during the convention.

I would also request that if any article or paper is submitted, your society name some one to discuss the same when brought before the convention.

Respectfully yours,

RICHARD VINCENT, JR., President.

Several letters have been returned and notices from postmasters received notifying me of the nondelivery of the proceedings of 1911, through wrong address being given. If any member has not received a copy of the proceedings of 1911 or the assessment notice for 1912 will notify me at once, same will be sent, and at the same time the correct address will be entered on the books of the society.

This notice is published through the courtesy of the trade press.

DEPARTMENT OF REGISTRATION.

Public notice is hereby given that Lager & Hurrell, Summit, N. J., offer for registration the following new variety of orchid, described below.

Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

Lælia anceps, var. Lageriana.—Sepals and petals white, suffused with rose. The extended or front part of the lip is dark lavender mottled and streaked with purple. The lateral lobes; lavender minutely mottled and veined with purple; the back part of the lateral lobes are also lavender (a shade lighter than the front parts) and minutely veined with purple. The crest is yellow, with a dark purple vein in the center; throat is yellow, with dark purple veins.

JOHN YOUNG, Sec'y.

THE report of the Rochester Park Commission for 1911 is received and is an interesting document, describing the several beauty spots of the city and the manner in which the work of the commission is carried out. A careful record of the large collection of coniferous evergreens in Highland Park is carefully kept and it will be of great value in the selection of trees for ornament or lumber. The book is beautifully illustrated with halftones of the beauty spots.

Meetings Next Week.

Baltimore, Md., February 12, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Chicago, February 14.—Gardeners' and Florists' Union No. 30615, 230 North Clark street.

Cincinnati, O., February 12, 8 p. m.—Cincinnati Florists' Society, Jubez Elliott Flower Market.

Cleveland, O., February 12, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Lake Geneva, Wis., February 17, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Madison, N. J., February 14, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

New Orleans, La., February 11, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New Orleans, La., February 15, 8 p. m.—New Orleans Horticultural Society, Kolbs' hall, 1277 St. Charles avenue.

New York, February 12, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, February 14, 4:30 p. m.—Horticultural Society of New York, American Museum of Natural History.

Pasadena, Calif., February 16, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Rochester, N. Y., February 12, 8 p. m.—Rochester Florists' Association, 97 Main street, east.

Scranton, Pa., February 16, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Springfield, O., February 12.—Springfield Florists' Club, office of the Good & Reese Co.

Toledo, O., February 14.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—A salesman in retail trade; first class designer and decorator, experienced; good references. A GARDENER, 1326 Chicago Avenue, Evanston, Ill.

Situation Wanted—Landscape architect; gardener; practical man for executing plans in every department; references; single; sober. Address ROBERT GIESLER, R. D. Box 33, San Luis Obispo, Calif.

Situation Wanted—German gardener and florist married, age 34, life experience, wishes position as foreman on first-class private or commercial place, J. BAUER, Chichester, N. Y., Ulster Co.

Situation Wanted—By AI rose grower (teas and Beauties); German, competent in all other cut flowers and choice pot plants, as working foreman; state wages. Address Key 565, American Florist.

Situation Wanted—By gardener, Scotchman, 35; private place preferred; greenhouse, grounds, vegetable and flower gardens; can grow and propagate any kind of perennial flowers; state wages. Address Key 559, care American Florist.

Situation Wanted—Working foreman and manager, German, age 39, single, hustler, of good business education; 25 years practical experience; in roses, carnations, 'mums, all kind of pot and bedding plants, good designer; first-class references; please state wages. Address Key 560, care American Florist.

Situation Wanted—A head gardener, life experience in floriculture, landscaping, forcing and outdoor vegetables, forestry, and fruit, also agriculture and poultry, is open for engagement, capable of taking entire charge or as first assistant on large place. German single, age 29. Address M. L. 6510 Delmar, St. Louis, Mo.

Help Wanted—A competent rose grower on a commercial place near Chicago. Must have had experience with bench and pot roses. Also want an experienced palm grower. Address, Key 561, care American Florist.

Help Wanted—Man, married or single, with experience in carnations, 'mums and bedding stock. Steady employment and good pay to the right man. G. BRUNNER'S SONS, Rosemont Ave., Price Hill, Cincinnati, Ohio.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Three acres of land, 2 greenhouses, 15,000 feet of glass, hot water heat, modern house and barn. Write for particulars. Address C. H. MCCREEDY, Sta. D, Milwaukee, Wis.

For Sale—\$5,000 half interest in a good Seed Store and Poultry Supplies, centrally located in Los Angeles, with low rent. Or would sell all, as advertiser has other business, and good man who knows the trade will stay with it. Address THOMAS SNOWDEN, 705 South Griffin Avenue, Los Angeles, Cal.

For Sale—Seven and three-quarter acres, six miles from heart of Kansas City, the best market in the country for either flowers or vegetable. Good macadamized boulevard in front of property. Up to date greenhouse, seventeen thousand square feet of glass, equipped with 75 h. p. boiler, steam pump, Morehead trap, good packing room, storage room and stable. Never failing water supply. Five room house with out buildings. Will sell at a bargain on account of ill health. For further particulars write owner. A. PEACHEY, South Park, Merriam P. O. Kas.

Wanted—Lady wishes to communicate with an employer of advanced ideas who will give her the privilege of boarding his employes; good cook; splendid manager. Address Key 566, American Florist.

FOR SALE.

Seven greenhouses, well stocked with bedding plants, carnations and general line of plants for home trade, in the city of Cleveland, Ohio. Enquire of

G. S., 10707 Orville Ave., Cleveland, Ohio

Wanted

ROSE GROWER. Must come well recommended. None other need apply. Call on, or address,

SINNER BROTHERS,
516 Ridge Ave., CHICAGO, ILL.

CIVIL SERVICE BOARD.

The West Chicago Park Commissioners.

Examination No. 17—HEAD FLORIST.

An Original Entrance Examination has been ordered for HEAD FLORIST, Class A, Grade III, Division Y, pay \$140.00 to \$200.00 per month. The pay assigned to the vacancy now existing is \$150.00 per month. The examination will be held at the Garfield Park Pavilion, Chicago, on February 27th, 1912, at 9:00 a. m. Application blanks may be obtained by addressing the Civil Service Board, Room 706 Wendell Bank Building, 1551 West Madison Street, Chicago, and must be returned to the Board before 5 o'clock p. m. of February 26th, 1912. All applicants must show proof of their having done at least 4 years of responsible work in propagating and horticultural and floral exhibition houses.

The subjects of the examination will be: Special Subject, weight of 6; Experience, weight of 3; Educational, weight of 1.

The Special Subject will be both oral and written, and will include questions on horticulture, botany and the care and propagation of plants for exhibition purposes.

The Head Florist is in full charge of the Garfield Park Conservatory and the propagating houses connected therewith. The outdoor gardens and flower beds in all the Parks in the System are also under his care. He is also required to prepare for and arrange special floral exhibits.

Examination No. 18—FLORIST.

An Original Entrance Examination has been ordered for FLORIST, Class 5, Grade II, pay \$2.25 to \$2.50 per day. The examination will be held at Garfield Park Pavilion on February 27th, 1912, at 9:00 a. m. Application blanks may be obtained at the office of the Civil Service Board, Room 706 Wendell Bank Building, or at the West Park Playgrounds. Applications must be returned to the office of the Board before 5 o'clock p. m. of February 26th, 1912.

Subjects of Examination; Special Subject, weight of 5; Experience, weight of 3; Physical, weight of 2.

The Special Subject will include an oral and a practical test in greenhouse work and written questions on the care and propagation of plants and greenhouse operations.

The duties of Florist are general work in the conservatory and propagating houses and in the outdoor gardens throughout the System.

FRED G. HEUCHLING,
January 31, 1912. Supt. of Employment.

Storeman

Capable of taking charge in desirous of securing a situation in an up-to-date retail store; good designer and an AI salesman; best of references; Middle West or Pacific Coast preferred.

Address Key 568, American Florist.

PARK COMMISSIONER FOR TORONTO, CANADA.

Applications for the above named vacant position will be received by the undersigned. Applications should be accompanied with full particulars as to applicant's ability and experience, with testimonials, etc.

G. R. GEARY, (Mayor),

Chairman Board of Control.

City Hall, Toronto, Jan. 17, 1912.

For Sale == A Bargain.

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25 x 100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms.

Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Illinois.

Greenhouse Construction.

By Prof. L. R. Taft, Price \$1.50
AMERICAN FLORIST CO.
440 S. Dearborn St., Chicago.

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.



Washington.**A LARGE DECORATION.**

The business of the past week was good along the lines of decorative work. While there is a reasonable supply of stock no surplus has developed. The continued dark weather makes it difficult for the local growers to keep up an average supply of roses and carnations and at this writing we are well in the grip of another blizzard. A very fair supply of tulips and jonquils is now coming in. Easter lilies and callas seem to be taken as fast as they come. One big decoration on February 1 called for a large number of Richardia Elliottina. A good quality of mignonette and sweet peas is now seen. There is a considerable trade in plants such as ferns, azaleas and daisies, the latter being quite popular this season

NOTES.

The most notable decoration of the season was executed by J. H. Small & Sons, February 1, for a reception tendered the Russian Ambassador by Edward B. McLean and wife. The entire scheme was in yellow, oncidiums and yellow callas being used. All the oncidiums available at George Field's were used and others were secured from New York. The whole affair was something of a dazzler as it was probably intended to be. The decoration, which is conceded to have been a very artistic piece of work, was supervised by J. H. Small in per-

Harry Payne took a trip to the country February 3 and immediately on his departure a lot of funeral orders came in. As a result Joseph and Louis Freeman were found up to their ears in work. Nearly every retail store was busy with funeral work during the first days of this month.

At the U. S. Propagating Gardens a great stock of fine bedding plants for park planting are being brought forward. Roses, gardenias, carnations and other cutting stocks are also looking well. The flowers for the White House are grown at the greenhouses of the gardens.

Albert Small of New York was in this city a part of last week assisting with the decorations at the McLean home. A. F. F.

Buffalo.**COLD WEATHER RETARDS FLOWERS.**

The extreme cold weather has retarded the growth of nearly all flowers, carnations being very scarce and small, and roses are very close and tight. All bulb stock is coming in in fine shape. Trade has not been very rushing, the cold weather keeping many people at home.

NOTES.

John Bischoff, who was employed by several different florists in Buffalo for many years, but for the past four years at Niagara Falls, died on Thursday and was buried Sunday. The business will be continued by his family.

Visitors: M. M. Michael, Dansville; F. B. Lewis, Portland. BISON.

Connecticut Horticultural Society.

The regular meeting of the Connecticut Horticultural Society was held Friday evening, January 26, President Huss in the chair, and in the absence of Secretary Smith, W. W. Hunt acted as secretary pro tem. The business of the evening was the adoption of the new constitution and by-laws. Two features of the by-laws were appointing of an employment committee to consist of five members, to aid gardeners in securing employment, and a relief committee, consisting of the president, secretary and treasurer, who are authorized to spend any sum less than \$25 without a vote of the society for any gardener or member in distress.

A diploma was awarded J. F. Huss for display of evergreens, and certificates of merit to Alfred Cebelius for gardenias and William H. McKenzie for a display of narcissus, carnations and freesias, the judges being Alexander Cummings, Jr., J. Alfred Weber and Howard A. Pinney.

Nassau County Horticultural Society.

The sixth annual dinner of the Nassau County Horticultural Society was held at the Oriental Hotel, Glen Cove, January 25. The decorations consisted of fine specimen plants of cyclamen and primulas, also cut flowers arranged in large vases. Conspicuous among the latter was a fine vase of C. H. Totty's new Carnation Wodenethe.

The dinner commenced at 6:30 p. m., 75 guests being present, among whom were representatives of the trade, the local press, neighboring horticultural societies and members of the society. President J. F. Johnson welcomed the guests and after the dinner was served introduced A. Herrington as toastmaster of the evening and anyone who has heard Mr. Herrington preside on such an occasion knows what a capable toastmaster he is, his good stories and witty remarks kept the boys in great humor.

Among the speakers of the evening were J. Duthie, who spoke of the society and what it was doing. F. H. Traendly responded for the S. A. F., Chas. H. Totty gave an interesting talk on the coming national flower show to be held in New York in 1913 and asked the private gardeners to do their share in making it the best and largest show ever held in this country. The Rev. Mr. Gammack, a life member of the society, gave an able address on the conditions and improvements of the village of Glen Cove. Other speakers were Frank Boyne, President Willinger of the Tarrytown Horticultural Society, Wm. H. Duckham, A. J. Shaw and J. Davis.

During the evening President Johnson presented S. J. Trepass with a diamond scarf pin in recognition of his services during his term as president. The speaking was interspersed with vocal music rendered by Messrs. MacNicol, Kimmer and Richards. At the finish all joined in singing "Auld Lang Syne." All agree this was the most successful dinner the society ever held and much credit is due Messrs. Trepass, Browne and Everett, who made all the arrangements.

JAMES MACDONALD, Secy.

HARTFORD, CONN.—As a result of a ruling of the judge of the superior court it is very likely that J. Albert Brodribb will have to move his greenhouses which the city claims are built upon land laid out for a street, but never opened.



INTERIOR VIEW OF H. A. FISHER CO.'S NEW STORE, KALAMAZOO, MICH.

son. While no exact figures are available it is estimated that the cost of the floral decorations ran near to three thousand dollars.

The Washington Florists Co. announce that on June 1 they will remove from Thirteenth and F streets, where they have long been located, to 1408 H street, N. W., which will bring them into the florist colony of that neighborhood. The building they will occupy was formerly the Hotel Elsmere, which is being remodeled, the upper floors being fitted up for offices.

Mrs. Leapley, the aged grandmother of Fred. Leapley of Leapley & Meyer, died on February 2. Mrs. Leapley was one of the oldest residents of the Anacostia section, being over eighty years of age.

John was well known by many in the trade, who were sorry to hear of his death. Several went down from Buffalo to the funeral.

A good meeting of the Buffalo Florists' Club was held Tuesday evening, February 6. Nominations of officers and a paper by F. C. W. Brown on the retail salesman were the features.

It is expected that L. H. Neubeck will be able to bowl in another month. That over-exertion in Baltimore has put him out of commission.

Henry Weber of Main and Amherst streets has bought the greenhouses in Springville formerly owned by George Stafflinger.

The sentiment in favor of a show this fall is very pronounced.

Announcement to the Wholesale and Retail Florists' Trade

We have Leased the
Entire First Floor of
the Coogan Building,
55-57 West 26th
Street. : : : : :



A. MOLTZ.

The Entire Floor,
through the remov-
al of the present
partitions, will be
changed into One
Unbroken Space,
and improvements
will be made. : : :

We will continue to occupy a large portion of this space for Our Wholesale Business, carrying our usual full line of Flowers, with the addition of a Full supply of

Gardenias and Cattleya Orchids.

We extend a Hearty Welcome to Our Patrons, Old and New, and will endeavor to serve One and All to the Best of Our Ability.

Henshaw & Fenrich, A. Sauter, Alexander J. Guttman, The Growers' Cut Flower Company, and several other Wholesale Florists who are at present occupying space on this floor will so continue. There is some desirable space still available for the conduct of a Wholesale Business, which can be rented on application to the undersigned.

Yours truly,

A. MOLTZ & COMPANY

COOGAN BUILDING

55-57 West 26th Street, NEW YORK CITY

Telephones 617 and 618 Madison Square.

LILIES

LARGE PERFECT FLOWERS, LONG STEMS, \$12.00 PER 100.
FANCY SELECT BEAUTIES—the prize winners.

Current Price List: Subject to market changes.

American Beauties

	Per doz.
Specials, 48-inch stems and over.....	\$5.00 to \$ 6.00
30 to 36-inch stems.....	3.00 to 4.00
24-inch stems.....	2.00 to 2.50
15 to 20-inch stems.....	1.50
12-inch stems.....	1.00

Carnations

	Per 100
Extra fancy red (Bassett).....	\$5.00
Extra long fancy white.....	\$4.00 to 5.00
Extra long fancy Enchantress.....	4.00 to 5.00
Winsor.....	3.00 to 4.00

Bulb Stock

	Per 100
Harrisii Lilies..... per doz., \$1.50; per 100	\$12.00
Narcissus Paper White, per 100.....	3.00
Roman Hyacinths, fancy long.....	3.00
Lily of the Valley, per 100.....	3.00 to 4.00

Select Pink and White SWEET PEAS, per 100.....\$1.00

We Are Growers of All the Stock We Sell and Guarantee It to Be Strictly Fresh.

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago.

Greenhouses: Hinsdale, Ill.

Chicago.

ROSES IN SHORT SUPPLY.

That the rose growers have found it difficult to produce flowers during the long spell of low temperatures and dark weather which has prevailed in this section for the last month is very evident by the limited number that are being received by the different wholesale houses. There has always been a short supply of roses from the last of January to the middle or last of February, which no doubt is caused more or less by the endeavors of the growers to have an ample supply during the holidays and a large number of houses going off crop later, but this year the warm late fall followed by such severe weather has shortened up the crops of those houses which were intended for blooming during the period of general shortage. There has been a general advance in the prices of all grades of roses, American Beauty which has been in good supply, especially the long-stemmed grade, also feeling the movement and values are higher, and with the teas and hybrid teas the advance has been considerable. Carnations are in very good supply, but with roses so short there is good demand for all that are received, and the prices remain very firm. The stock is of very fine quality and is sold up very clean every day. Bulbous stock is in much larger receipt and is filling in during the shortage of other stock. Von Sion narcissus are now to be had in fairly good numbers and the quality is improving rapidly. There is promise of a very good supply of tulips and narcissus for St. Valentine's day and they can be used to great advantage in basket work at that time. Violets are in very good supply and some of the home-grown stock is of excellent

quality, while there are also large receipts of eastern grown stock which will no doubt find good market during the coming week. Orchids are still to be had in quantity, but the call for these has been large enough to keep the price up. Sweet peas are now being received in good sized shipments, the cut gradually increasing from week to week and the quality is also improving, there being some fine long-stemmed flowers to be had. Lilies and callas are in a little larger supply, the prices of the former holding firm and the blooms being readily sold, the latter not selling so well. Lily of the valley has had a good call and the surplus which seemed evident a week ago has disappeared and the receipts are cleaning up nicely. Freesias are of excellent quality, some splendid stock being seen, and they sell readily. Narcissus Paper White and Roman hyacinths are also finding a good market and there is no surplus of either. Mignonette, pansies, lupines, antirrhinums, calendulas and marguerites are some of the smaller flowers offered. The demand for greens is very good and there is a good supply of asparagus and adiantum to meet the call and some splendid boxwood, but ferns are rather short and the price this week advanced. With moss and ferns both short the makers-up of funeral work will have to advance the price on the designs.

NOTES.

W. S. Garland who has consigned his entire cut to Percy Jones for many years, is no doubt one of the most successful carnation growers shipping to this market. When Mr. Garland does not use his profits in buying real estate he is buying automobiles. He has just purchased a new Buick touring car and has presented his son

Roses

Rhea Reid, Richmond, Pink Killarney, White Killarney and Perle.

	Per 100
Specials extra select.....	\$15.00
Long.....	12.00
Medium.....	\$ 8.00 to 10.00
Short.....	5.00 to 6.00

Greens

	Per 100
Asparagus, sprays, per 100.....	3.00 to 4.00
Sprengeri, per 100.....	2.00 to 3.00
Ferns, per 1,000.....	2.00 to 2.50
Smallax, per doz.....	2.00
Adiantum, per 100.....	1.00 to 1.50
Galax, green, per 1,000.....	1.00
Galax, bronze, per 1,000.....	1.00



**American Beauties,
 Roses,
 Carnations,
 Orchids, Gardenias,
 Valley, Violets,
 Daisies, Lilies, Etc.
 Greens.**

At lowest market rates

Weiland & Risch

154 N. Wabash Ave.,
 CHICAGO.

Mention the American Florist when writing

with a five-passenger Ford. Who says it does not pay to grow fancy carnations?

George Economopolus purchased Frank Williams' interests in the Alpha Floral Company on February 2 and will hereafter conduct the business under the same firm name as before. George is well known in the trade and his many friends wish him success in his new undertaking.

The Wittbold brothers, Louis, Fred and Otto, inspected Poehlmann Bros. Co.'s ocean of glass at Morton Grove last Thursday.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone CHICAGO, ILL.
Randolph 35

LARGE SUPPLY

OF

Fancy Sweet Peas, Violets,
Tulips, Jonquils,
and Other Choice Seasonable Stock.

ORCHIDS

By the 100, \$30.00 to \$35.00.

CURRENT PRICE LIST

AMERICAN BEAUTIES.		Per doz.			Per 100
Long Special	.....	\$5.00 to	\$ 6.00	MELODY, long	..... \$12.00 to \$15.00
36-inch	.....	4.00		Medium	..... 8.00 to 10.00
30-inch	.....	3.00		GOOD SHORT STEM ROSES.	
24-inch	.....	2.00		Our selection	..... 5.00 to 6.00
15-inch to 20-inch	.....	1.50		Our Extra Special Grade Roses charged accordingly.	
12-inch	.....	1.00			Per 100
Short Stem, per 100	.....	\$4.00,	6.00	CARNATIONS, fancy	\$ 4.00
				" first quality	..... 3.00
				" splits	..... 2.00
RICHMOND, select	.....	\$15.00		ORCHIDS, Cattleyas, per doz	\$4.00 to \$5.00
Fancy	.....	12.00		HARRISII, per doz	\$2.00 12.00
Medium	.....	\$8.00 to	10.00	NARCISSUS PAPER WHITE	3.00
Good Short	.....	6.00		ROMANS	2.00 to 3.00
PRINCE DE BULGARIE, extra select		\$20.00		VALLEY	3.00 to 4.00
Select	.....	15.00		VIOLETS, double.....	.75 to 1.00
Medium	.....	\$10.00 to	12.00	VIOLETS, single, Princess of Wales	1.00 to 1.25
				MIGNONETTE, large spikes	6.00 to 8.00
KILLARNEY, select	.....	\$15.00		FREESIAS	3.00 to 4.00
Fancy	.....	12.00		JONQUILS	3.00
Medium	.....	\$8.00 to	10.00	DAFFODILS	3.00
Good Short	.....	6.00		TULIPS, all colors	3.00 to 4.00
MRS. AARON WARD, extra		\$15.00		NOVELTY TULIPS	5.00
Select	.....	12.00		SWEET PEAS.....	.75 to 1.00
Medium	.....	\$8.00 to	10.00	ADIANTUM, short	1.00
MY MARYLAND, select		\$15.00		ADIANTUM CROWEANUM, fancy	1.00
Fancy	.....	12.00		SMILAX per doz., \$2.00	
Medium	.....	\$8.00 to	10.00	SPRENGERI PLUMOSUS SPRAYS	3.00 to 4.00
Good Short	.....	6.00		PLUMOSUS STRINGS each, 60c	
WHITE KILLARNEY, select		\$15.00		FERNS per 1,000, \$2.00	
Fancy	.....	12.00		GALAX per 1,000, 1.00	
Medium	.....	\$8.00 to	10.00	LEUCOTHOE.....	.75
Good Short	.....	6.00		BOXWOOD, per bunch.....	.25c
PERLE, long		\$ 8.00		BOXWOOD, per case	\$6.50
Medium	.....	6.00		MEXICAN IVY per 1,000	6.50 .75
Short	.....	4.00			

POEHLMANN'S FANCY VALLEY } We make these a specialty.
EXTRA FINE HARRISII LILIES } Can supply them all the Year.
Once tried you will have no other

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

CARNATIONS

FOR VALENTINE'S DAY. FINE RED, WHITE and PINK.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

	Per Dozen		Per Dozen
60-inch stems	} \$5 00	24-inch stems	\$3.00
48-inch stems		20-inch stems	2.50
36-inch stems		15-inch stems	2.00
30-inch stems			

Killarney.

	Per 100
Extra special	\$12 00
Selects	10.00
Fancy	8.00
Medium	7.00
Good	6.00
Short stems	5.00

Richmond

	Per 100
Extra special	\$15.00
Selects	12.00
Fancy	10.00
Medium	8.00
Good	6.00

Jardine

	Per 100
Select	\$10.00
Fancy	8.00
Good	6.00

White Killarney

	Per 100
Extra specials	\$12.00
Selects	10.00
Fancy	8.00
Medium	7.00
Good	6.00
Short stems	5.00

Uncle John

Select	\$ 8.00
Fancy	6.00
Good	4.00

Roses, our selection - - - \$5.00

Carnations,

Special	\$4.00
Fancy	3.00
Good	2.00

TULIPS.....\$3.00 to 4.00

FERNS, per 1000, \$2.50. SMILAX, per doz., \$1.50 to \$2.
 ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.
 SPRENGERI, per 100, \$2.00 to \$3.00.
 ASPARAGUS SPRAYS, per 100, \$2.00 to \$3.00.

The Civil Service Board of the West Chicago Park Commissioners will hold an examination for head florist on February 27, at the Garfield Park Pavilion at 9:00 a. m., and also for a florist. The head florist to have full charge of the Garfield Park conservatory and propagating houses and the outdoor gardens, and flower beds in all the parks in the system are also under his care. He is also required to prepare for and arrange special floral exhibits, the pay to be \$140 to \$200 per month. The duties of florist are general work in the conservatory and outdoor gardens throughout the system with pay \$2.25 to \$2.50 per day. It is not required that the candidates be residents of Chicago.

John Poehlmann says that if the painters and carpenters get through with their work on his firm's new store in time Poehlmann Bros. Co. will move into its new quarters next week. The stock that this firm is cutting is of its usual good quality and some especially fine sweet peas, orchids, tulips, jonquils and other flowers are among the daily offerings.

J. E. Jones and son, R. E. Jones, of Richmond, Ind., took in the automobile show and the florists' club meeting here last week. The latter says that if he is as successful in inducing his father to purchase a new auto as Fred Lautenschlager was to make him a life member of the S. A. F. he will soon have one of the latest model cars.

John Schillo says that the Adam Schillo Lumber Co. has already booked a few good sized orders for pecky cypress and that the outlook is bright for a banner year. The well known lumberman says that there is only

one bad feature about his cypress and that is it lasts too long.

August Lange has insufficient room in his present quarters for the large force of employes, numbering about 35 on certain days of the week, and has leased additional space on the floor above his store which will be connected with the ground floor by an electric elevator.

A. L. Vaughan & Co. are offering a full line of seasonable flowers with violets, double daffodils, tulips and sweet peas of unusually fine quality. Business has been very good with this firm the past week, both the local and shipping trade being exceptionally brisk.

The J. B. Deamud Co. is particularly well fixed on violets and expects to fill all orders in full for both single and double for St. Valentine's Day. This house is handling a large quantity of wild smilax, fancy ferns, Asparagus Sprengeri and Asparagus plumosus.

The stock that Hoerber Bros. are cutting is of fine quality and some fancy roses and carnations are daily arrivals at the store this week. F. C. Hoerber says the Killarneys are looking fine and that they will soon be in crop.

Wm. Currie, Benj. Gregory, Hugh Maxwell and John Pilsner of Milwaukee were some of the out-of-town Scotchmen who witnessed the curling match here this week.

John Poehlmann, Jr., writes that he is having a delightful time at Culver, Ind., where he is attending the well known military academy.

O. P. Bassett, who will be 77 years of age next month, has traveled 5,000 miles in his automobile in California



VIOLETS
 AND
Orange Blossoms
 FOR VALENTINE DAY.
M. C. GUNTERBERG,
 82-86 E. Randolph St.,
 Chicago, Ill.
 Phone
 Central 3067-6

during the past three months.

John Mangel is lavishly renovating the Palmer House flower store and expects to have it ready for occupancy about March 1.

H. C. Rowe is now installed in the new store, across the street from his old location, and reports business good.

Orange blossoms and violets are Miss M. C. Gunterberg's chief offerings for St. Valentine's day.

A. Henderson & Co. are now booking orders for tuberous begonias and gloxinias.

Vaughan's Seed Store retail catalogue for 1912 is being mailed this week.

E. B. Washburn will celebrate another birthday on March 5.

Mrs. Wm. P. Kyle is making good progress toward recovery.

FANCY BEAUTIES

Killarneys and Carnations

Quantity Large

Quality Best

CURRENT PRICE LIST.

AMERICAN BEAUTIES		MY MARYLAND, Special.....		Harrisii Lilies,	
Per doz.		Per 100		per doz., \$1.50 to \$2.00	Per 100
Extra long.....	\$ 5 00	Select.....	12 00	Valley.....	3 00 to 4 00
36 inch stems.....	4 00	Medium.....	10 00	Violets.....	75 to 1 00
30 inch stems.....	3 00	Short.....	8 00	Sweet Peas.....	1 00 to 1 25
24 inch stems.....	2 50	SUNRISE, Select.....	5 00 to 6 00	Paper Whites.....	3 00 to 4 00
20 inch stems.....	2 00	Medium.....	10 00	Tulips.....	3 00 to 4 00
15 inch stems.....	1 50	Short.....	5 00 to 6 00	Romans.....	3 00 to 4 00
12 inch stems.....	1 00	MRS. MARSHALL FIELD		Asparagus, bunch.....	2 00
Shorts.....	75	Special.....	10 00	“ strings, 60c to 75c ea.	
RICHMONDS, Special.....	Per 100	Select.....	8 00	“ Sprengeri.....	2 00
Select.....	12 00	Medium.....	6 00	Smilax.....	1 50 to 2 00
Medium.....	8 00	Short.....	4 00 to 5 00	Mexican Ivy.....	75
Shorts.....	\$ 5 00 to 6 00	PERLES, Special.....	10 00	Galax, bronze and green.	
KILLARNEY, Special.....	12 00	Select.....	8 00	per 1000, \$1.00	
Select.....	10 00	Medium.....	6 00	Leucothe Sprays.....	75
Medium.....	8 00	Short.....	5 00	Boxwood, per bunch.....	.25c
Shorts.....	5 00 to 6 00	Roses, our Selection.....	5 00	Ferns.....	per 1000, \$2.50
WHITE KILLARNEY, Special	12 00	Carnations, Fancy.....	4 00		
Select.....	10 00	“ Good.....	3 00		
Medium.....	8 00				
Short.....	5 00 to 6 00				

PETER REINBERG,

30 E. Randolph Street,

CHICAGO.

Max Ringier has the sympathy of the trade in the loss of his wife, whose death was caused by tuberculosis Thursday, February 1. The deceased was 32 years old and leaves a husband and four small children to mourn her loss. The funeral was held from the residence last Saturday at 12:30 a. m. and interment at Oakwood cemetery. Mr. Ringier wishes to thank his many friends in the trade for the kindness shown him during his recent bereavement and for the many beautiful floral designs that were delivered at his residence on the sad occasion.

Otto W. Frese, speaking for the Chicago Flower Growers' Association, says that business is exceptionally good and fully up to his expectations. His firm is receiving some good-sized shipments of Killarney and White Killarney roses of fine quality in addition to a full line of all other seasonable stock.

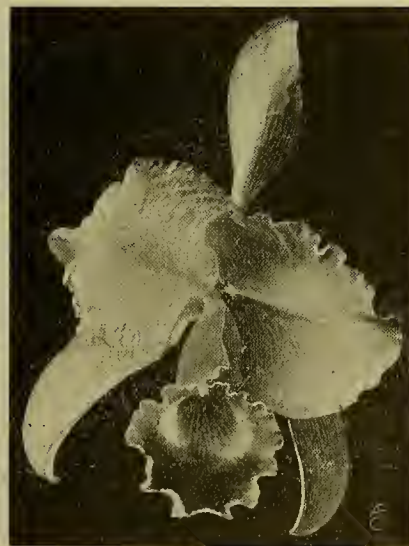
J. B. Deamud has returned from Cairo, Mich., where he was called last week by the serious illness of his father. Mr. Deamud's many friends are pleased to hear that his father's condition is improving and that an early recovery is looked for.

Phil Schupp says that the stock in 16 of J. A. Budlong's greenhouses have suffered considerably from escaping gas, with the result that his firm is minus a large supply of roses when they are most needed.

John Starrett is kept pretty busy at the Hotel La Salle, arranging the decorations for the many social functions that are happening daily at this well-known hostelry.

Allie Zech and Michael Fink were pallbearers at the Ringier funeral, which was held last Saturday, February 3.

Ed Winterson is now living in his new home at Congress and Hamlin avenues.



ORCHIDS

and All Other Desirable Flowers For Valentine Day.

A fine stock of Cattleyas, Gardenias, Sweet Peas, Assorted Orchids, Valley, Violets, Beauties, and all fancy flowers always on hand. Decorative stock and supplies of all kinds.

Send for Price List.

CHAS. W. MCKELLAR

162 N. Wabash Avenue, CHICAGO.

BRANT & NOE FLORAL CO.

Grows Carnations Only. Nineteen years of direct shipments from greenhouses to retailers, at reasonable prices, is the cause of so many long satisfied customers.

We Know Our Business and do everything in our power to please. Send your orders. Get as good as the best, at first cost affording you a profit with patrons seeking your store again and again.

Write or Wire **BRANT & NOE FLORAL CO., 5744 Brantwood Ave., CHICAGO**

Chas. W. McKellar is still receiving large quantities of orchids and violets and is showing some fancy bulbous stock.

D. E. Freres is filling orders for fancy sweet peas and carnations. James Chacona of Milwaukee, Wis., was with us again this week.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

OTTO W. FRESE, Manager.

VIOLETS

PRICE LIST:

FOR

Valentine Day

Extra Fine Single

Princess of Wales

\$10.00 per 1000.

New York Double

\$7.50 per 1000.

Home-Grown Double

\$10.00 per 1000.

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.50	\$ 2.00	\$ 1.50	\$ 1.25
Killarneys.....per 100	12.00	10.00	9.00	8.00	7.00	6.00	5.00
White Killarneys.....	12.00	10.00	9.00	8.00	7.00	6.00	5.00
Richmonds.....	12.00	10.00	9.00	8.00	7.00	6.00	5.00
My Maryland.....	12.00	10.00	9.00	8.00	7.00	6.00	5.00
Perle.....	12.00	10.00	9.00	8.00	7.00	6.00	5.00
Msids.....	10.00	9.00	8.00	7.00	6.00	5.00	4.00
Brides.....	10.00	9.00	8.00	7.00	6.00	5.00	4.00
Carnations.....	4.00	3.00	2.00	1.50			
Easter Lilies.....	12.50	10.00					
Orchids, Cattleyas.....per dozen	6.00	5.00	4.00				
Lily of the Valley.....per 100	4.00	3.00	2.00	1.50			
Violets, Princess of Wales.....	1.00						
" single and double.....	.75						
Sweet Peas.....	1.00	.75	.50				
Mignonette.....	6.00	4.00					
Romans.....	3.00	2.00					
Narcissus.....	4.00	3.00					
Tulips.....	4.00	3.00					
Jonquils.....	4.00	3.00					
Daisies.....	1.00						
Asparagus Plumosus Sprays.....	4.00	3.00	2.00				
Asparagus Sprengeri Sprays.....	3.00	2.00					
Mexican Ivy, \$5.00 per 1000.....	.60						
Smilax.....	12.50	10.00					
Adiantums.....	1.00						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.50						
Boxwood, 50-lb. case \$6.00.....bunch	.25						

J. Stuppy of the Stuppy Floral Co., of St. Joseph, Mo., writes that his bowling team is in fine condition and that it is going to trim up the local Florists' Club's picked team when it plays here during the American Bowling Congress in March. Mr. Stuppy says that his team has already won one pennant and that it is destined to win another when it plays here. The local boys wish the Missouri bowlers good luck in the tournament but say that as far as winning from their picked team is concerned that they will have a little something to say when it comes to carrying off the pennant.

Kroeschell Bros. Co. has a reputation for filling telegraph orders on short notice, but it is going some when it receives an order for a boiler at 10 a. m. and places it on the 2 p. m. train the same day. This was done one day last week when an out-of-town party reported having trouble with his heating system and stood in danger of losing his entire stock. It is needless to say that the boiler reached its destination in due time and that the grower saved his stock, thanks to Kroeschell Bros. Co.'s prompt action.

The many friends of Duncan A. Robertson, vice-president of the Florists' Club, not knowing his middle initial, were much interested to know if he was the Duncan C. Robertson who skipped one of the local curling teams against the Scotch curlers. They all thought they would like to see him whisk the little broom and accost his teammates with the "Hoot mon!"

Peter Reinberg is cutting quite heavily in roses and carnations and is indeed fortunate in having such a large supply as is seen at the store during the general shortage that is prevailing at present. Tim Matchen finds but little trouble in disposing of the stock

and the way the orders came in last Monday shows that the out-of-town trade is buying quite heavily.

Bassett & Washburn are still receiving a large quantity of fine lilies and American Beauty roses in addition to a fine grade of Rhea Reid roses and O. P. Bassett carnations. This firm has met with much success in growing the two latter flowers and are experiencing much trouble in filling all the orders for this popular rose and carnation.

The A. L. Randall Co. is receiving a large number of orders for the splendidly prepared magnolia leaves that it is featuring in the supply department sale this week. Frank Johnson, the industrious manager, says that the next thing on the programme is a basket sale with a 30 per cent discount off on fancy and novelty baskets.

Wm. Graff and wife have returned to their home in Columbus, O., after having consulted Dr. Billings in regard to his health. The well-known specialist told Mr. Graff that he would have to undergo another operation for appendicitis before he could look for a complete recovery.

N. J. Wietor says that the stock in Wietor Bros.' greenhouses is doing nicely and that some large crops of roses are on the way. A fine grade of American Beauty roses and a large supply of choice carnations in all the leading varieties can be seen at the store this week.

H. Bauske has placed an order with the A. Dietsch Co. for the material for the four large greenhouses that he is going to rebuild this season. He has also placed a large order with the Adam Schillo Lumber Co. for pecky cypress for bench purposes.

D. D. Johnson, general manager of the United Fertilizer Co., says that everything is going along nicely and

from present indications the Evergreen Brand Flower Fertilizer will be used more extensively than ever this year.

Louis Kreitling, father of Mrs. Chas. Kochman, formerly Miss Anna Kreitling, and the late Walter and Oscar Kreitling, died February 6, after four weeks' illness, aged 76 years.

H. Van Gelder, of Percy Jones, bought a new five-passenger Buick touring car at the automobile show in the Coliseum last week. Now bowlers, all aboard for Milwaukee!

The Chicago Carnation Co.'s stock is arriving at the store in large quantities where some fancy carnation blooms are nearly always obtainable.

Sprinklerproof Sam, Sidney Wertheimer and A. B. Marks, New York. 'Nuff said. The first named is still traveling without an umbrella.

Winterson's Seed Store, western headquarters for A. T. Boddington, of New York, is expecting a large shipment of cannabis soon.

Weiland & Risch are cutting quite heavily in Killarney and White Killarney roses, gardenias and carnations.

Gust Pappas has returned to Des Moines, Ia., after having enjoyed a three weeks' visit in this city.

Peter Nohos and E. J. Manos of Milwaukee, Wis., were in the city buying stock this week.

Bridesmaid roses of the best grade is one of Zech & Mann's stand-bys this week.

John Kruchten is featuring fine gardenias, snapdragons and carnations.

T. D. Long of Denver, Colo., was in the city this week on business.

Kennicott Bros. Co. is showing some of Klehm's fine novelty tulips.

Visitors: F. J. Farney, representing M. Rice & Co., Philadelphia; Peter Nohos, R. J. Manos, Wm. Currie and Benj. Gregory, Milwaukee.

VIOLETS, VALLEY

Double Daffodils, Jonquils, Tulips and other Choice Stock for St. Valentine's Day.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.
Long stems		\$ 5 00
30 to 36-inch stems		4 00
20 to 24-inch stems		3 00
18-inch stems		2 00
12 to 15-inch stems		1 50
Shorts		1 00
		Per 100
White Killarney	Special	\$15 00
	Fancy	12 00
Killarney	Medium	8 00 to 10 00
Maryland	Short	6 00
Richmond	Special	15 00
"	Fancy	12 00
"	Medium	8 00 to 10 00
"	Short	6 00
ROSES, our selection		per 100, \$6.00
Lilies		per doz., \$1 50 to \$2 00
Callas		per doz., 1 50 to 2 00

	Per 100
Carnations, common	\$2 00 to \$3 00
" fancy	4 00
Cattleyas	per doz., \$5 00 to '6 00
Jonquils	3 00 to 4 00
Tulips	3 00 to 4 00
Valley	3 00 to 4 00
Violets	75 to 1 00
Paper Whites and Romans	3 00 to 4 00
Sweet Peas	75 to 1 50
Smilax	per doz., \$1 50 to \$2 00
Asparagus Strings	each, 75c
Asparagus Plumosus	per bunch, 25c to 50c
Fancy Ferns	per 1000, \$2 00 to \$2 50
Wild Smilax	per case, \$5 00
Boxwood	per lb., 25c; 50 lbs., 7 50
Mexican Ivy	75
Galax, green and bronze	per 100, \$1 00
" " " "	per case, \$7 50

A. L. VAUGHAN & CO.

Long Distance Phone Central 2751.

161 N. Wabash Ave., CHICAGO.

Chicago Florists' Club.

The regular meeting of the Florists' Club was held at the Union Restaurant February 1. After the reading of the minutes of the previous meeting, Retiring President Philpott vacated the chair for President Foley. Fred W. Tredup, 1209 East Seventy-fifth street, was elected to membership and the following were proposed for membership: J. F. Potocka, 176 North Michigan avenue; Paul M. Bryant, 131 North Wabash avenue; J. Schriver, Twenty-sixth street and Western avenue; C. F. McCormick, 143 North Wabash avenue; Sprinkleproof Samuel Seligman, 565 Broadway, New York.

President Washburn and Secretary Ammann of the Illinois State Florists' Association told of the excellent work which this organization has accomplished and urged a large attendance at the annual meeting and exhibition to be held in Joliet March 5.

Secretary Burdett of the Horticultural Society spoke of the plans for the spring exhibition at the Art Institute March 12-17, suggesting among other things that the club members, by aiding a flower show at this place, would certainly promote their own interests.

George Asmus, who followed, said that all flower shows are helpful to the trade and that florists should do everything in their power to make them attractive and successful.

Fred Lautenschlager's many friends made an effort to have him endorsed for superintendent of the trade exhibition to be held here next August in connection with the annual convention of the Society of American Florists. As it was stated this position had already been filled, it was thought that he could be recommended as assistant to the superintendent and the matter was left open until the next meeting.

Chas. J. Bond, of Naperville, exhibited a number of vases of cattleya blooms, including some remarkably large specimens of C. Trianae. Anton Then exhibited Carnation No. 41, a good white which scored 80 points and doubtless would have scored higher if it had been better staged, as the blooms apparently suffered from lack of water.

President Foley announced the following standing committees:

Sports and Pastimes Committee—Allie Zech, Frank Ayers and Otto Goerisch.

Good of the Club Committee—Guy French, A. C. Kohlbrand and Ed Enders.

Transportation Committee—Andrew Benson, H. B. Howard and H. C. Philpott.

Cincinnati.

ADEQUATE SUPPLY FOR ST. VALENTINE'S.

This week opened with cold weather which seemed to put a slight damper on the enthusiasm of the buyers. The opening business was very good but all stock was not cleaned up as quickly as throughout the preceding fortnight. Indications point to an adequate supply for St. Valentine's day, of the flowers mostly in demand at that time. Shipping business is good. The amount of roses available is very short of what might be used, if they were forthcoming. American Beauties are getting back to normal condition and as a result orders are being filled in fairly satisfactory shape. Richmonds are in particularly good supply and are finding a good market. The carnation market has eased a little and at the opening of this week practically not one of the buyers was disappointed in not getting all he wanted of this flower. Out of town orders have been taking up many of these blooms. Bulbous stock still shows the same short-

age in longiflorum lilies and callas. Tulips, jonquils and freesia are in good supply and have been proving very good property. Other offerings in this line are Roman and Dutch hyacinths, Paper White and Poeticus narcissus and rubrum lilies. Miscellaneous lines are well supplied, the supply of sweet peas is good and easily cleans up each day. Single violets are cleaning up well while doubles moved slowly for several days past and the opening of this week showed somewhat of an accumulation. Orchids, while selling, are moving none too quickly. The green goods market is well supplied in all lines.

NOTES.

A regular meeting of the Florists' Club will be held at the club rooms on Monday evening, February 12.

Nic Weber, Jr., has been appointed superintendent of the Flower Market by the trustees:

P. J. Olinger has as his guest Mr. and Mrs. Fred Funke, his sister and brother-in-law from Emerald, N. D.

Ed. Schumann is wearing "the smile that won't come off." A baby girl arrived at his home the past week.

Visitors: Eddie Fancourt, representing S. S. Pennock-Meehan Co. of Philadelphia, Pa. H.

Illinois State Florists' Association.

President Washburn of the Illinois State Florists' Association has appointed the following committees in connection with the forthcoming annual meeting and exhibition at Joliet, March 5:

Entertainment Committee—William Hartshorne, A. T. Pyfer and Peter Olsem.

Reception Committee—A. C. Rott, P. W. Peterson and John Goranson.

Exhibition Committee—Peter Olsem, C. E. Carter and Joseph Labo.

"The Busiest House in Chicago"

**Headquarters for Wild Smilax,
Asparagus Plumosus Sprays,
Asparagus Sprengeri Sprays,
Fancy Chicago Grown Violets,
Choice Eastern Violets.**

J. B. DEAMUD CO.
160 N. Wabash Ave., CHICAGO.

Ed. Winterson Co., 166 N. Wabash Ave.,
CHICAGO

Consignments Solicited.

Wholesale Cut Flowers and Green Goods.

Boston.

TRADE FAIR.

Continued cold weather and snow storms is what is being handed to us at present, but trade is fairly good considering such weather. Roses during the last week have had a good call, the increased demand for good stock being noticeable. Crops as a general rule are off, but the quality of all grades coming in is good. We noticed some good My Maryland and Mrs. Aaron Ward roses, and Radiance is in good form. This rose has proved to be a good winter as well as summer rose; its deep pink seems to take very well and its rampant growth makes it easy to handle. Carnations are coming in plentifully and as a rule of good quality. Bulbous stock still continues to endeavor to rule the market with its quantity. Violets and sweet peas are plentiful.

NOTES.

Mayor Fitzgerald has had plans drawn for a new city hall to cost \$2,000,000, extending from School to Court street. If it were possible, why not have a central flower market in the building? The present markets are congested and not at all suitable for the purpose and the city would perhaps be glad to help along the cause and at the same time gather in a few shekels.

McKinley day passed without having much effect on the carnation market. An editorial in one of the papers stated that the florists were booming the day for their own trade. Coming down to the fine point, the editorial was perhaps right. The florists ought to set the example and wear a flower themselves.

The mid-winter flower show of the Massachusetts Horticultural Society was held in Horticultural hall February 1-3. Among the florists who exhibited were James Wheeler, Natick, and S. J. Goddard, Framingham, who showed carnations, and F. J. Dolansky, Lynn, exhibited gardenias.

There is a reported shortage of both hard and soft coal in the neighboring towns, caused by the congestion of freight owing to weather conditions. In one town there are three large coal dealers without any soft coal. We

have heard of no florists being caught with empty bins.

S. J. Reuter & Son, Westerly, R. I., are sending in some good My Maryland roses. This is the rose that received high praise some time ago and then got into a stormy sea and was buffeted about somewhat roughly. Those that we saw had good stems and clean, healthy foliage.

Valentine's day is almost here and this being leap year there are a few in the trade who ought to be married, that are shaking with fear that they will get caught in the meshes of the up-to-date 1912 woman.

An enormous amount of flowers were used last week for the Thanksgiving services in honor of Cardinal O'Connell, and in the decoration for the banquet given in his honor at the Somerset hotel.

The Mrs. Aaron Ward roses being sent in by McAlpine of Exeter, N. H., show good culture. This rose has to be pinched to make it a success.

Those who believe in ground hog day see six weeks more of winter, and at present writing their views may be verified.

Thomas Pegler took charge of the Flower Growers' Sales Co. as manager January 29. MAC.

Dutchess County Horticultural Society.

The regular monthly meeting of the Dutchess County Horticultural Society was held at Poughkeepsie, N. Y., January 24, and had as guests James Scott and M. F. Ross. Mr. Scott gave a very fine description of the Detroit show, dwelling particularly on the new varieties shown there.

Scott Bros. of Elmsford, N. Y., exhibited a vase of a very fine crimson seedling carnation to which the societies' committee on seedlings awarded a certificate of merit. After adjournment the members spent a very enjoyable afternoon on the bowling alleys.

In the evening the annual banquet was held at the Nelson house, the principal speakers being Mr. Scott, Mr. Walworth and R. E. Cron. Conflicting dates prevented as large an attendance as is usual, but taken all in all the affair was a great success.

H. G. COTTAM, Sec'y.

New York Notes.

Undoubtedly one of the most magnificent decorations of the season was that carried out by the firm of J. H. Small & Sons on the occasion of the dinner and dance given by Mr. and Mrs. Peter Gerry at 1025 Fifth avenue on Thursday night. Mrs. Gerry was formerly Miss Mathilde Townsend, the famous belle of Washington. The dining room was decorated profusely with lilac and pink roses, and the ball room was decorated with lilacs, American Beauties and spring flowers. Pots of Begonia Gloire de Lorraine were everywhere and the entire house in every part had flowers of some kind in vases. It was certainly a wonderful sight, and Albert Small, who personally superintended the entire work, deserves great credit for the fine art displayed in the arrangements.

The fifth annual ball of the Greek American Florists' Association promises to outshine anything of the kind that has been held in the past. It will be held in Terrace Garden, Fifty-eighth street and Lexington avenue, Wednesday, February 28, at 8 p. m. The committee of arrangements are Nicholas J. Lales, James Carlaftes, Nicholas Lecakes, Constantine Cardacio, John S. Nicholas, James Saterlades, and Peter Velotas. Efforts are being made to secure Joseph Fenrich for floor manager. All of the wholesalers and growers make it a point if possible to be present, and this ball deserves the success which it will be.

Valentine Hamann, the well known carnation grower of Summit, N. J., met with a very deplorable accident at that place on February 1. Mr. Hamann was unconscious for several hours and at latest reports was in a very critical condition. Henry Wolf, who was in the automobile with Mr. Hamann, was killed.

Visitors: J. Otto Thilow, Wm. Gelger, superintendent for Stephenson's Son; Theodore Shader, superintendent Joseph Heacock's palm department, Philadelphia, Pa. Y.

NEW YORK.—The petition in bankruptcy filed by A. Moltz & Co. has been dismissed by the court on consent of the creditors, as Mr. Moltz claimed the firm is solvent. The partnership is dissolved and Mr. Moltz assumed the liabilities.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House,

66 E. Randolph Street,

CHICAGO.

Everything in Cut Flowers and Supplies.

Special offer in Supply Department this week. 30 per cent discount on Fancy and Novelty Baskets. Write for proposition. If you do not get our cut flower price list, write for it. A card will bring it to you.

Mention the American Florist when writing

Cut Flowers * * * E. H. HUNT

FOR ALL OCCASIONS.

— SEND FOR PRICE LIST. —

FLORISTS' SUPPLIES TOO.

131 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

168-165 N. Wabash Ave Chicago
L. D. Phone Central 468.

We will have anything in the line of

CUT FLOWERS and GREENS

that you may want if anybody has it, at Chicago market prices on day of shipment.

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Nebraska State Florists' Society.

The annual meeting of the Nebraska State Florists' Society was held at Lincoln, Neb., January 16, 1912. The election of officers resulted as follows: Irwin F. Frey, Lincoln, president. J. W. Lawson, York, vice-president. Lewis Henderson, Omaha, secretary. J. E. Atkinson, Pawnee City, treasurer.

C. H. Green, Fremont, Edward Williams, Grand Island, and W. E. Davidson, Holdredge, trustees. The society recommended that the premiums for flowers at the state fair be increased about \$200, making the total prizes about \$700.

The annual banquet was held after the meeting at the Lindell hotel, there being about 100 present. C. H. Green of Fremont acted as toastmaster and the toasts and responses from the several guests were enjoyed until a late hour. L. H.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

Geo. Reinberg

Wholesale Florist

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing

Wholesale Flower Markets

	CHICAGO, Feb. 7.	Per doz.
Roses, Beauty, specials.....	5 00@	6 00
" " 36-in.....		4 00
" " 30-in.....		3 00
" " 24-in.....		2 00
" " 20-in.....		1 50
" " 18-in.....		1 00
" " 12 in.....		75
" " Short.....	4 00@	6 00
" Killarney.....	4 00@	15 00
" White Killarney.....	4 00@	15 00
" Richmond.....	4 00@	15 00
" Prince de Bulgarie.....	10 00@	20 00
" Mrs. Aaron Ward.....	10 00@	20 00
" My Maryland.....	4 00@	15 00
" Perle.....	4 00@	8 00
" Melody.....	8 00@	15 00
" Bride.....	4 00@	15 00
" Bridemaid.....	4 00@	15 00
" Uncle John.....	6 00@	8 00
" Mrs. Jardine.....	4 00@	10 00
" Mrs. Marshall Field.....	4 00@	10 00
Carnations.....	2 00@	4 00
Bouvardia.....	4 00@	5 00
Daffodils.....		3 00
Gardenias.....		4 00
Cattleyas..... per doz.,	4 00@	6 00
Oncidiums.....		5 00
Vanda Cereulea..... per doz.,		3 00
Lilium Harrisii..... per doz.,	2 00@	12 00
Mignonette.....	6 00@	8 00
Paper Whites.....		3 00
Romans.....	2 00@	3 00
Sweet Peas.....		75@ 1 00
Freesias.....	3 00@	4 00
Tulips.....	3 00@	5 00
Valley.....	3 00@	4 00
Jonquils.....		3 00
Violets, Single.....	75@	1 25
" Double.....	75@	1 00
Adiantum Croweanum.....		1 00
Boxwood..... per bunch,		25
Ferns..... per 1000,		2 00
Galax bronze.....		1 00
green.....		1 00
Leucothoe.....		75
Mexican Ivy.....		75
Plumous String..... each,	50@	60
Smilax..... per doz.,	1 50@	2 00
Sprengerl, Plumous Sprays.....	3 00@	4 00

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO
Long Distance Phone, Randolph 3619.

HOERBER BROS.

Wholesale Growers of Cut Flowers,
Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

WIETOR BROS.

Wholesale Cut Flowers
Growers of

All telegraph and telephons orders given
prompt attention.

62 N. Wabash Ave., CHICAGO 01

Percy Jones

56 E. Randolph St., CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

Rooted Carnation Cuttings of Mrs. C. W. Ward and Alma Ward

\$3.50 per 100; \$30.00 per 1000. Delivery Feb. 1.

Both varieties are too well known to require any description. Most growers who bought cuttings last spring are growing them successfully. The flowers continue to be in favor with the retail trade and command the best prices. Also almost all the Commercial Varieties on the market today.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

GOLDEN SPUR YELLOW TULIPS

Best on the Market

THE MCGALLUM CO. Inc.
Pittsburg Cleveland

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Cleveland.

STOCK STILL SCARCE.

The market remains about the same as last week, the weather continues cold and stock is scarce, particularly in Killarney and White Killarney roses. Carnations have been a little larger in supply but not enough to cause a surplus, the lighter colors being short of the demand. American Beauties are in good supply both in short stems for funeral work and fancy large stock for display and decorations. Lily of the valley is plentiful and of excellent quality. Orchids are moving nicely, some very fine local stock arriving fresh every day. Violets have only a limited call on account of the extremely cold weather. Sweet peas are good and bulbous stock is plentiful. Formosum lilies are beginning to arrive regularly.

NOTES.

Peter Nichols and wife are the recipients of many congratulations. The stock left an eleven-pound baby boy at their house last week. Mr. Nichols is the possessor of "the smile that won't come off" these days.

A small fire at C. Reef's greenhouses at N. Olmstead caused the loss of considerable glass, but there was very little damage.

Milford Parks is the proud father of a baby girl which arrived very recently. Let the good work go on.

C. F. B.

St. Louis.

ROSES VERY SCARCE.

Stock the past week has been moving briskly, good carnations have been cleaning up right along, and roses of all kinds have been very scarce. Friday night a heavy snow covered all the surrounding country and caused the stock to shorten up considerably.

NOTES.

C. A. Kuehn is handling some very fine lily of the valley.

Wholesale Flower Markets

PHILADELPHIA, Feb. 7.		Per 100
Roses, Beauty, extra.	40 00@60 00	
" " " " " " " "	20 00@30 00	
" " " " " " " "	4 00@20 00	
" " " " " " " "	4 00@20 00	
" " " " " " " "	4 00@15 00	
" " " " " " " "	4 00@20 00	
Callas	12 00@15 00	
Cattleyas	35 00@50 00	
Daffodils	2 00@3 00	
Gardenias	per doz., 2 00@3 00	
Lilium Harrisi	10 00@15 00	
Lily of the Valley	3 00@5 00	
Marguerites	75@1 50	
Narcissus Paper White	1 50@2 50	
Snagdragons	6 00@15 00	
Sweet Peas	75@1 50	
Tulips	2 00@3 00	
Violets, single	1 00	
" " " " " " " "	1 00	
Adiantum	1 00@1 50	
Asparagus	per bunch, 50	
Smilax	15 00@20 00	
BUFFALO, Feb. 7.		Per doz.
Roses, Beauty, special	6 00	
" " " " " " " "	4 00	
" " " " " " " "	3 00	
" " " " " " " "	2 00	
" " " " " " " "	50@1 00	
Per 100		
Bon' Silene	3 00@4 00	
Perle	5 00@8 00	
Maid and Bride	5 00@8 00	
Pink Killarney	6 00@15 00	
White Killarney	6 00@15 00	
Richmond	6 00@15 00	
My Maryland	5 00@12 00	
Carnations	2 00@3 50	
Callas	10 00@12 00	
Catt eyes	30 00@50 00	
Daffodils	2 00@3 00	
Gardenias	15 00@25 00	
Daffodils, Single	2 00@3 00	
Lilium Longiflorum	10 00@12 00	
Lily of the Valley	3 00@5 00	
Mignonette	3 00@3 00	
Narcissus Paper White	2 00@3 00	
Romans	2 00@3 00	
Stevia	1 00@1 25	
Sweet Peas	50@1 00	
Tulips Yellow and White	4 00	
Violets	40@60	
Adiantum Croweannum	75@1 50	
Asparagus, per bunch,	35@50	
Asparagus Sprengerii,	35@50	
PITTSBURGH, Feb. 7.		Per 100.
Roses, Beauty, special.	30 00@40 00	
" " " " " " " "	15 00@25 00	
" " " " " " " "	10 00	
" " " " " " " "	3 00@8 00	
" " " " " " " "	3 00@8 00	
" " " " " " " "	3 00@8 00	
" " " " " " " "	3 00@8 00	
" " " " " " " "	3 00@8 00	
" " " " " " " "	3 00@8 00	
Carnations	3 00@4 00	
Cattleyas	50 00	
Lilium Longiflorum	10 00@12 00	
Lily of the Valley	4 00	
Oncidiums	3 00@4 00	
Sweet Peas	50@1 00	
Violets, single	35 @ 50	
" " " " " " " "	75	
" " " " " " " "	1 00	
Adiantum	per bunch, 35	
Asparagus Sprengerii, per bunch,	35	
" " " " " " " "	35	
CINCINNATI, Jan. 31.		Per 100
Roses, Beauty	per doz., 1 00@5 00	
" " " " " " " "	Per 100	
" " " " " " " "	3 00@8 00	
" " " " " " " "	3 00@10 00	
" " " " " " " "	3 00@10 00	
" " " " " " " "	3 00@10 00	
" " " " " " " "	4 00@6 00	
" " " " " " " "	4 00@10 00	
Carnations	3 00@5 00	
Freesias	3 00@4 00	
Lilium Giganticum	15 00	
Lily of the Valley	3 00@4 00	
Narcissus	3 00	
Jonquils	4 00	
Sweet Peas	75@1 00	
Violets, double	75@1 00	
" " " " " " " "	75@1 00	
" " " " " " " "	1 00@1 50	
Adiantum	per bunch, 25	
Asparagus Plumosa	per bunch, 25	
Asparagus Sprengerii	per bunch, 25	



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Roses, Carnations and all kinds of Seasonable Flowers in Stock.

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Lickrun, Cincinnati, Ohio
Wholesale Growers of
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Everything in Cut Flowers, Greens, Plants, etc.
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Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

W. C. Smith Wholesale Floral Co. is receiving some fine sweet peas and carnations from the local growers. C. Beyer had an elaborate decoration, using large quantities of wild smilax and palms. Geo. H. Angermueller has had a large stock of extra fine tulips and jonquils. H. G. Berning is receiving some extra fine stock in roses. W. F.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley, Tulips, Trumpets, Lilies, AND ALL OTHER CUT FLOWERS and GREENS

Asparagus Plumosus Nanus

Cut Strings, 8 feet long, 50c each.

Pink Killarney, Rose Plants

Own Root Stock.

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Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonal stock.



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Milwaukee.

ROSES AND CARNATIONS SCARCE.

The market conditions for the past week remain as at the last writing, roses and carnations being very scarce with a heavy demand for both. There are a few more sweet peas arriving in the market and they are sold readily. Violets are still suffering from the extreme cold weather. There are green goods enough to supply the demand.

NOTES.

Mitchell Street Florists report business very good, having had wedding and funeral orders which kept them busy. At their greenhouses the carnation crops look very promising.

F. P. Dilger is cutting some fine bulb stock which are being disposed of at the local market.

Peter Nohos and J. J. Manos spent a few days in the Windy City this week.

William Currie and Benj. Gregory took in the curling games at Chicago.

Currie Bros. Co.'s new catalogue is out this week. Send for one.

Fox Point Floral Co. are cutting some fine snapdragon.

Visitors: S. Wertheimer, Wertheimer Bros., New York; — Alexander, Lion & Co., New York; J. E. Mathewson, Sheboygan; F. C. Kesting, West Bend; C. Adams, Racine.

The bowling scores this week were:

Gutbrod ..149 203 140	Rusch ...141 113 174
P. Nohos..157 155 138	Kelner ..177 136 174
Schnitz ..124 126 136	G. Pohl..139 105 135
Hunkel ..127 131 141	Leidiger ..138 156 141
Holliday ..152 152 109	R. Leitz..106 107 103
L. Manos.176 109 ...	Eggebret't 106 135 124
	G. R.

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Wholesale Flower Markets

	BOSTON, Jan. 31.	Per 100
Roses, Beauty, best	25 00	@60 00
" " medium	15 00	@20 00
" " culls	2 00	@ 4 00
" " Bride, Bridesmaid	2 00	@ 6 00
" " Killarney and Richmond	6 00	@12 00
" " My Maryland	4 00	@20 00
" " Carnot	6 00	@12 00
Carnations, select	3 00	@ 6 00
Callas	8 00	@12 00
Cattleyas	35 00	@50 00
Gerdenias	25 00	@35 00
Lilium Longiflorum	8 00	@12 00
Lily of the Valley	2 00	@ 4 00
Narcissus, yellow	4 00	@ 6 00
" " white	1 00	@ 3 00
Sweet Peas	50	@ 1 00
Smilax	12 00	@20 00

MILWAUKEE, Feb. 7.

Roses, Beauty, per doz., 1 50	@ 6 00
" " Killarney	5 00 @12 00
" " Richmond	5 00 @12 00
" " White Killarney	5 00 @12 00
Carnations	2 00 @ 4 00
Lilium Giganticum	12 50 @15 00
Lily of the Valley	3 00 @ 4 00
Paper Whites	3 00 @ 3 00
Snapdragon	per bunch, 35 @ 75
Stevia	2 00
Violets	75 @ 1 00
Adiantum	1 50
Asparagus	per string, 50 @ 75
" " Sprengerl, per bunch,	25 @ 35
Ferns, Fancy	per 1000, 2 00
Galax, green	per 1000, 1 50
" " bronze	per 1000, 1 50
Smilax	per doz., 1 75
Wild Smilax	per caae, 5 00

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GEO. H. ANGERMUELLER, Wholesale Florist
1824 Pine Street, ST. LOUIS, MO

	ST. LOUIS, Feb. 7.	
Roses, Beauty, medium stems	20 00	@25 00
" " short stems	2 00	@ 4 00
" " Bride, Bridesmaid	3 00	@ 4 00
" " Killarney	5 00	@10 00
" " My Maryland	3 00	@10 00
" " White Killarney	5 00	@10 00
Carnations	3 00	@ 4 00
Callas	10 00	@12 50
Easter Lilies	3 00	@ 10 00
Valley	3 00	@ 4 00
Asparagus Sprengerl	2 00	@ 3 00

NEW YORK NOTICE BOSTON

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Our New Store, 46 West 26th St, New York City, is now open with a full line of Cut Flowers from the very best growers. Our specialties are: **ROSES**, Aaron Wards, Waddella, Tafts, Cardinals, Killarneys, Marylands, Richmonds and Beauties. **CARNATIONS**, All Standard Varieties; **Jonquills, Narcissus, Paper Whites, Hyacinths, Valley, Violets, Orchids, Gardenias, Easter and Calla Lilies**. We are in an excellent position to fill orders at a moment's notice. Our motto is: "A square deal to both retailer and grower." Our shipping facilities are unsurpassed, as we make a specialty of shipping flowers to all parts of United States and Canada. We strive to please. A trial order will convince you.

A full line of **Florist Supplies** and **Hardy Cut Evergreens** always on hand.
Best Quality. Lowest Prices. Prompt Service. Wire, Write or Telephone.

HENRY M. ROBINSON & CO.

Wholesale Commission Florists, Dealers in Hardy Cut Evergreens,
Importers and Manufacturers of Florist Supplies,

46 West 26th St., New York City

New York.

STOCK A LITTLE MORE PLENTIFUL.

The wholesale cut flower market has not been so brisk as was the previous week. In some lines the shipments have been much heavier. This is especially so with bulb-stock. All dealers are receiving this stock in great quantities and of very fine variety. Shipments of carnations, too, are much heavier. There is a slight improvement in the prices of carnations on all the best varieties with the exception of white. These move slowly except in the case of novelties such as Wodene-the and one or two others. The novelties in roses still clear out satisfactorily, and there are not enough of the best quality Radiance, Prince de Bulgarie, Mrs. Aaron Ward, Lady Hillingdon to supply the demand. There is also a good call for the best Mme. Chateaux, Killarneys, Richmond and My Maryland. American Beauties have increased very much in number and have taken a decided drop in price. Brides and Bridesmaid are as usual only moved with difficulty. The few Sunburst that come in are still very short-stemmed, but are eagerly sought for by the critical buyers. Bon Silenes are still in limited quantity, but meet with only a fair demand. There is a scarcity of white and yellow daisies; but an over supply of sweet peas and freesia, even of the very best quality. Lilac, both purple and white, meet with ready sale. The prices on lily of the valley, mignonette and lilies remain the same. Orchids are handled now by several houses in great quantity, the quality is excellent, but with a downward tendency of prices. Some of the oncidiums are doing better, and the same can be said of the dendrobiums. Cypripediums are on the wane and even those that are in the market are of poorer quality, and not much called for. In greens, smilax is selling very slowly, but there is a good demand for Asparagus plumosus. It is noticeable that the asparagus from the south does not meet with such good sale as that which is home grown. Gardenias, which have been so very plentiful, have now shortened up in supply and even the shorter grades are selling for much better prices and the finest blooms find a very ready market. Violets are an uncertain quantity; the demand for these varies with the weather, while the finest grade flowers sell at a good price, the bulk of the large shipments coming to the market only clean up when the weather is fair, permitting the street men to be out.

Monday, February 5.—The extreme cold weather today has affected the market very much and the demand is only fair for the very best of stock.

P. J. SMITH, Successor to
John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR
LARGEST GROWERS
The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000. Consignments Solicited.
Telephones, 1328. 1998 Madison Square
49 West 28th Street New York City

NOTES.

C. W. Scott has been at home several weeks suffering with a severe cold and rheumatism, but is much improved and will soon be out again. Those that know say that the many newspaper reports of the arrival of four thousand yellow lilies at \$2.00 apiece from England for the McLean ball in Washington, had much to do with his speedy recovery. Mr. Scott intends to get busy.

The committee having charge of the New York Florists' Club twenty-fifth anniversary and the annual dinner have been holding several meetings and are completing arrangements to have this the most interesting event in the history of the club. Charlie Weathered is chairman of this important committee and it goes without saying that anything he does he does well.

Henshaw & Fenrich have taken space in the Coogan Building from Moltz & Co., which they will occupy for an early morning market only, to accommodate their out-of-town customers who desire to get stock as early as 6 o'clock. Mr. Henshaw will have charge of the opening of this stand, but will only remain until the business is properly established.

The house of P. J. Smith is a very busy one and is truly called the "Home of the Lily," but in addition to lilies, Mr. Smith has a fine supply of roses, carnations, sweet peas, and other seasonable flowers. Mr. Smith thoroughly understands all phases of the wholesale business, having had over twenty-five years' experience in selling cut flowers at wholesale.

The Beechwood Heights Nurseries now have their salesroom conveniently fitted up at 113 West Twenty-eighth street, and "Smiling" Billy Sheehan, who is in charge, is delighted that he has a proper place to show the magnificent cattleyas and other orchids and gardenias which this house is handling exclusively at present.

The "Old Reliable" J. K. Allen has been away from his store for two or three days suffering from tonsillitis. It is so unusual for Mr. Allen to be away that his absence is immediately the cause of comment, but Miss Smedley and "Charley" Logan proved themselves quite efficient in keeping things going in a very satisfactory manner.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

*Chrysanthemum Novelties my specialty.
Mention the American Florist when writing*

The New Jersey and New York Plant Growers' Association held their annual dinner at Mouquin's, Twenty-eighth street and Sixth avenue, Thursday night, February 1, and from all accounts it was on the same magnificent scale as those that have preceded it.

Siebrecht & Siebrecht of 136 West Twenty-eighth street are finding their present quarters much too small for their business, which has forged ahead so fast in the past few months. They have at present a fine line of orchids, lily of the valley and lilies.

The new carnation Salmon Beauty, exhibited by Traendly & Schenck at Detroit last month, is attracting much attention, and evidently has a bright future. It is grown by F. Abrams of Blue Point, L. I., who has worked up a fine stock of this variety.

It is J. C. Silbert, not Gilbert, who is managing the H. M. Robinson & Co. store in Twenty-sixth street, but Mr. Silbert says it matters not how you spell his name, business is going on booming ahead just the same.

Charles H. Totty will be in Pittsburg during the week on a business trip, and incidentally talk "National Flower Show" in 1913. The preliminary schedules for this grand exhibition will be sent out immediately.

Abraham Hanig, who for years has conducted the flower store at Fulton street and Red Hook lane, Brooklyn, now has charge of the cut flower department for C. C. Trepel at Gimbel Bros.

The introducers of the new rose Sunburst should be elated with the words of praise that it is receiving from all quarters.

John I. Raynor, who was a visitor to the "Street" on Monday, left February 1 for a six weeks' stay in Palm Beach, Florida.
Y.

PHILADELPHIA

NEW YORK

WASHINGTON

S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS
109 West 28th Street, NEW YORK
Evarything in Cut Flowers.

FERTY R. RIGBY, Treasurer.

Everything in Supplies



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Consignments of First-Class Flowers solicited. Satisfaction guaranteed. A square deal to both
Grower and Retailer. Write, Wire or Telephone. Long Distance Telephone

Wholesale Flower Markets

NEW YORK, Feb. 7.	Per 100
Roses, Beauty, special	40 00@50 00
extra and fancy	15 00@40 00
No. 1 and No. 2	4 00@6 00
Bride, Bridesmaid, special	4 00@8 00
extra and fancy	4 00@6 00
No. 1 and No. 2	2 00@4 00
Killarney, My Maryland	8 00@12 00
extra and fancy	6 00@8 00
No. 1 and No. 2	2 00@4 00
Richmond	8 00@12 00
Carnations	2 00@4 00
Cattleyas	40 00@50 00
D. Formosum	25 00@40 00
Freesias	1 00@1 25
Gardenias	10 00@30 00
Lilies, Longiflorum and Harrisii	8 00@10 00
Lily of the Valley	2 00@4 00
Oncidiuma	5 00@10 00
Sweet Peas... per doz, bunches	1 00@1 25
Violets	40@75
Adiantum Croweanum	75@1 00

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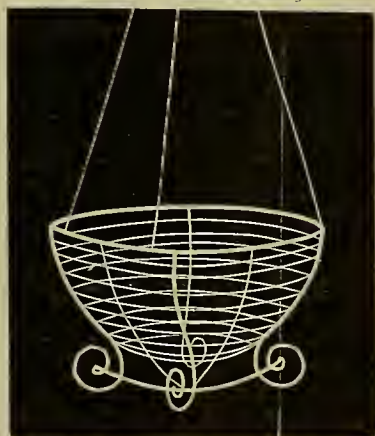
We manufacture the most complete line of High-grade Boxes at reasonable prices.

Palm Green, Mist Gray, Mist Brown.		White Glaze, Green Glaze, Pink Glaze.		Spray, Design and Miscellaneous Palm Green.		Spray, Design and Miscellaneous Mist Gray.		Violet Boxes, White and Violet Glaze.	
Per 100		Per 100		Per 100		Per 100		Per 100	
16x 4	x3	16x 4	x3	18x 6x3/2		28x 6x 4		7x4x4	
20x 4	x3	20x 4	x3	15x 6x5		24x 8x 5		8x5x5	
18x 5	x3	18x 5	x3	21x 8x4		30x 9x 4	Telescope	10x6x5 1/2	
21x 5	x3	21x 5	x3	24x 8x5		20x12x 8		12x8x5 1/2	
24x 5	x3 1/2	24x 5	x3 1/2	23x12x5	Telescope	24x14x 8		Plain Violet	
30x 5	x3 1/2	30x 5	x3 1/2	12x12x8		30x14x 8		7x4x4	1.75
36x 5 1/2	x3 1/2	36x 5 1/2	x3 1/2	30x12x6		48x 8x 5		10x6x5 1/2	2.50
21x 7	x3 1/2	18x 6	x3 1/2	16x16x8		30x12x 6		11x8x5 1/2	3.50
24x 8	x4	21x 7	x3 1/2	20x20x8		12x12x 8		Mist Gray	
28x 8	x4	21x 8	x4	24x24x8		14x14x 8		7x4x4	2.50
28x 8	x5	24x 8	x4	28x22x8		16x16x 8		8x5x5	2.75
36x 8	x5, Telescope	28x 8	x5	28x28x8		20x20x 8		10x6x5 1/2	3.00
30x10	x5	28x 8	x4	32x32x8		24x24x 8		12x8x5 1/2	3.50
40x 8	x5	36x 8	x5, Telescope	20x12x8		24x24x10		Palm Green	
42x 8	x5	36x10	x5	24x14x8				12x8x5 1/2	3.50
42x10	x5	40x 8	x5	30x14x8					
48x10	x5	42x 8	x5	32x17x8					
		42x10	x5	36x14x8					
		48x10x	x5	40x14x8					
				36x17x8					
				42x17x8					

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No printing charges on lots of 300 or over. Special discounts allowed on quantity orders. Complete samples sent on application.
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SPHAGNUM MOSS

Clean Stock, 12 bbl. bale, \$3.50
 Green Moss, in bbls., \$1.00 per bbl.

JAMES DAY, Milford, N. H.

Southampton, Long Island.

The regular meeting of the Southampton Horticultural Society was held in the Memorial Hall, February 1, President U. G. Ager presiding. The chairman of the show committee reported that the date for the summer show had been made July 24-25. W. H. Malcolm and Louis Ginnachia were elected to membership.

The members and ladies were entertained by a very interesting lecture given by W. H. Malcolm of the Shinnecock Golf Grounds. Mr. Malcolm was handicapped by not being able to show his very fine collection of slides of "Old English Gardens," as the meeting was held in the afternoon the hall could not be sufficiently darkened so that the pictures could be seen clearly. Mr. Malcolm received the hearty vote of thanks of the society for his instructive address and promised to show the pictures at the next meeting when the conditions would be more favorable.



FANCY FERNS, \$1.75 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
 Sphagnum Moss, large bales.....\$2.50
 Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
 Boxwood.....per pound 20c; 50-pound case, \$7.50
 Magnolia Leaves, Imported Green and Bronze, Basket, \$2.25; 6 baskets, \$2 each

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BRONZE GALAX, about 2 1/2 inches, \$3.25 per case of 10,000.



Green Leucothoe, 10 to 16 inch, \$1.00 per 1000. Regular lengths, \$1.75 per 100.
 Wire Us Elk Park, N. C. Cash with order.
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Everything in Southern Evergreens.
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Am ready to fill orders for these at any time. Cash with order.
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Wholesale and Retail Dealers
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 Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.

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Cut flowers and design work of the highest class delivered to your customers here or anywhere in the west, mail or wire. Usual Trade Discount.

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Orders for cut flowers and designs solicited for delivery in any part of Texas.

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Kansas City and Pleasant Hill, Mo. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.**

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Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members of Florists' Telegraph Delivery
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Will execute orders for any
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Use our **COLOR CHART** in describing them.
PRICE, \$1.00 POSTPAID.

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

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We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

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Personal Attention to all Orders.

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Flowers in any arrangement for all occasions,
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Best Quality on Shortest Notice

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Send flower orders for delivery in

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Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
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All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand

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Albany, N. Y.—Eyes, 11 N. Pearl St.
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Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
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Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago—Geo. Whitbold Co., 737 Buckingham Pl.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
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Kansas City—Wm. L. Roek Flower Co.
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Nashville, Tenn.—Joy Floral Co.
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New York—Myer, Florist, 809 Madison Ave.
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New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
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2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flower's

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224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

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FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

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Flowers or Design Work.

Delivered in Albany and Vicinity on
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Canada's best known and most reliable florist

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We deliver anywhere in Canada and guarantee
safe arrival.

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C. C. Pollworth Co.

Will take proper
ycare of your orders in Wisconsin

Michigan. Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

WM. F. DREER is in California.

W. ATLEE BURPEE is at Belleair, Fla.

J. C. VAUGHAN and wife are at Havana, Cuba.

MILWAUKEE, WIS.—Wm. Currie attended the Scottish curling games at Chicago this week.

SECRETARY KENDEL of the American Seed Trade Association is expected at Miami, Fla., this week.

THE Farmer Seed & Nursery Co., of Faribault, Minn., issues a German as well as an English edition of its annual seed catalogues.

VISITED CHICAGO: A. B. Haven, representing the Haven Seed Co., Santa Ana, Calif., returning from the east; J. W. Edmundson, representing Braslan Seed Growers Co., San Jose, Calif.

THE proposed bill for the inspection of nursery stock, a copy of which will be found on page 119 of this issue, includes plants, bulbs, seeds, etc., and was introduced in congress January 15, 1912.

CHICAGO.—Prices on the Board of Trade, February 7, for grass seed were noted as follows: Timothy, \$13.50 to \$15.25 per 100 pounds.—The W. W. Barnard Co. is now doing business at its new store, 231 West Madison street.

LOUISVILLE, KY.—Wood, Stubbs & Co. had a very prosperous season last year, and in anticipation of this year's needs have erected a large warehouse near the center of the city. A spur track has been built from the railroad to the new building.—H. G. W.

ATHENS, GA.—The Georgia Breeders' Association convened in annual session January 18 at the State College of Agriculture. Sessions were held in the morning and afternoon and papers on the breeding of better seeds, principally corn and cotton, were read and discussed.

AT the canners' convention, held at Rochester, N. Y., this week, the following seedsmen were represented: N. B. Keeney & Son, LeRoy, N. Y.; D. M. Ferry & Co., Detroit, Mich.;

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Leonard Seed Co., Chicago; Jerome B. Rice Seed Co., Cambridge, N. Y.; Livingston Seed Co., Columbus, O.; S. D. Woodruff & Sons, Orange, Conn.; D. Landreth Seed Co., Bristol, Pa.; Everett B. Clark Seed Co., Milford, Conn.

New Duplex Spencer Sweet Pea.

A new sweet pea, which is highly recommended for florists' use and is herewith illustrated, is offered to the trade this year. It is of the Spencer type, bearing flowers with twin or triple standards and has been named Duplex Spencer. This novelty is being



New Duplex Spencer Sweet Pea.

disseminated by C. C. Morse & Co., San Francisco, Calif., and W. Atlee Burpee & Co., Philadelphia, Pa., and was described in THE AMERICAN FLORIST, issue of January 6, 1912, page 1340. The latter firm states that practically all the plants give flowers with twin or triple standards and in color both the standard and wings are a rich cream pink, with a beautiful lemon keel, which greatly enhances the flower. On the sprays of four flowers, the two lower flowers and sometimes three

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence Solicited.

are double and the three-bloom sprays give one or two flowers with twin or triple standards. The flowers having only one single standard are magnificent, being all uniformly waved and crimped both in standard and wings. The vines are of strong, vigorous growth and bear the large flowers profusely on long, stiff stems.

French Bulbs.

The Syndicate for the Defense of Agricultural Interests, through its secretary, Albert Ordinaire, deplors the action of M. Lemoyne last season, charging him with crushing the narcissus growers, and predicts that the Roman hyacinth growers will be attacked now. He claims the syndicate valiantly brought up the price of narcissus from 12 to 18 francs and Roman hyacinths from 28 to 80 francs. [He does not excuse the syndicate or explain their serious error last season in putting a fictitious price on Romans which left a glutted market.—Ed.]

After calling Lemoyne an "exploiteur" and "menteur" he closes by an appeal to all members to meet January 20, under penalty of receiving his resignation. He says the Holland Dutch bloemen quakers (peddlers) use the French bulbs as a bait, sacrificing the prices and disposing of them at little profit in order to secure orders at good profits for their own bulb products.

Prices and Production of Lima Beans.

Some interesting data on the prices and production of lima beans are given in the recent lima bean bulletin of the Sacramento, Calif., Experiment Station, to which attention was called in our issue of February 5, page 84, as follows:

"Four cents a pound may be considered as an average price for the crop for years past, although frequently it rises to above five. This gives the average gross value of \$45.00 per acre for the beans. Adding to this \$1.00 per acre for the value of the straw, gives a total of \$46.00 per acre. The total cost of producing a crop is from \$20.00 to \$25.00 an acre, depending partly upon whether or not irrigation is used. The average total cost of production is probably less than \$20.00 an acre, leaving an average of at least \$26.00 net to the grower."

Established 1810.

Denaisse & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

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Giant Pera.

grown under irrigation by

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Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

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When you can buy the true **NORTHERN GROWN SEED STOCK** of highest germinating and early maturing qualities direct from the grower. Send today for our Market Gardeners' Catalog and save money.

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WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

John Bodger & Sons Co.

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Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Cynosurus Cristatus

(Crested Dogstail)

Purity and Germination Guaranteed.

WM. POWER & CO.

Seed Exporters, Waterford, Ireland
Cables: "Seedmerchants," Code A B C, 5th edition

Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown.

of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 60c; 250 seeds' \$1.25; 1000 seeds, \$4.00. 5000 seeds at \$3.75 per 1000.

Vaughan's Seed Store,
CHICAGO. NEW YORK.

ASPARAGUS PLUMOSUS NANUS

VAUGHAN'S SEED STORE
CHICAGO NEW YORK

FLOWER SEEDS

	Tr. pkt.	Oz.		Tr. pkt.	Oz.
Antirrhinum. Giant Flowering, Pink, White, Striped, Scarlet, Yellow, Garnet and Mixed.....		.40	Lobelia, Crystal Palace Compacta, Extra Select Strain.....		.10c
Ageratum, Little Blue Star.....		.15c	Petunia, Large Flowering Fringed Single Mixed.....		.35c
Imperial Dwarf Blue.....		.10c	" Large Flowering Fringed Double Mixed.....		.65c
Asparagus Sprengeri.....		.65c	Primula Obconica Gigantea. Rose, Crimson, Lilac, Hybrida Mixed.....		.35c
5,000 seeds, \$5.50.			Salvia, Bonfire.....		.25c
Asters. Smith's Peerless White.....	6.50				2.50
Smith's Peerless Pink.....	7.50				
Centaurea, Candidissima.....		.25c			
Gymnocarpa.....		.15c			

Select Strains of **Verbena Stocks, Grandiflora** and **Giant Flowering Spencer Sweet Peas**, etc. Send for new Florists' Wholesale Catalogue.

CURRIE BROS. CO., 108 Wisconsin St. Milwaukee, Wis.
312 Broadway

VAN NAMEN BROTHERS

Special Growers of Nasturtiums, Zwijndrecht, Holland,

Will accept contract orders for 1912 crop Nasturtiums. They further offer several thousand pounds 1911 crop Tall Mixed Extra and Dwarf Mixed Extra Quality Nasturtiums.

For prices apply to our representative,

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- “ “ Kermesina 1-64 oz., 1.00; 1000 seeds, .50
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- “ “ Fire Queen, new 500 seeds, .50
- “ “ Coerulea, new 600 seeds, .50
- “ “ Crispa, pkt. 35c
- “ Gigantea Rosea, new 600 seeds, .50
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MALACOIDES—An Improved Forbesi (Baby) Primrose—The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. The plants will flower in four months from sowing, and will continue in flower from four to six months. Trade Pkt., 50c.

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“Rochester White”

The Best and Purest White Ever Offered.

\$1.00 each; \$10.00 per doz. Strong blooming bulbs only. Write for descriptive circular.

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Rochester, N. Y.

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**SPECIALTIES:
ASTERS DAHLIAS GLADIOLUS**

The three greatest flowers for the florists for summer growing. Ask for our prices on those you need—we guarantee the prices right. **NATIONAL CO-OPERATIVE SHOW GARDENS, Box 1010, SPENCER, IND.**

Boddingtons Quality Cannas.

Are true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick. The Canna crop this year, however, is very short, and we advise placing orders early to secure stock. Delivery can be made at purchaser's option.

Red-flowering, Green Foliage Cannas

	Per 100	Per 1,000
Louisiana, 7 ft	\$2.25	\$17.50
A. Bouvier, 5 ft.....	1.75	15.00
Alice Roosevelt, 4 ft.....	3.75	35.00
Beaute Poitevine, 3½ ft.....	2.75	25.00
Black Prince, 3 to 4 ft.....	2.75	25.00
Charles Henderson, 4 ft.....	2.00	17.50
Crimson Bedder, 3 ft.....	2.25	20.00
Duke of Marlboro, 4½ ft.....	2.00	17.50
J. D. Eisele, 5 ft.....	2.25	20.00
Explorateur Crampbell, 5½ ft.....	2.00	17.50
President Cleveland, 3 ft.....	2.25	20.00
President McKinley, 2½ to 3 ft.....	2.25	17.50
President Meyer, 4 ft.....	3.50	30.00
Pillar of Fire, 6 or 7 ft.....	2.25	20.00
Tarrytown, 3½ ft.....	2.25	20.00

Pink-flowering Cannas

	Per 100	Per 1,000
L. Patry, 4½ ft.....	\$2.25	\$17.50
Louise, 5 ft.....	2.25	17.50
Mlle. Berat, 4½ ft.....	1.75	15.00
Venus, 3½ ft.....	4.25	40.00

White and Cream Shades

	Per 100	Per 1,000
Alsace, 3½ ft.....	\$1.75	\$15.00

Orchid-flowering Cannas

	Per 100	Per 1,000
Allemannia, 4 to 5 ft.....	\$1.75	\$15.00
Austria, 5 ft.....	1.75	15.00
Indiana, 3 to 4 ft.....	2.00	17.50
Italia, 4½ ft.....	1.75	15.00
Philadelphia, 5 ft.....	2.75	25.00

Orange Shades

	Per 100	Per 1,000
Wyoming, 7 ft.....	\$2.25	\$20.00
Pennsylvania, 5 ft.....	1.75	15.00
Mrs. Kate Gray, 6 ft.....	1.75	15.00

Red, Gold-edged; Spotted and Yellow Cannas

	Per 100	Per 1,000
Duke of York, 4 to 5 ft.....	\$5.50	\$55.00
Evolution	2.75	25.00
Gladiator, 4 ft.....	2.75	25.00
Gladio-Flora, 3½ ft.....	5.50	50.00
Golden King, 5 ft.....	2.75	25.00
Jean Tissot, 5 ft.....	2.25	20.00
Niagara, 3 ft.....	2.75	25.00
Mad. Crozy, 5½ ft.....	2.75	25.00
Queen Charlotte, 3½ ft.....	3.75	35.00
Premier, 2½ ft.....	3.75	35.00
Souv. de A. Crozy, 4 ft.....	2.75	25.00

Yellow Shades

	Per 100	Per 1,000
Buttercup, 3½ ft.....	\$2.75	\$25.00
Florence Vaughan, 5 ft.....	2.25	20.00
Richard Wallace, 4½ ft.....	2.75	25.00

Bronze-leaved, Red-flowering Cannas

	Per 100	Per 1,000
Brandywine, 4 to 5 ft.....	\$2.75	\$25.00
David Harum, 3½ ft.....	2.75	25.00
Egandale, 4 ft.....	2.00	17.50
King Humbert, 4 ft.....	4.00	40.00
Leonard Vaughan, 4½ ft.....	2.75	25.00
Musafolia, 3 to 5 ft.....	2.25	20.00
Robusta, 6 to 8 ft.....	2.00	17.50
Shenandoah, 6 ft.....	2.00	17.50

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business.

Our Cannas are true to name—two and three, sometimes four eyes—are sound, dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at a thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Write for special prices for quantities.

If any Cannas are not found here, it may be understood that they are superseded by the foregoing. If selection is left to us, we will substitute or send only the best for all purposes.

All the Above Cannas Sold F. O. B. New York or Chicago.

Chicago and Western Agents for Our Cannas, ONLY:

WINTERSON'S SEED STORE, 166 North Wabash Ave., Chicago.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 24th Street, NEW YORK CITY.

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Royal Netherland Bulb Nurseries
and Export Trade.

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Wholesale growers of the leading sorts of
Hyacinths, Tulips, Narcissus, Crocus,
Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, Mr. G. HYLREMA, care of
Messrs. Maltus & Ware, 14 Stone St., New
York, for Catalogue and Special prices of all

HOLLAND BULBS AND PLANTS.

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Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

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Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster,
Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

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Seed Growers and Importers.

Specialties: Beet, Carrot, Sweet Corn, Peas,
Beans, Onion Sets and Seed Potatoes. Cata-
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German Flower Seeds

Catalogue free on application.

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BULBS! BULBS! BULBS!

Send for 1912 Catalog, and get your Bulbs
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M. J. GULDEMOND,

Wholesale Bulb Grower
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178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles,
1000 seeds, finest mixed... 25c
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Price list on application. Cash with order.

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Cauliflower, Cabbage and Root Seed.

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**Copenhagen
Market**

Earliest large,
round headed
Cabbage.
Very Solid.



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Now
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Crop.

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Vickery's Forcing Cucumber. The finest strain of hot-house cucumber
ever introduced. Mass. growers prefer
this to all others. Nothing but typical specimens are selected for seed. Every seed grown on
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greenhouses. Price per 1/4 Lb., \$1.30; per Lb., \$5.10 postpaid.

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Gregory's Improved Prolific Marrow Squash. Gregory's Warren
Turban Squash. Gregory's Victor Squash. Gregory's Warded Hub-
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quality, nothing equal to it for canning purposes. Quincy Market
Corn, a second early, recommended as being the best to follow the
extra earliest.

Our catalogue will be mailed free. It tells all about the above varieties.
Special Prices Given for large quantities.

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Carnations Rooted Cuttings

Rosette The bright, large-flowered, dark pink Carnation, winner of
the S. A. F. Silver Medal, and first in the 100 Dark Pink
Class, at the A. C. S. Show at Detroit. Scored 86 points last March at
Boston, after traveling over 1000 miles. A sure shipper and keeper. A
commercial variety for every florist. Our large stock enables us to still
promise some February delivery if ordered now.
Price: \$12.00 per 100; \$100.00 per 1000; 2,500 for \$237.50.

White Wonder—Early March delivery.

Bonfire—Feb. delivery.

Gloriosa—Late March delivery.

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The above four varieties at \$6.00 per 100; \$50.00 per 1000.

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Mrs. C. W. Ward—March delivery.

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Rose Pink Enchantress—Feb. delivery.

The above six varieties at \$3.00 per 100; \$25.00 per 1000.

Pink Delight—All sold.

Quality Cuttings are sure to please. We grow them.

F. DORNER & SONS CO., La Fayette, Ind.

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Espreas prepaid on rooted cuttings. The finest ever. Satisfaction guaranteed to all parts of the United States.

Verbenas, the very best named varieties. 70c a 100; \$6 00 a 1000.

Fuchias, best named varieties. \$1.00 per 100; \$9.00 per 1000. Feverfew. Little Gem, large fine double flowers, the best of all. \$1.00 per 100; \$9.00 per 1000.

1000. Coleus, all the finest select named varieties. 70c per 100; \$6.00 per 1000. Alternantheras red and yellow, very strong. 60c per 100; \$5.00 per 1000. Sweet Alyssum, 80c per 100; \$6.00 per 1000. Our very best Double Giant Daisy, White California. \$1.00 per 100; \$8.00 per 1000. 32,000 Vincas, rooted cuttings. \$1.00 per 100; \$8.00 per 1000. Salvias, Bonfire and St. Louis, the leading varieties. 80c per 100; \$7.00 per 1000. Swainsonas, \$1.25 per 100.

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Gladiolus...

THE BEST FLORISTS' SORTS.

Augusta, Brenchleyensis, Canary Bird, Eugene Scribe, Jessie, Klondyke, Mrs. King, M. Monneret, Negin-scott, Princeps, etc.

Extra Fine Mixtures.

Cannas, Dahlias, Peonies.

Large supply.

Write for prices.

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GLADIOLI

Groff's Hybrids

and all the best named sorts. My Gladioli took first premiums at Iowa State Fair in 1911. Write for prices.

Independence, Scarsdale, New Blue Hybrids.

GEO S. WOODRUFF
Box F, Independence, Iowa.

CHRYSANTHEMUMS....

2-in. pots.

Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, at \$7.00 per 100.

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Henry Fish Seed Co.

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For the Wholesale Seed Trade.

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Gladiolus

We control the originator's stock of

THE NEW TYPE

KUNDERDI "GLORY"

WITH "RUFFLED" PETALS

The broadly expanded, wide open flowers, paired by twos, all face in the same direction, and are carried on straight stout stalks, fully 3 1/2 feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted.

The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petal, the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the country over.

Special prices, with free cuts, for catalogue use.
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We carry large stocks of

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The Spring Edition is ready. Ask for it. Don't buy without its figures. They talk!

Gloxinias. Per 1000
Separate colors \$30.00
Mixed 28.00

Begonias (1st size)
Single, separate colors... \$22.00
mixed 20.00
Double, separate colors.. 40.00
mixed 37.00

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GLADIOLUS GLORY.

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Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.

	Per 100	Per 1000
Pink and White Killarney, 2 1/2-in.....	\$12 00	\$100 00
Richmond, 2 1/2-in.....	12 00	100 00
Sunburst, 2 1/2 in.....	35 00	
Maryland, 2 1/2-in.....	12 00	100 00
Mrs. Aaron Ward, 2 1/2-in.	14 00	120 00
Melody, 2 1/2-in.....	14 00	120 00
Mrs. Taft or Prince de Bulgarie, 2 1/2-in.....	14 00	120 00
Radiance	14 00	120 00

OWN ROOT.

	Per 100	1000
Pink and White Killarney, 2 1/2-in.....	\$6 00	\$55 00
Maryland, 2 1/2-in.....	6 00	55 00
Richmond, 2 1/2-in.....	5 00	40 00
Ainoine Rivolve, Mrs. Taft, or Prince de Bulgarie, 2 1/2-in.....	8 00	70 00
Radiance, 2 1/2-in.....	8 00	
Melody, 2 1/2-in.....	8 00	70 00
Mrs. Aaron Ward, 2 1/2-in.	8 00	70 00
Lady Hillingdon, 2 1/2-in.....	10 00	
Dbl Pink Killarney, 2 1/2-in.	8 00	70 00

Orders are now booked for April, May, June and July delivery. All goods are sold for cash or 30 days on approved credit.

Mention the American Florist when writing

BEGONIAS—Tuberous Rooted

	Per 100	Per 1000
Single, White, Pink, Scarlet, Orange, Yellow and Crimson...	\$2.50	\$22.00
Single Mixed colors.....	2.25	20.00
Double, White, Pink, Scarlet, Orange, Yellow, and Crimson.	4.00	35.00
Double Mixed Colors.....	3.50	30.00

GLOXINIAS

Blue, White, Crimson, Violet, White Border, red white border..	3.50	30.00
Mixed all colors.....	3.00	26.00

A. HENDERSON & CO., 30 East Randolph Street, CHICAGO.

The Early Advertisement Gets There

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

TOPEKA, KANS.—A portion of one of the greenhouses of Jacob Bleier was destroyed by fire January 6, which for a while threatened the whole plant. The damage was not large, being estimated at \$100.

BOSTON, MASS.—The Boston Market Gardeners' Association held a meeting and field day at the houses of George H. Arnold & Sons, Braintree, January 27. Much interest was shown in the cultivation of cauliflower in the winter. Addresses were made by F. F. Walker, chairman of the State Cattle board, and Prof. F. W. Taylor, of New Hampshire State college, on "Soil Fertility."

Prices of Indoor Fruits and Vegetables.

Chicago, February 5.—Asparagus, \$2.50 to \$3 per dozen bunches; cucumbers, \$1 to \$1.75 per dozen; radishes, 35 cents to 40 cents per dozen bunches; rhubarb, 25 cents to 35 cents per bunch; mushrooms, 25 cents to 40 cents per pound.

New York, February 3.—Mushrooms, 60 cents to \$1.60 per 4-pound basket; cucumbers, 75 cents to \$4 per dozen; tomatoes, 10 cents to 40 cents per pound; radishes, \$2 to \$4 per 100 bunches; lettuce, \$1 to \$2 per strap; rhubarb, 30 cents to 50 cents per large bunch and 75 cents to \$1 per dozen small bunches; mint, 50 cents to 60 cents per dozen bunches.

Starting Vegetable Plants.

ED. AMERICAN FLORIST:

We have used hotbeds for the purpose of starting vegetable plants for sale but owing to the losses incurred by zero weather we desire to start them in the greenhouse. When is the proper time to start vegetables in the greenhouse to have them in condition for sale to home gardeners in southeastern Wisconsin? U. W. I.

As a rule market gardeners figure six weeks as the proper amount of time to produce strong transplanted plants. This of course will vary a little as to season, soil and management; thus under very favorable circumstances five weeks may be ample and on the other hand seven weeks may be required. These calculations are for hotbed work and if anything a greenhouse should make better time than a hotbed; then one must consider that in a hotbed plants can be held back considerable in the hardening off process which is not the case in a house. Thus plants may stand practically still in frames while under greenhouse culture they would make most rapid growth.

We believe that for southern Wisconsin April 20 would be as early as advisable to plant out cabbage, cauliflower, lettuce and beets, while May 20 would answer for tomatoes, and June 1 for egg plants, peppers, cucum-

bers and melons out of soils or pots. For cucumber and melons we allow just 30 days as these develop remarkably in a warm place.

While there is no question that a greenhouse will produce the plants surer and easier, there is also no doubt that the plants will be inferior, as they cannot be hardened off the same as in frames. An excellent method is to dibble the plants into flats or berry boxes, then these can be moved out into cold frames and hardened off before sale. The common quart berry box will hold a dozen plants which can be sold at a reasonable price and at a handsome profit and such plants are very satisfactory to the buyer as



Prize Tomatoes in Western Canada.
Saskatchewan Greenhouses, Prince Albert, Sask.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

he gets all the roots. We sell thousands of plants that way.

We have handled hotbeds and cold frames as far back as we can remember and our record is no failure; that is, we never froze out, not with 25° below zero. Such low temperatures mean extra work but often it is only one or two nights and the effort is well worth while. We always reserve a good pile of hot manure for such accidental covering, but last year we were hit hard late in the season after we had hauled our manure pile into the fields. The cold wave hit us at night and there was nothing left but to tackle the hay mow. We tore out several tons of timothy hay to mulch the whole hotbed yard—beds, walks and all. We saved everything and the hay was not hurt nor much of it lost. The point is here that after the season has advanced we can under no circumstances suffer a freeze-out.

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

Pure Culture Mushroom Spawn

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

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HOW TO GROW THEM
BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages.

29 Illustrations.

—Price \$1.00.—

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We make a specialty of growing all kinds of Vegetable Plants for the Seed and Plant Trade, including the best varieties of Forcing Tomatoes, Asparagus, Cauliflower, Egg Plants, Peppers, Parsley, Lettuce, Cabbage, etc. Special prices made on large orders for Spring delivery. Let us know your wants.

We have a fine lot of Tomato Plants, transplanted and potted: Comet, Lorillard, Bonny Best, Suttons' Al, Suttons' Abundance and Winter Beauty; also Extra Early Erfurt and Snowball Cauliflower.

Cash required with orders from unknown correspondents.

Fox-Hall Farm, R. F. D. Norfolk, Va.
No. 2

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HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Panicles, Petunias, Phloxes, Primulas, Scabions, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

NEW WHITE FORCING HYDRANGEA

Mme. Emile Mouillere

Of the many new Hydrangeas recently received this is undoubtedly one of the most promising as a commercial sort, we believe it to be one of the coming market plants. The individual flowers as well as the heads are very large, pure white in color and very freely produced. We offer good 3-inch pots, \$3.00 per doz.; \$25.00 per 100.

Hardy Azalea Mollis

Becoming more popular as a forcing plant every season, a nice lot of well budded plants 10 to 12 inches high, \$4.50 per doz.; \$35.00 per 100

Lilacs Marie Legraye

A fine lot of well budded pot-grown stock, \$6.00 per doz.; \$50.00 per 100.



HYDRANGEA MME. EMILE MOUILLERE.

HENRY A. DREER, ⁷¹⁴ Chestnut St., Philadelphia, Pa.

Above Prices Are For The Trade Only.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

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Mention the American Florist when writing

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BLOOMING PLANTS

For the storeman. A fine lot of Azaleas, Hydrangeas, Roses, white and Red Rambler Roses, Crimson Ramblers, Pink Dorothy, Climbing Baby Ramblers, etc.

For Easter write us your wants.

Don't forget we are headquarters for Ferns.

GEO. A. KUHL, Wholesale Grower, Pekin, Ill.

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ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

Mention the American Florist when writing

LADY HILLINGDON

Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place your order now for early delivery.

YOUNG STOCK. PRICES:

Grafted.....\$25.00 per 100; \$200.00 per 1000
Own Root..... 20.00 per 100; 150.00 per 1000

WABAN ROSE CONSERVATORIES Natick, Mass.

Carnation

Growers

RAINBOW

GLORIFIED PROSPERITY

WANOKA GREENHOUSES,

Wins first prize in the overlaid or Prosperity class at the National convention at Detroit.

Send your order now for February delivery. Our January cuttings are all sold. Remember — Our cuttings are guaranteed. We can deliver half a million.

\$12.00 per 100; \$100 per 1000

Liberal discount on large orders. 250 at 1000 rate. Cash or good reference.

Barneveld, N. Y.

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

FARIBAULT, MINN.—The Farmer Seed & Nursery Co. has built a modern nursery and packing cellar, which is equipped in the best possible manner,

The proposed bill for the inspection of nursery stock, a copy of which will be found on page 119 of this issue, includes plants, bulbs, seeds, etc., and was introduced in congress January 15, 1912.

MIAMA, FLA.—E. C. Harrison, wife and son, of Painesville, O., arrived at the Halcyon hotel January 20 to make a prolonged stay. As Mr. Harrison brought his motor boat with him, the party will enjoy the waters about Miami very much.

Federal Inspection Bill.

Abstract of paper read before the Tennessee State Nurserymen's Association at Nashville, Tenn., January 26, 1912.

After an introduction which stated his position and gave the history of the attempts at legislation on the inspection of nursery stock which was included in his address before the Western Association of Nurserymen at Kansas City December 13-14, 1911, an account of which appeared in the AMERICAN FLORIST, issue of December 23, page 1244, Mr. Stark related the results which the committee appointed at that meeting had at the conferences with the government officials, at which an inspection bill was drafted which will meet with the approval of the nurserymen of the country.

The committee consisting of Prof. S. J. Hunter of Kansas and myself were appointed to meet with the committee of the American Association of Nurserymen and the National Horticultural Inspectors' Association to formulate and secure the passage through congress a bill giving us efficient protection along sane lines against foreign insect pests and fungous diseases, and also to assist us in getting rid of those within our borders. The delegates were further instructed that the administration of this bill should be in the hands of a commission of five men to be appointed by the president, two entomologists, two pathologists and the selector.

We met the scientific men at Washington, and where for years it has been impossible for the department, scientific men, nurserymen and fruit growers to harmonize on legislation, at this meeting an agreement was reached and all interests are entirely satisfied. National legislation along practical and reasonable lines is assured, and without doubt more uniform legislation will follow. The national bill has been opposed by some on the grounds that it interferes with state rights. That, however, is a question for politicians. What we are after and what we need is efficient protection. There are phases that can be done best by the national government and there are other things that can be best done by the state. The contem-

plated bill will be a great step in advancement.

The proposed bill deals largely with the prevention of the entrance of insect pests and fungous diseases, and their control once they get within our borders. It is good as far as it goes but there is yet work to be done in standardizing or making more uniform the requirements of the various states. In the nursery business these requirements in many instances are as different as if each state were a separate nation. Each state has a right to make its own laws; however, if there were an efficient, practical, workable national law covering the inspection and interstate shipment of nursery stock, the various state laws would eventually conform to it, and that would give a uniformity of requirements and efficiency which is badly needed. For the future we must give some thought and time to this work. There may be a better way, but whatever it is, we should try to improve present conditions. We must not let the work rest here but work for that improvement and advancement which is necessary for the profit to the nurseryman, the orchardists and for increasing the quality and quantity and lowering the cost of fruit products to the public.

LARGE TREES

OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Herper, Prop.
 Chestnut Hill, PHILA., PA.



Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
 MORRISVILLE, PA.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect.

	Per 100	1000
12 to 15 in., light branched.....	\$1 00	\$ 7 00
15 to 20 in., 3 or more branches.....	1 50	10 00
20 to 30 in., 4 or more branches.....	2 00	15 00
2½ to 3 ft., strong, 6 or more branches	3 00	25 00
3 to 4 ft., extra heavy, 8 or more branches.....	4 00	30 00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.

Hydrangea Otaksa

For Easter and Decoration Day

Six-inch, pot-grown, well established and set with flower buds.

Otaksa, with 5 and 6 branches, at \$20.00 per 100; 4 branches at \$15.00 per 100.
 Souvenir de Claire, fine pink, same color as Gloire de Lorraine Begonia, same price; also 7-10 branches latter variety, \$25.00 per 100.

Jackson & Perkins Company,

Wholesale Florists and Nurserymen,

Newark, Wayne Co., New York.

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

GABLE ADDRESS

ROYAL OUDENBOSCH.

The Holland



Royal Nurseries

P. J. LOOYMANS & ZONEN, Proprietors,
 OUDENBOSCH, HOLLAND.

Our Specialties: The Very Best in the Hardy Nursery Stock Line.

ORNAMENTAL and FOREST TREES, for planting Avenues, Parks, Villa Grounds, etc. PENDULOUS or WEEPING TREES, ORNAMENTAL DECIDUOUS PYRAMIDS and SHRUBS, ROSES (from sandy soil.)

Hardy Ornamental Evergreens (conifers) a Leading Specialty



PRIMULA FORRESTII. (Copyright.)

Electros supplied to buyers of seeds or plants at cost price (made in U. S.)

Glorious New Plants from the Chinese Alps.

There has been nothing in recent years to surpass our wonderful introductions from China, through our collector, Mr. Forrest. As the introducers of several new species of Primulas, which have taken a remarkably high place in the estimation of experts, we occupy an enviable position.

Growing, as they do, close to the snow line in the mountainous region of Yunnan, China, these Primulas are exceedingly hardy, as well as beautiful: they are altogether unlike our European or American Primroses. The illustration shown gives but a very inadequate representation of the marvellous attraction of these novelties. Most of them have been awarded First-Class Certificates from the Royal Horticultural Society, London.

At the time of writing, another collector, Mr. F. Kingdom Ward, is working the Mekong-Salween divide. The Mekong and Salween rivers run southward from Central China through Burma and Siam, cutting through vast mountain ranges of immense altitude. It is on the slopes of these snow-capped giants that untold riches of the Chinese Flora flourish unseen and almost unsuspected. We are convinced, from the reports of our collectors, that the plants so far brought to light are but a "drop in the well." So trying is the climate, and so risky the intercourse with natives, that only a mere patch of ground has been covered after several years' strenuous work and the expenditure of considerable sums of money.

Besides these Chinese Novelties, you will be interested in our

ROSES and HARDY PLANTS.

We have a most complete and up-to-date collection, and we are

NOTED FOR QUALITY AND LOW PRICES

	Price of New Primulas, Etc.	Seed Per Pkt.	Plants Per doz.
Primula Bulleyana, scarlet and orange	\$1.00	\$3.00
" Bessians, velvet purple	1.00	3.00
" Forrestii, rich gold	1.00	3.00
" Littoniana, brilliant red and purple	1.00	5.00
" Malacoides, pale rose50	
Incarvillea brevipes, crimson rose	1.00	

Remittance with order.

References: AMERICAN FLORIST, Carl Purdy, D. M. Andrews, American Bankers, S. M. Bulley, Savannah.

CATALOGUES GRATIS.

Write Us This Very Minute, LEST YOU FORGET.

BEES, Ltd., 179 Mill Street, Liverpool, England

Ferns.

4-inch heavy stock, \$12.00 per 100. Boston, Barrowsi and Elegantissima; also 2 1/4-inch Boston, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio
Mention the American Florist when writing

Ferns for Dishes

2 1/4-in. Per 100 Per 1000
..... \$3.50 \$30.00
Asparagus Plumosus, 2 1/4-inch \$3.50 per 100;
\$30.00 per 1000, 3-in. \$6.00 per 100,
500 at 1000 rate. Cash with order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO
Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.
Prices low. Send for list.

Wood Brothers, FISHKILL, New York.
Mention the American Florist when writing

Robert Craig Co...
HIGH CLASS PALMS
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa

CANNAS

Vaughan's Home Grown Extra Select Stock.

DRY ROOTS for immediate shipment. Every field clump checked in the field when blooming by capable men who know the true type.

	Doz.	100		Doz.	100
Beaute Poitevine.....	\$0.60	\$ 4.00	Long Branch.....	\$0.85	\$ 6.00
Chas. Henderson.....	.60	4.00	Madame Crozy.....	.60	4.00
David Harum.....	.60	4.00	Milwaukee.....	.80	4.00
Dwarf Florence			Multiflora.....	.75	5.00
Vaughan.....	.60	4.00	Prince Wied, blood-red..	2.50	20.00
Egandale.....	.60	4.00	Queen Charlotte.....	.60	4.00
Florence Vaughan.....	.50	3.00	The Express.....	1.00	8.00
King Humbert.....	.75	5.00	Tisza, new, white.....	.60	4.00
Leonard Vaughan.....	.60	4.00	Wm. Sannders.....	1.00	8.00

N. B.—Write for prices on any other varieties you need.

Dahlias

Remember we also grow large quantities of all the popular cut flower sorts, and shall be glad to submit list.

BOOK FOR FLORISTS READY.

Chicago VAUGHAN'S SEED STORE, New York

Greenhouses, Nursery and Trial Grounds at Western Springs Ill.

LUPINES (Annual), White, Pink, Blue and Yellow. These are the best strain of cut flower sorts. Plant now for quick results. Good plants, \$1.00 per 100; \$9.00 per 1000.

Smilax, strong, 2-in. \$1.50 per 100
Double Fringed Fetunias, Rooted Cuttings, mixed..... \$1.00 per 100; \$9.00 per 1000
Farsley, Double Curled..... 1.25 per 1000
Pansies (Rawlings' Strain)..... 2.50 per 1000

Elmer Rawlings, Wholesale Florist, Olean, N. Y.
Mention the American Florist when writing

Cannas In 10 best varieties from \$15.00 per 1000 up. Also 10,000 King Humberts. Write for prices and varieties. Will exchange for R. C. Carnations standard varieties.

W. W. Coles, Kokomo, Ind.

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000		Per 100	Per 1000
Gloriosa.....	\$6 00	\$50 00	Enchantress.....	3 00	25 00
Dorothy Gordon.....	4 00	35 00	Beacon	3 00	25 00
White Perfection	3 50	30 00	Rose Pink Enchantress	2 50	20 00
White Enchantress	\$3 00	25 00	Winsor.....	2 50	20 00

J. D. THOMPSON CARNATION CO.,
Carnation Specialists, JOLIET, ILL.

ROOTED Carnation Cuttings

	Per 100	1000
Washington.....	\$6.00	\$50.00
Mrs. C. W. Ward.....	3.00	25.00
Beacon.....	3 00	25.00
White Enchantress	3.00	25.00
May Day.....	2.50	20.00
Sangamo.....	2,50	20.00

250 at 1000 rate. Satisfaction guaranteed.
DES PLAINES FLORAL CO., Des Plaines, Ill.

A FEW GOOD THINGS YOU WANT.

- Geraniums, Nutt. Buchner. Ricard. Perkins. Poitevine, 2-in., \$2.00 per 100.
- Boston Ferns, 5-in., 25c each.
- Whitman Ferns, 4-in., 25c.
- Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
- Vincá Var., 2-in., 2c.
- Asparagus Sprengeri, 2-in., \$2.50 per 100.
- Asparagus Plumosus, 2-in., \$3.00 per 100.

Cash with order.

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

Geraniums

March delivery.

- Ricard and Poitevine.....per 1000, \$14.00
- S. A. Nutt.....per 1000, 11.50

COLEUS

- Verschaffeltii and G. Bedder....per 1000, \$ 6.00
- Standard assorted.....per 1000, 5.00

Asparagus Plumosus

- Fine stock, an extra value.....per 1000, \$25.00

CHRYSANTHEMUMS

- Enguehard (pink), Bonnaffon (yellow), Nonin (white), \$2.00 per 100; \$17.50 per 1000.

ALBERT M. HERR, Lancaster, Pa.

ROSES and ROSES

Spring Price List Ready.



Roses for Forcing

The J. & P. Preferred Stock

We consider the deliveries we are now making to be the best plants we have ever grown. We have a few left for late buyers: **Crimson Rambler, White Dorothy, Hiawatha, Veilchenblau, Blue Rambler; Philadelphia Rambler**, at \$15.00 per 100. **Tausendschon**, \$10.00. **Dorothy Perkins**, \$12.00.

Baby Roses. **Crimson, Baby Rambler**, \$15.00 per 100; **Pink, Mrs. Cutbush**, \$15.00 per 100; **White, Katherine Zeimeth**, \$15.00 per 100; **Scarlet, Jessie**, \$3 per doz.

The Best Baby Rose for Pot Culture.

The Following Bush Roses at \$15.00 per Hundred:

American Beauty, La France, Killarney, Hermosa, Leonie Jamesch, Hugh Dickson, Kaiserin, Grus an Teplitz, Duchess of Albany, Etoile de France, Clothilde Soupert, Maman Cochet, Mme. Caroline Testout, Anny Muller, White Cochet, Magna Charta.

All fine forcing grade, the very best plants selected out of immense blocks. **Half-Standards** **Baby Ramblers**, imported at \$3.00 per doz.

JACKSON & Perkins Co., Rose Growers for the Trade. Wholesale Only.
NEWARK, NEW YORK.

Mention the American Florist when writing

Commercial Chrysanthemums

The Best Novelties for 1912 are:

White Gloria, Pink Gem, White Perfection, Aesthetic, Nontero, Harvard, and the two Pompons, **Helen Newberry and Fairy Queen.**

The Cream of 1911 introductions are:

Smith's Advance, Unaka, Chrysolora, Roman Gold and December Gem.

A large stock of the **Standard Kinds** in the best types for the Commercial Grower. Complete list of **Exhibition Sorts.**

Catalogue now ready. Free on application.

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

Mention the American Florist when writing

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

Tell Them Where You Saw the Advertisement.



Pteris Magna, nca.

THE GEO. WITTBOLD CO. EDGEBROOK, CHICAGO.



Pteris Cretica, Albo Lineata

Stock Ready for Shipment Now.

Ferns.

		BOSTONS.	
Size	Each	Doz.	1000
2-in.		\$1.00	\$25.00
3-in.		1.50	8.00
4-in.		3.00	20.00
5-in.		6.00	45.00
6-in.		\$0.75	9.00
7-in.		1.00	12.00
8-in.		1.50	18.00
9-in.		2.50	
10-in.		3.50 to \$5.00	
12-in.			
Boston Fern Baskets, each.		\$1.00, 1.50, 2.00	
ASST. FERNS, FOR DISHES, 2-in.,		\$0.40	
doz.;		\$3.00 per 100;	\$25.00 per 1,000.
		Each	Doz.
Cibotium, 7-inch		\$2.50	\$30.00
8-inch		3.00	36.00

Bedding Plants

Althernanthera, red and yellow cuttings	Per 1,000	\$8.00
Achyranthes—rooted cuttings.		
P. de Bolley		6.00
Metallica		6.00
Lindenli		6.00
Warszewiczii		6.00
ACHYRANTHES—2-Inch.	Per 100	
P. de Bailey		\$2.50
Metallica		2.00
Lindenli		2.00
Warszewiczii		2.00
AGERATUM, Stella Gurney—2-Inch.	2.00	
Princess Pauline—2-Inch	2.00	
COLEUS ROOTED CUTTINGS.	Per 1000	\$8.00
Pfister, red and yellow		
Beckwith's Gem		6.00
Golden Bedder		6.00
Verschaffeltii		6.00
COLEUS—2-Inch.	Per 100	
Pfister, red and yellow		\$2.00
Beckwith's Gem		2.00
Golden Bedder		2.00
Verschaffeltii		2.00
Gnaphalium Lanatum—2-Inch	2.00	
Heliotrope, 2-inch	2.00	
Heliotrope, 3-inch	4.00	

Bedding Plants.

Ivy, German, 2-inch.....	100	1000
Lantana Delicatissima, 2-inch...	2.00	
Lobelia Catherine Mallard, root-		
ed cuttings	3.00	8.00
Lobelia Catherine Mallard, 2-inch	3.00	25.00
Marguerites, yellow cuttings....		6.00
Marguerites, yellow, 2-inch.....	2.00	
SALVIA—Rooted Cuttings.	Per 1000	
Bonfire		\$6.00
Zurich		6.00
SALVIA—2-Inch.	Per 100	
Bonfire		\$2.00
Zurich		2.00
VINCAS—	Doz.	100
2-inch		\$ 2.50
3-inch		5.00
4-inch		\$2.00 15.00
PANSIES, transplanted seedlings, \$5.00 per 1000		

Stove and Greenhouse Plants

Aspidistra, Green	\$0.08 per leaf
Variegated	.15 per leaf
Araucarias—	
4-in., 2-3 tiers.	\$0.50 each; \$ 6.00 per doz.
6-in., 4-5 tiers.	1.00 each; 12.00 per doz.
7-in., 4-5 tiers.	1.50 each; 18.00 per doz.
Asparagus Baskets, \$1.00, \$1.50 and \$2.00 each.	
Asparagus Plumosus—	
2-in.	\$0.40 per doz.; \$ 3.00 per 100
3-in.	.75 per doz.; 6.00 per 100
4-in.	1.50 per doz.; 12.00 per 100
6-in.	4.00 per doz.; 30.00 per 100
Asparagus, S. D.—	
4-in.	\$1.50 per doz.
Boxwood Bushes—	
8-in. high	\$0.25 each
12-in. high	.35 each
18-in. high	.60 each
24-in. high	1.00 each
Boxwood—	
Globe, 18-in. in diameter	\$2.50 each
Cyperus—3-in.	\$.075 per doz.; \$ 5.00 per 100
4-in.	1.50 per doz.; 10.00 per 100
Dracena Indivisa—	
2-in.	\$3.00 per 100; \$25.00 per 1,000
7-in.	\$1.25 each; \$15.00 per doz.
Dracena Massangana—6-in.	\$1.25 each
7-in.	1.50 each

Bulbs.

	Per 100	Per 1000
Cannas, Chicago.	\$250	\$20.00
Egandale	2.50	20.00
Chas. Henderson	2.50	20.00
Dahlias, Thatcher, double yellow.	\$12.00	
Sylvia, light pink	12.00	
A. D. Livoni, shell pink	12.00	
J. Cowan, single	12.00	
J. Downie	12.00	
Ami Barilet, single	12.00	
Fashion, single	12.00	
Gladiolus—	Per 1000	
Mrs. Francis King, 2nd size	12.00	
Mrs. Francis King, 3rd size	8.00	
Mrs. Francis King, 4th size	6.00	
Ismene Calathina, 1st size, 6c each; 2nd size, 4c each; 3rd size 2c each.		

Stock for Easter Forcing.

Rhododendrons.....	.75c, \$1.00 and \$1.25 each
Azaleas—	
Empress of India	.75c, \$1.00 and \$1.50 each
Mme. Van der Cruyssen	
.....	.75c, \$1.00 and \$1.50 each
Lilac, Marie Legraye	\$1.00 each
Nalmia latifolia	\$1.00 each
Spirea, Gladstone	\$3.00 per dozen
Queen Alexandra	\$4.00 per dozen
Japan Maples	\$1.00 each

STOVE AND GREENHOUSE PLANTS.

Dracena Terminalis—	
4-in.	\$0.35 each; \$4.00 per doz.
Ficus Elastica (Rubbers)—	
6-in.	\$0.50 each; \$6.00 per doz.
Ivy, English—	
3-in.	\$0.75 per doz.
4-in.	1.50 per doz.
Pandanus Utilis, 3-in., per doz.	\$1.50
PANDANUS VEITCHII.	
4-in.	Each .050 Doz. \$5.50
5-in.	75 9.00
6-in.	1.00 12.00
Tradescantia Variegata (Wandering Jew)—	
2-in.	\$0.40 per doz.; \$3.00 per 100

PALMS

KENTIA BELMOREANA.

Pot	High	Leaves	Doz.	100
2½-in.	8-in.	4	\$1.50	\$12.00
3-in.	8-10-in.	4-5	2.00	15.00
4-in.	12-in.	4	3.60	30.00
4-in.	12-15-in.	4-5	4.50	35.00
5-in.	15-18-in.	5-6	6.00	50.00
			Each	Doz.
5-in.	18-20-in.	5-6	\$0.75	\$ 9.00
6-in.	20-22-in.	6-7	1.00	12.00
6-in.	22-24-in.	6-7	1.50	18.00
7-in.	36-40-in.	6-7	4.50	
8-in.	40-45-in.	7-8	5.50	
9-in.	48-50-in.	7-8	8.00	
9-in.	50-54-in.	7-8	10.00	

ARECA LUTESCENS.

3-in., 3 plants in a pot, \$2.00 per doz.; \$15.00 per 100.
 4-in., 3 plants in a pot, \$3.00 per doz.; \$25.00 per 100.
 7-in., 4-5 plants in a pot, 36-in. high, \$3.00 each.
 8-in., 6-6 plants in a pot, 60-64-in. high, \$6.00 each.
 Cocos Weddelliana, 2 in., \$1.75 per doz.; \$14.00 per 100; 3-in., \$2.50 per doz.; \$20.00 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs... \$3 per 100; \$25 per 1,000
 4-in. \$3 per doz.; \$20 per 100
 5-in. \$5 per doz.; \$40 per 100
 6-in. \$6 per doz.;

PHOENIX CANARIENSIS.

	High	Each
7-in.	36-40-in.	\$2.50
8-in.	46-50-in.	4.00
10-in.	50-54-in.	8.00
10-in.	60-64-in.	10.00

KENTIA FOSTERIANA.

Pot	High	Leaves	Doz.	100
2-in.	8-10-in.	4	\$1.50	\$12.00
3-in.	12-14-in.	4-5	2.00	15.00
4-in.	14-16-in.	4-5	4.50	35.00
			Each	Doz.
5-in.	20-24-in.	4-6	\$0.75	\$ 9.00
6-in.	24-30-in.	5-6	1.00	12.00
6-in.	30-36-in.	5-6	1.50	
7-in.	36-38-in.	5-6	2.50	
7-in.	38-40-in.	5-6	3.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP.

Pot	High	In a Pot	Each
7-in.	24-30-in.	3-4	\$ 2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

PHOENIX RECLINATA.

4-in.....25c each; \$3 doz.; \$20 per 100
 5-in.....50c each; \$5 doz. ;
 6-in.....75c each; \$9 doz. ;

PHOENIX ROEBELENI.

2½-in.....\$2.00 per doz.; \$15.00 per 100
 3-in.....\$3.00 per doz.; \$22.50 per 100
 5-in.....\$9.00 per doz.; \$70.00 per 100
 6-in.....\$12.00 per doz. ;
 6-in., strong\$2.00 each
 7-in. 2.50 each

Largest and Best Stock in the West.

We Still Have to Offer

A Fine and Large Stock of

Neph. Whitman, Scholzeil, Boston, Scotti, 5½, 6 to 7 in. in sizes at 35c 40c, 50c, 75c to \$1.00
 Araucaria Excelsa, 5½, 6 to 7 in. in pots, 50c, 60c, 75c, \$1.00 \$1.25 to \$1.50.
 Araucaria Robusta Compacta and Glauca, 6-in. pots \$1.00, \$1.25 to \$1.50.
 Rubbers, 20 to 35 in., 5½, 6 to 7 in. pots, 30c, 40c 50c, 75c to \$1.00.
 Kentia Belmoreana and Fosteriana, single, 50c, 60c 75c, \$1.00, \$1.50 to \$2.00.
 Kentia Belmoreana, made up, 60c, 75c, \$1.00.
 Asparagus Plumosus, 2½ to 3 in., 3c to 5c; 4-in., 10c. Sprengerii, 4 in., 10c.
 Willsoni Ferns, 6-in. pans 25c.
 Begonia Erfordi, Improved, in bloom 5¼-in., 25c.
 Arca Lutescens, 4-in., made up, 1c to 20c; 5¼-in., 25c.
 Cocos Weddelliana, 3-in., 15c; 4 in., 20c.
 Primula Chinensis, in bloom, 4-in., 10c; 5½-in., \$2.00 per doz.
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 Cinnecaria Hyb., Aschmann's so well known strain, 3-in., 5c; 4-in., 10c; 5½-in., 25c; 6-in., 35c. Cash with order.

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LOS ANGELES, CALIF.—F. E. Gray has resumed control of the Ingleside Floral Co., 148 West Adams street, having purchased the stock of A. W. & H. D. Ross. A fire at the houses January 16, destroyed the boiler house and slightly damaged two greenhouses, burning many plants and scorching some palms. The loss is estimated at about \$400.

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We can still quote February delivery on "Wodenethe" and "Brooklyn," at \$12.00 per 100; \$100.00 per 1000.

It will pay you to come and see these two varieties growing.

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Healthy Clean, Well Rooted Stock.

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R. P. Enchantress.....	2 00	17 50	White Perfection.....	2 00	17 50

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6 in.	6 to 7	24.....	1 00
Ced'r tub.	L. va.	In. high.	Each
7 in.	6 to 7	34 to 36.....	\$2 50
7 in.	6 to 7	36 to 38.....	\$30 00
9 in.	6 to 7	40 to 45.....	3 00
9 in.	6 to 7	42 to 48.....	4 00
9 in.	6 to 7	48 to 54.....	5 00
Cocos Weddelliana.			
Pot.	In. high.		100
2½ in.	8 to 10.....		\$10 00

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Made Up.			
Cedar tub.	Plants.	In. high.	Each
7 in.	4	36.....	\$2 50
7 in.	4	36 to 40.....	\$30 00
9 in.	4	40 to 42.....	3 00
9 in.	4	42 to 48.....	4 00
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9 in.	4	42 to 48.....	6 00
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Cedar tub.	Spread		Each
9 in.	4 to 5 feet.....		\$4 00
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Asparagus Sprengeri, 2½-in., \$2.50 per 100, \$22.00 per 1000.
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	Per 100
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Cash.


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Asparagus plumosus, 2 1/2-in., \$2 per 100; \$18 per 1,000. Joseph H. Cunningham, Delaware, O.

Asparagus plumosus, \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagna plumosus and Sprengerl plants. W. H. Elliott, Brighton, Mass.

ASPIDISTRAS.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., Edgbrook, Chicago, Ill.

AZALEAS.

Azaleas, Empress of India, 75c, \$1 and \$1.50 each. Van der Cruyssen, 75c, \$1 and \$1.50 each. The Geo. Wittbold Co., Edgwood, Chicago, Ill.

Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea Mollis, 12 to 15 ins., 25c each; 15 to 18 ins., 35c each. Storrs & Harrison Co., Painesville, O.

Hardy Azalea mollis, \$4.50 per doz.; \$35 per 100. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonias, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Rex begonia, assorted, 3-in., \$5 per 100. The Dingee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, bushes, 8 ins. high, 25c each; 12 ins., 35c; 18 ins., 50c; 24 ins., \$1. Globe, 18 ins. in diameter, \$2.50 each. The Geo. Wittbold Co., Edgbrook, Chicago, Ill.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood, Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Glaxias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottier, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Gladiolus—We offer all or any part, 25,000 Taconic, 25,000 Prize Mixture, containing nothing but choice named varieties, 10,000 Crawford's New America, 5,000 whites and lights and many others. Write for prices and get to know us. Mallory & Brown, Madison, Wis.

Bulba, Liliun Harrisli, 7-9, \$17 per case of 250 bulbs. White hyacinth, 12-15 ctms., \$18 per 1,000. Paper White Grand, Narcissus, \$3 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Liliun giganteum, 7-9, \$65 per 1,000. L. Arratum, 8-9, \$52.50 per 1,000; 9-11, \$90. L. Alhum, 8-9, \$95 per 1,000; 9-11, \$120. L. Rubrum, 9-11, \$80 per 1,000. L. Melpomene, 9-11, \$85 per 1,000. Vaughan's Seed Store, Chicago and New York.

Bulbs, Horseshoe Brand Liliun Harrisli. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Gladiolus. N. Co-operative Show Gardens, Spencer, Ind.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lilles. E. S. Miller, Wading River, N. Y.

Gladiolus, Mrs. Francis King, 2nd size, \$12 per 1,000; 3rd size, \$8; 4th size, \$6. The Geo. Wittbold Co., Edgbrook, Chicago, Ill.

Bulbs, hyacinths, tulips, narcissus, crocus, spicas, gladiolus, peonies, etc. Van Zanten Bros., Hillegom, Holland.

Bulbs, begonias and gloxinias. For varieties and prices see advertisement elsewhere in this issue. A. Henderson & Co., 30 E. Randolph St., Chicago.

Gladiolus, best florists sorts. Cannas, dabbias, peonies, etc. C. Betscher, Canal Dover, Ohio.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, begonia and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

Bulbs. Surplus of L. Multiflorus, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Gladioli, Groff's hybrids, etc. Geo. S. Woodruff, Independence, Iowa.

Bulbs. M. J. Guldemond, Lisse, Holland.

CANNAS.

Cannas, selected, plump, sound, 2, 3 and 4 eye pieces. Allemania, Austria, Burbank, \$11.50 per 1,000. Alsace, A. Bouvier, Chas. Henderson, Chicago, Louisiana, Mlle. Berat, Musefolia, Pres. McKinley, J. D. Eisele, Wm. Boffinger, \$15 per 1,000. Crimson Bedder, Egandale, Florence Vaughan, Louis Luray, Pres. Cleveland, \$18 per 1,000. Beaute Poltevine, Black Prince, Buttercup, Brandywine, D. Harum, Mme. Crozy, Martha Washington, Niagara, S. de Ant. Crozy, West Grove, Wyoming, \$20 per 1,000. Hiawatha, King Humbert, Sam Trelise, Venus, Multiflora, \$25 per 1,000, and for 80 more kinds ask for price list. Shelroad Greenhouses, Grange, Baltimore, Md.

The IMPROVED CANNA. 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crimson Bedder, Chas. Henderson, David Harum, Allemania Shenandoah, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

Cannas, Chicago, Egandale, Chas. Henderson, \$2.50 per 100; \$20 per 1,000. The Geo. Wittbold Co., Edgbrook, Chicago, Ill.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Cannas, 10 best vars., from \$15 per 1,000 up; also 10,000 King Humberts. W. W. Coles, Kokomo, Ind.

Cannas. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Cannas, Chas. Henderson, 2 to 3 eyes, \$2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

CARNATION ROOTED CUTTINGS. Best cuttings obtainable, from strong, vigorous plants.

Table listing carnation varieties and prices: Rose-pink Enchantress (\$3.00/25.00), White Enchantress (3.00/25.00), Enchantress (3.00/25.00), Lawson-Enchantress (2.50/18.00), White Perfection (3.00/25.00), Sangamo (3.00/22.00), Victory (3.00/25.00).

(2 and 2 1/2-in. pot plants, on application.) Rolf Zettlitz, Lima, Ohio.

If You do Not Find What You Need in Our Ready Reference Department, Write Us About It

FINE CARNATION CUTTINGS.

	Per 100	Per 1000
Victory	\$2.00	\$15.00
Winsor	2.00	15.00
White Lawson	2.00	15.00
Pink Lawson	2.00	15.00
Washington	6.00	50.00
Eachantrass	3.00	25.00

WICTOR BROTHERS,

162 N. Wabash Ave., Chicago.

CARNATIONS.

Strong, rooted stem cuttings, Winsor and Victory, \$15 per 1,000. O. W. Ward, White Perfection, White Eachantrass, \$20 per 1,000, 100 at 1,000 rate. Write for prices on large lots. Northwestern Floral Co., Gross Point, Ill.

Carnations, Gloriosa, Norwood, \$6 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Perfection, \$3.50 per 100; \$30 per 1,000. White Eachantrass, Eachantrass Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Eachantrass, Winsor, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Washington, \$6 per 100; \$50 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000; Beacon, \$3 per 100; \$25 per 1,000; White Eachantrass, \$3 per 100; \$25 per 1,000; May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, Eachantrass, Pure White Eachantrass, Rose Pink Eachantrass, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000; White Wonder, \$6 per 100; \$50 per 1,000. Smith & Gauntlett, Geneva, N. Y.

Carnations, Rosette, \$12 per 100; \$100 per 1,000; 2,500 for \$237.50. White Wonder, Gloriosa, Boaire, Golden Ray, \$6 per 100; \$50 per 1,000. Scarlet Glow, Mrs. C. W. Ward, White Perfection, Eachantrass, White Eachantrass, Rose Pink Eachantrass, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Beacon, White Eachantrass, \$2.50 per 100; \$20 per 1,000. Rose Pink Eachantrass, Eachantrass, White Perfection, \$2 per 100; \$17.50 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Carnation Beaura, \$12 per 100; \$100 per 1,000. Peter Fisher, Ellis, Mass.

Carnation Rainbow, \$12 per 100; \$100 per 1,000. Wanoka Greenhouses, Barneveld, New York.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

March 1st delivery.

Crimson.....	R. C. Per 100.	Per 1,000.
Pocket's Crimson	\$2.50	\$20.00
Intensity	2.00	15.00
White.....	R. C. Per 100.	Per 1,000.
Alice Bryoo	\$2.00	\$15.00
Touset	2.00	15.00
Virginia Pohlmann	2.00	15.00
October Frost	2.00	15.00
Yellow.....	R. C. Per 100.	Per 1,000.
Crocus	\$1.00	\$35.00
Golden Glow	2.00	15.00
Holiday	2.00	15.00
Maj. Bonaffoo	2.00	15.00
Pink.....	R. C. Per 100.	Per 1,000.
Pacific Supreme	\$2.00	\$15.00

J. D. THOMPSON CARNATION CO., JOLIET, ILL.

Chrysanthemums, 2-in. pots, Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, \$7 per 100. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, Early Snow, Estelle, Golden Glow, Pacific, Supreme, Bonnaffon, J. Nonin, Nagoya, rooted cuttings, \$1 per 100. Edward Wallis, Atco, N. J.

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

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, the largest flowering grown, fine 3-in., \$3.50 per 100. J. W. Miller, Shiremaus-town, Pa.

CLEMATIS.

Clematis paniculata, strong plants from 4-in. pots, two-year-old, \$10 per 100; plants from open ground, \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, field-grown, \$4.50 per \$100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Verschaffeltii and Golden Bedder, \$6 per 1,000. Standard, assorted, \$5; Giant Leaved, \$10. A. M. Herr, Lancaster, Pa.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, rooted cuttings, Pfister, Beckwith's Gem, Golden Bedder, Verschaffeltii, \$6 per 1,000; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus, 70c per 100; \$6 per 1,000. S. D. Brant, Clay Center, Kans.

CROTONS.

Crotons, Aurea maculata, 3-in., \$8 per 100. Storrs & Harrison Co., Painesville, O.

CYPERUS.

Cyperus, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlio, N. J., P. O.

Dahlias, a choice list of best novelties and varieties for cutting or garden use. True to name. Send for catalogue of dahlias, hollyhocks, hardy plants, etc. Prices reasonable. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias, for varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlias, for varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, new and standard varieties. Bassett & Weller, Hammoonton, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

Daisies, Giant Paris, from 2½-in. pots, \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Shasta daisies, strong, divided roots, \$22 per 1000; \$2.50 per 100. Cash with order. Las Palmas Greenhouses, P. O. Box 453, Palo Alto, Calif.

Daisies, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

Marguerites, yellow, cuttings, \$6 per 1,000; \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DEUTZIAS.

Deutzia gracilis, 20c each; \$2 per doz.; \$15 per 100. Vaughn's Seed Store, Chicago and New York.

DRACAENAS.

Dracaena indivisa, 2-in., \$3 per 100; \$25 per 1,000; 7-in., \$1.25 each; \$15 per doz. Dracaena Massangea, \$1.25 each; 7-in., \$1.50 each. Dracaena terminalis, 4-in., 35c each; \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., \$15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracaena indivisa, 3-in. pots, \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmons, Newton, N. J.

FERNS.

Ferns, Boston, 2-in., \$3 per 100; \$25 per 1,000; 3-in., \$1 per doz.; \$8 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; \$45 per 100; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz.; 10-in., \$2.50 each; 12-in., \$3.50 to \$5 each. Boston fern baskets, \$1, \$1.50 and \$2 each. Assorted ferns for dishes, 2-in., 40c per doz.; \$3 per 100; \$25 per 1,000. Cibotium, 7-in., \$2.50 each; \$30 per doz.; 8-in., \$3 each; \$36 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes, Pteris Mayi, Wilsool, Winssetti and Alba lineata, 2½-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 3-in. Pteris Wilsool and Winssetti, 85c per doz.; \$6 per 100. Vaughn's Seed Store, Chicago and New York.

Ferns for dishes. Pteris Mayi, Scrinulata cristata variegata, Winssetti, Cretica albo lineata, \$3 per 100; \$25 per 1,000. Aspidium tussumense and Cyrtomium falcatum, \$3.50 per 100; \$30 per 1,000. Storrs & Harrison Co., Painesville, O.

ROOSEVELT FERN is a winner. We offer 2½-in., \$2 per doz.; \$15 per 100; 3-in., \$2.50 per doz.; \$17.50 per 100. F. O. B. here. THE COARD & JONES CO., West Grove, Pa.

5,000 Boston ferns for 6-in., 25c; strong, healthy stock. Orders booked now for Boston and Whitman, strong runners for 2 and 3-in., \$20 per 1,000. Cash. A. G. Lake, Wellesley Hills, Mass.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000. Ferns, strong plants, 2-in., \$3 per 100; \$25 per 1,000. Adiantum Farleyense, strong plants, 4-in., \$4 per doz. Cash please. Rober & Radke, Maywood, Ill.

Ferns, Amerpohli, Barrowsii, Scotti, Elegantisima, Boston, Jacksoii, Sword and Whitmani, from 4-in. pots, \$15 per 100. Same varieties, 2½-in., \$4 per 100. The Dinee & Coard Co., West Grove, Pa.

Ferns, Boston, Whitmani, Scholzei, Scotti, 4-in. pots, \$2 per doz.; 5-in. pots, \$3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Ferns, Boston, 2½-in., \$3 per 100; \$30 per 1,000. Whitmani, 2½-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns, for varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2½-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechalin, 4911 Quincy St., Chicago.

Ferns, 4-in., \$12 per 100, Boston, Barrowsii, Elegantisima. Also 2½-in., Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmons, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNs, 4-in., Boston, fine stock, \$14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Bobbiok & Atkios, Rutherford, N. J.

FEVERFEW.

Feverfew, large double white, \$1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus elastica, 6-in., 50c each; \$6 per doz. Ficus ripeas, 2½-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, \$25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

ROOTED GERANIUM CUTTINGS. S. A. Nutt (dark red), Gen. Grant (bright red), Mme. Buchner (dbl. white), \$1.50 per 100; \$14 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, standard sorts, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Geraniums, Nutt, Buchner, Ricard, Perkios, Poitevine, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Geraniums, assorted, large proportion Nutt, Richard Doyle, rooted cuttings, \$1 per 100. Edward Wallis, Atco, N. J.

Geraniums, S. A. Nutt, \$11.50 per 1,000. Ricard and Poitevine, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens of all kinds. For prices see advertisement elsewhere in this issue. J. H. Von Canon & Co., Banners Blk., N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Greens, bonquet green, wrenthing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

HARDY PLANTS.

Herbaceous plants. Bobbink & Atkins, Ruthersford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotope, 2-in., \$2 per 100; 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago.

Heliotope, 80c per 100; \$7 per 1,000. S. D. Biant, Clay Center, Kans.

HYDRANGEAS.

Hydrangea Otaksa, 5 to 6 branches, \$20 per 100; 4 branches, \$15 per 100. Souvenir de Claire, same price; also 7 to 10 branches, latter variety, \$25 per 100. Jackson & Perkins Co., Newark, New York State.

Hydrangea Mme. Emile Moullere, 3-in., \$3 per doz.; \$25 per 100. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hydrangea Otaksa, 6-7 inch, 3 to 4 flowering stems, \$5 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, German, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivies, German, 60c; Eng., 75c; prepaid. Chas. Frost, Kenilworth, N. J.

English Ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storra & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Storra & Harrison Co., Painesville, O.

LILACS.

Lilacs, M. Legraye, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lilacs, Marie Legraye, \$6 per doz.; \$50 per 100. Henry A. Dreer, 714 Chestnut St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, Chicago Market Brand, \$2 per 100; \$16 per 1,000. Early forcing Valley, \$1.50 per 100; \$14 per 1,000. H. N. Bruns, 3038-40-42 W. Madison St., Chicago.

LOBELIAS.

Lobelias Kathleen Mallard, rooted cuttings, \$6 per 1,000; 2-in., \$3 per 100; \$25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

MOSS.

Log moss, 3c; Ivy and laurel, 2c. Jas. Williams, Browns, Tenn.

Sphagnum moss, 12 bbl. bale, \$3.50. Green moss, \$1 per bbl. James Day, Milford, N. H.

MUSHROOM SPAWN.

Mushroom Spawm. Lambert's Pure Culture. American Spawm Co., St. Paul, Minn.

NURSERY STOCK.

- Altheas, Hydrangeas, Privet,
- Barberria, Philadelphus, Spirea,
- Deutzias, Forsythias, Weigelas,
- Viburnums,

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

Nursery stock, ornamental and forest trees, pendulous or weeping trees, ornamental deciduous pyramids and shrubs, roses, hardy ornamental evergreens, conifers, etc. P. J. Looymans & Zonen, Oudenbosch, Holland.

2,750 Spirea Van Houttei, 2 1/2 to 3 1/2 feet, \$7 per 100. 800 Berberis Vulgaris, 2 1/2 to 3 1/2 feet, \$8 per 100. Send for additional list and price. Henry Lake Sons Co., Nurserymen, Black River Falls, Wis.

Japau Maple, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya and Laelia Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$1.50 per doz. Veltchli, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storra & Harrison Co., Painesville, O.

PALMS.

KENTIA BELMOREANA, 2 1/2-in. pots, 10-15 inches tall, four or more characterized leaves, \$9 per 100 and worth the money. Jackson & Perkins Co., Newark, New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storra & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. McHutchison & Co, 17 Murray St., New York.

PANSIES.

SOMETHING NEW, something different from our gardens, the PANSY WONDERLAND. New color. Plate catalogue ready in February tells all about "MASTODONS," the premier mixed strain of pansies. Plants per 100, 50c; per 1,000, \$3; seed, 1-12 oz., \$1; oz., \$9. STEEL'S MASTODON PANSY GARDENS, Portland, Ore.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, transp. seedlings, \$5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C. \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Biant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5 1/2 and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIMULAS.

Miller's Giant Obconica, average larger than silver dollars. Fine 3-inch, \$5 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Primula. For varieties and prices see advertisement elsewhere in this issue. Bees, Ltd., 179 Mill St., Liverpool.

PRIVET.

200,000 Cal. Privet, 2-year, \$12 per 1,000; 4 to 6 branches and up; large stock Ampelopsis Veltchli, Clematis Poniculata, 1, 2 and 3-year-old; fine stock Hydrangeas, English Ivy, Shrubs, Vines, Dahlias and Canas. Get my Hat; it will pay you. Benj. Connell, Florist, Merchantville, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 in., 3c. The Dince & Conard Co., West Grove, Pa.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendron, 75c \$1 and \$1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Rhododendron, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 8 to 12 buds, 18 ins., 75c each; 12 to 14 buds, 24 ins., \$1 each. Storra & Harrison Co., Painesville, O.

ROSES.

ROSES. Send for complete list. Per 100
American Pillar, 3-year.....\$35.00
American Pillar, 2-year..... 25.00
Dorothy Perkins 12.00
Lady Gay, 4 to 5 ft..... 16.00
THE CONARD & JONES CO.,
WEST GROVE, PA.

ROOTED CUTTINGS.

	Per	Per
	100	1,000
Richmond	\$2.00	\$15.00
Pink Killarney	3.00	30.00
White Killarney	2.50	20.00

RICHMOND BENCH PLANTS.
1 year old, \$3 per 100; \$50 per 1,000.
Satisfaction Guaranteed—Ready Now.
GEO. REINBERG,
162 N. Wabash Ave. Chicago, Ill.

ROSES. Own-root. My Maryland, Plnk Killarney, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Perle, cutting, \$2 per 100; \$15 per 1,000; 2 1/2-in., \$4 per 100; \$30 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Murton Grove, Ill.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, New York State.

Roses, Kaiserin, \$3.50 per 100; \$25 per 1,000; Perle, \$3.50 per 100; \$25 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Rose—Double White Killarney. A. N. Pierson, Inc., Cromwell, Conn.

Roses. M. Leenders & Co., Tegelen, Holland.

Rose Lady Hillingdon. Waban Rose Conservatories, Natick, Mass.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

Rose White Killarney. A. N. Pierson, Inc., Cromwell, Conn.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, rooted cuttings, Bonfire, Zurich, \$6 per 100; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Salvias, 80c per 100; \$7 per 1,000. S. D. Biant, Clay Center, Kans.

SEEDS.

SOW NOW if you want them for early Spring sales.

Begonia Bedding Queen, finest pink	\$2.50	\$0.50
" Gracilis luminosa, finest red	2.50	.50
" Triumph, finest white.....	2.50	.50
O. V. Zangen, Hoboken, N. J.		

European gladiolus seed from W. Manger & Sons' unrivalled collection. 1,000 seeds in original packets, \$1.00. Cash with order. H. Youell, 538 Cedar St., Syracuse, N. Y., Agent for U. S. and Canada.

Seeds, Specialties: Beet, carrot, sweet corn, peas, beans, onion sets, seed potatoes. S. D. Woodruff & Sons, Orange, Conn., and New York City.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, Asparagus plumosus nanus, per 100 seeds, 60c; 250 seeds, \$1.25; 1,000 seeds, \$4; 5,000 seeds, \$3.75 per 1,000. Vaughan's Seed Store, Chicago and New York.

Flower Seeds. For varieties and prices see advertisement elsewhere in this issue. Currie Bros. Co., Milwaukee, Wis.

Seeds, vine seeds, Rocky Ford cantaloupe, muskmelon and cucumber seed. The Ebbert Seed Co., Rocky Ford, Colo.

Seeds, cucumber, squash, corn, etc. James J. H. Gregory & Son, P. O. Box A, Marblehead, Mass.

Flower seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cabbage, cauliflower and root seeds. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, beet, carrot, parsley, parsnip, radish, celery. I. N. Simon & Son, 6 No. Front St., Philadelphia, Pa.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seeds, lawn grass. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Onion seed and onion sets. Schilder Bros., Chillicothe, Ohio.

Seeds. Farmer Seed and Nursery Co., Fairbault, Minn.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, sunflower, \$3.50 per 100 lbs. J. Bolzano & Son, Baltimore, Md.

Seeds, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

SMLAX.

Smilax, 3-in. pots, \$4 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

3,000 Spirea Van Houttel, 2-yr., 2 1/2 to 3 1/2 ft. Send for prices; additional lists and catalogue. Henry Lake Sons Co., Nurserymen, Black River Falls, Wisconsin.

Spirea Gladstone, \$3 per doz. Queen Alexandra, \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Spireas, clumps. For varieties and prices see advertisements elsewhere in this issue. The Storrs & Harrison Co., Palmyra, O.

STRAWBERRY PLANTS,

Fall Bearing Strawberry Plants, best varieties. Catalogue free. Basil Perry, Cool Springs, Del.

TRADESCANTIA.

Tradescantia, variegated, 2-in., 40c per doz.; \$3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VERBENAS.

VERBENAS—Our selection of rooted cuttings, 75c per 100; \$6 per 1,000. Plants, 2 1/2-in., \$2.50 per 100; \$20 per 1,000. Purchaser's Selection, rooted cuttings, 90c per 100; \$8 per 1,000. Plants, \$3 per 100; \$25 per 1,000. NEW VARIETIES, cuttings, \$1 per 100; plants, \$4 per 100. J. L. DILLON, Bloomsburg, Pa.

Verbena, 60c per 100; \$5 per 1,000. S. D. Brant, Clay Center, Kans.

Lemon Verbena, rooted cuttings, 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

VINCAS.

Vincas, large year-old plants, field-grown, green or variegated, fine stock, \$1.75 per doz.; \$12.50 per 100. Cash with order. West View Floral Co., Knightstown, Ind.

Vincas, 2-in., \$2.50 per 100; 3-in., \$5; 4-in., \$2 per doz.; \$15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

TO EXCHANGE.

To Exchange—R. C. of Exchautressa, May Day, Scarlet Glow and White Perfection, also rose plants both field and pot grown, summer propagated, including such varieties as Lady Hillington, Ward and the Killarneya. Write for list. For 3 1/2, 4, 5 and 6-in. Boston, Whitman, Scottii, Elegantissima or any other plume fern. Rosemont Gardens, Montgomery, Ala.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Gihlin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearna Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchinga & Co., 1170 Broadway, N. Y.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hinea Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Steel and iron work. Scully Steel and Iron Co., Chicago and New York.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest article for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

INSECTICIDES.

Insecticides, Aphine, \$1 per quart; \$2.50 per gal. Fungus, 75c per quart; \$2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, \$1.50. Nikoteen Aphia Punk, \$6.50 per case of 12 paraffined boxes.

FERTILIZERS.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

Domoto plant food, 25c per package. North American Mercantile Co., San Francisco, Calif.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietach Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John O. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchinga Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters. Jennings' Improved iron gutters. Diller, Caakey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MATS.

The cheapest and most practical Hotbed and Cold Frame Mat on the market. Send for circular and price list. Watts Bros., Kermmoor, Pa.

MISCELLANEOUS.

Pillbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillahury, Galeburg, Ill.

Tobacco stems. H. Munson, 1405 Wells St., Chicago.

Cut flower and design boxes, all sizes. O. C. Pollworth Co., Milwaukee, Wis.

The Travia Patent Universal Rocker Grate. G. E. Travia Co., Henry, Ill.

Baskets, pansy and verberna, 9 ins. long, 6 ins. wide, 3 ins. deep, per 1,000, \$9; 13 ins. long, 7 1/2 ins. wide, 4 ins. deep, \$15. Colea & Co., 103-111 Warren St., New York.

Folding Flower Boxes. For sizes and prices see advertisement elsewhere in this issue. A. A. Arnold, 16 to 22 S. Peoria St., Chicago.

Superior hanging baskets. E. G. Gillett, 131 E. 3rd St., Cincinnati, O.

Pipes, fues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Wagner plant boxes for palma, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hot-beds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Ohmsted's Improved Reliable Mole Trap. L. H. Ohmsted's Son, Hansbrouck Heights, N. J.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c per 1,000, \$5. Vaughan's Seed Store, Chicago.

WHOLESALE CUT FLOWERS.

- Allen, J. K., New York.
- Amling Co., E. C., Chicago.
- Angermueller, Geo. H., St. Louis, Mo.
- Budgley, Riedel & Meyer, Inc., New York.
- Bassett & Waaburn, Chicago.
- Bering, H. G., St. Louis, Mo.
- Budlong, J. A., Chicago.
- Chicago Carnation Co., Chicago.
- Chicago Flower Growers' Ass'n., Chicago.
- Critchell, C. E., Cincinnati, O.
- Deamud Co., J. B., Chicago.
- Elliott, W. H., Brighton, Mass.
- Ford, M. C., New York.
- Froment, H. E., New York.
- Greater N. Y. Florista's Ass'n., New York.
- Growers' Cut Flower Co., New York.
- Gunther Bros., New York.
- Hoerber Bros., Chicago.
- Hoffmeister Floral Co., Cincinnati, O.
- Holtan & Hunkel Co., Milwaukee, Wis.
- Hunt, E. H., Chicago.
- Kaating Co., Wm. F., Buffalo, N. Y.
- Kennicott Bros. Co., Chicago.
- Kessler, Wm. A., New York.
- Kruchten, John, Chicago.
- Kuebler, Wm. H., Brooklyn, N. Y.
- Kuehn, C. A., St. Louis, Mo.
- Kyle & Foerster, Chicago.
- Leakes & Co., New York.
- McCallum Co., Pittsburg, Pa., and Cleveland, O.
- McCullough's Sons Co., J. M., Cincinnati, O.
- McKellar, Chas. W., Chicago.
- Meconi, Paul, New York.
- Milling, Chas., New York.
- Moltz & Co., New York.
- Moore, Hentz & Naab, New York.
- Munk Floral Co., Columbus, O.
- N. Y. Cut Flower Exchange, New York.
- Niessen Co., The Leo, Philadelphia, Pa.
- Randall Co., A. L., Chicago.
- Reinberg, Geo., Chicago.
- Reinberg, Peter, Chicago.
- Rice Bros., Minneapolis, Minn.
- Rusch & Co., Guat, Milwaukee, Wis.
- Pennock-Meehan Co., S. S., Philadelphia.
- Percy Jones, Chicago.
- Pittshur Cut Flower Co., Pittsburg, Pa.
- Pohlmann Bros. Co., Chicago.
- Pollworth Co., C. C., Milwaukee, Wis.
- Seattle Cut Flower Exchange, Seattle, Wash.
- Sheridan, W. F., New York.
- Smith, P. J., New York.
- Smith, Wm. C., St. Louis, Mo.
- Thompson Carnation Co., J. D., Joliet, Ill.

Fredericton, N. B.

"This is Candlemas day, bright and clear; there'll be two winters in one year." So the old saying goes; but we hope this will not prove true this year, for we have had the coldest January recorded for 40 years in New Brunswick, but February has started in more moderate. The weather the last month has caused a great consumption of fuel and held back the production of cut flowers, and the demand generally has exceeded supply, especially in funeral work, there being a general call for designs, etc.

NOTES.

Our provincial government and towns, including St. John, Fredericton and Woodstock, are boosting New Brunswick as favorable for farming and fruit raising, trying to induce English and Scotch settlers to come and take possession of the farms now unoccupied, for we can produce the best quality of apples, potatoes, etc., that can be grown in any part of Canada. Our own young men seem to move west or to the towns. It is claimed that we are on the eve of prosperity in having two railways along the St. John valley. We hope these anticipations will be realized and New Brunswick will see bright and happy days.

We have been favored, if it can be called a favor, before Christmas and since for the first time with no less than four Holland bulb men, and as there are only two commercial florists here it proved rather an unfruitful field for them. We ourselves have dealt with one old reliable firm for some ten years, but this year for the first time they sent their representative. We must say these Hollanders speak very good English and are nice fellows. We were sorry to have to say "No" to several of them.

J. B.

Louisville, Ky.

It was reported at the last meeting of the Kentucky Society of Florists that Jacob Schulz was ill and H. Kleinstarink, Louis Kirch and H. G. Walker were appointed a committee to call on him. They found him well and jolly as ever, and he escorted them over the place. His carnations are doing remarkably well and some nice orchids were in bloom. His greenhouses are always kept in the neatest condition.

Wm. Walker's flower store was completely burned out with a loss estimated at \$3,500. He has leased a store on Fourth avenue opposite the Mary Anderson theatre and will soon open again.

P. A. Reynolds, who was quite ill, is able to be out again. He lost two greenhouses of plants early in January by the fireman going to sleep and allowing the plants to freeze.

H. Kleinstarink invested \$1,000 in an automobile company and is suing for the return of the cash, the company having failed.

Mrs. F. Walker met with an accident, falling and breaking both an arm and leg and is still confined to her bed.

Nelson Wooden, who started a store on Jefferson street, has left for parts unknown, leaving several unpaid accounts.

H. G. W.

HOLYOKE, MASS.—The recently organized Florists' and Gardeners' Club held a meeting January 9 at the Smith college conservatory, when papers were read by Edward J. Canning, F. Bartlett and George Strugnel. The next meeting of the club will be held February 5 at the Massachusetts Agricultural college.

ORDER NOW

KROESCHELL HOT WATER BOILERS

AT OUR EXPENSE TELEGRAPH

NOT CAST IRON



**NO SECTIONS
EASY TO SET UP
Made of Boiler Plate
Absolutely Safe
CANNOT CRACK**

**Has Thin Water Ways
Vertical Circulation
The Longest Fire Travel
Heats Quick, Easy to Clean
More Direct Surface than
any Other Boiler**

Can ship any size immediately. Telegraph order.

**KROESCHELL REPLACES
TWO CAST IRON BOILERS**



Range of H. M. Totman, Randolph, Vt.—the largest out flower establishment in Vermont, No. 7 Kroeschell heats the entire plant.

H. M. Totman,

WHOLESALE AND RETAIL FLORIST.

OROWER OF THE FINEST CARNATIONS.

SPECIALTIES CUT FLOWERS, FLORAL DESIGNS, BEDDING PLANTS. TELEPHONES LONG DISTANCE AND ORANGE COUNTY

RANDOLPH VT.

Gentlemen:—

Your #7 Kroeschell Boiler rated at 15,000 sq. ft. of glass is carrying my entire range of 17,000 sq. ft. of glass. It might heat more.

We maintain a temperature of 50° and had no trouble to keep the proper temperature in the coldest weather.

During the recent cold snap I fired every 3 hours during the night. I find it a saving in coal to fire often. I have the KROESCHELL BOILER six years, and the only expense is one set of grates.

NO OTHER BUT A PLATE BOILER FOR ME.

Yours very truly

H. M. Totman.

**GET A KROESCHELL
THEY ARE
HONESTLY RATED**

KROESCHELL BROS. CO. 452 WESTERIE ST. CHICAGO, ILLINOIS.

WILL SHIP WHEN WANTED

PAY AFTER BOILER REACHES YOU

FLORISTS' Refrigerators!

DOES your rapidly increasing business require an attractive ice box? If so write us, we are manufacturers and can quote you on Ice-Boxes of every description.

Your old box can be used as part payment.

Buchbinder Bros.

Long Distance Phone, Monroe 5616.

518-520 Milwaukee Ave., CHICAGO

Mention the American Florist when writing

THE STANDARD

VENTILATING MACHINERY



The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is using a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Greenhouse Material and Sash

Of Every Description.

Get Our Prices and Catalogue.

S. Jacobs & Sons, Established 1871.
1361-1383 Flushing Ave. Brooklyn, N. Y.

The Regan Printing House LARGE RUNS OF CATALOGUES

—OUR SPECIALTY—

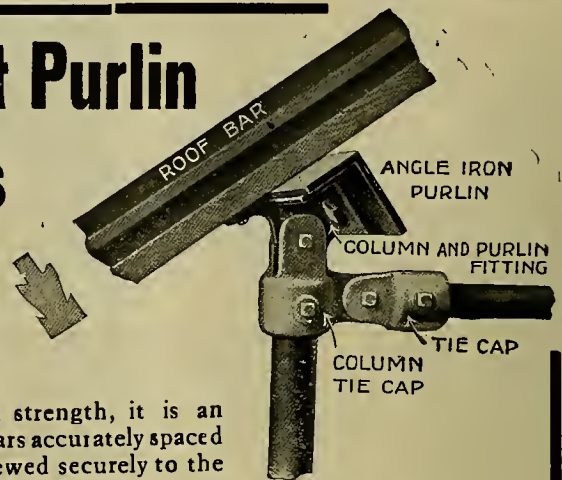
WRITE FOR FIGURES.

527 Plymouth Place, CHICAGO

ASBURY PARK, N. J.—The banquet of the Elberon Horticultural Society held at Deal Inn January 22 was a grand success, there being about 75 present. Arthur Herrington officiated as toastmaster and addresses were made by Charles H. Totty, H. E. Deneger, Rev. Fr. Norris, Dr. W. S. Whitmore and Mayor Bennett. Propositions to hold shows during the year were made which will come before the society.

Important Purlin Facts

FOR years we have been using Angle Iron Purlins in our Half Iron houses, because we believe them to be better. Aside from their great strength, it is an advantage to have the bars accurately spaced in position by being screwed securely to the angle purlins.



If an angle purlin is best for a full iron frame house, why isn't it best for a Half Iron Frame one? Answer: It is.

Of course we admit that the purlins are but a small part of the house, and we may seem to be talking a good deal about them, but we are doing it just to show you that our Half Iron Frame house is a house built on reasons—every one of which we can back up by proven facts, proven by experience. If you want a reasonable house built on sound reasons—you want ours. Write us for further facts about the entire construction.

Hitchings & Company

General Offices and Factory:
ELIZABETH, N. J.

NEW YORK OFFICE:
1170 Broadway.

To Tell All the Good Points of Our Construction

in this advertisement are planning any tions, it will pay

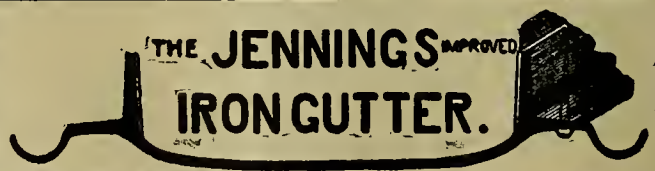
is impossible. If you rebuilding or addi- you to write us.

TRUSSED SASH BAR AND IRON FRAME HOUSES



CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

Use our patent Iron Bench Fittings and Roof Supports



IMPROVED VAPORIZING PANS For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN, PHILADELPHIA.
8 W. Corner 5th and Berk Streets.

VENTILATING APPARATUS



TIME IS MONEY Save 1/2 the time greening your designs by using Florists' Greening Pins. 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.

Wm. Schlatter & Son, Springfield Mass. Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and HotWater. GIBLIN & CO., Utica, N. Y.

Tobacco Paper

"Nico-Fume" LIQUID

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

Furnishes the
Most Nicotine for the Money!

OVER 40% NICOTINE

By far the
HEAPEST

JUST NOTE PRICES

24 sheets.....	\$ 0.75
144 sheets.....	8.50
288 sheets.....	6.50
1728 sheets.....	85.10

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Aphine

The Insecticide that kills plant Lice of every species

Destroys Green, Black White Fly, Thrips Red Spider, Mealy Bug, Scale and all Plant-Sucking Insects.

An Excellent Cleanser for Decorative Stock.
\$2.50 per gallon; \$1.00 per quart.
United States and Canada.

FUNGINE

Has no equal for destroying Mildew, Rust and other Plant Fungi.

FUNGINE will cure bench rot, and is proving an excellent remedy for the protection of cuttings and young stock against the various blights.

\$2.00 per gallon; 75c per quart.
United States and Canada.

For Sale by Seedsmen.

Manufactured by
Aphine Manufacturing Company
MADISON N. J.

Mention the American Florist when writing



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or honses, and we will quote you an attractive price.

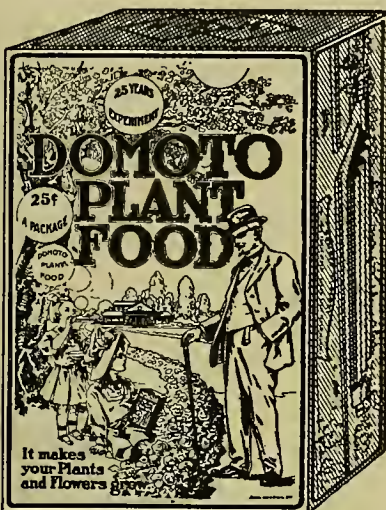
Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind.

THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

The National Florists' Board of Trade, 56 Pine St., NEW YORK

The Early Advertisement Gets There.



318-320 Front Street,

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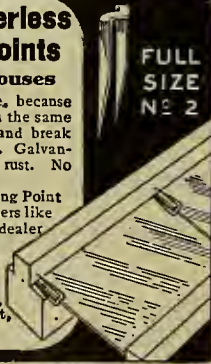
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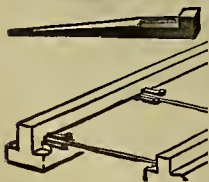
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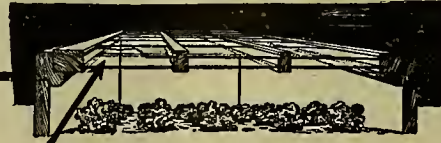
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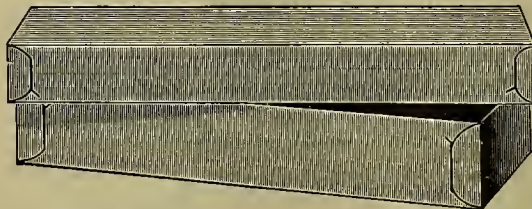
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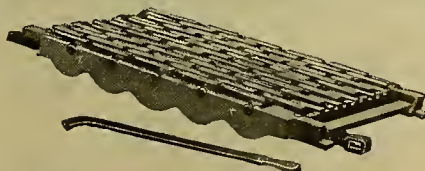
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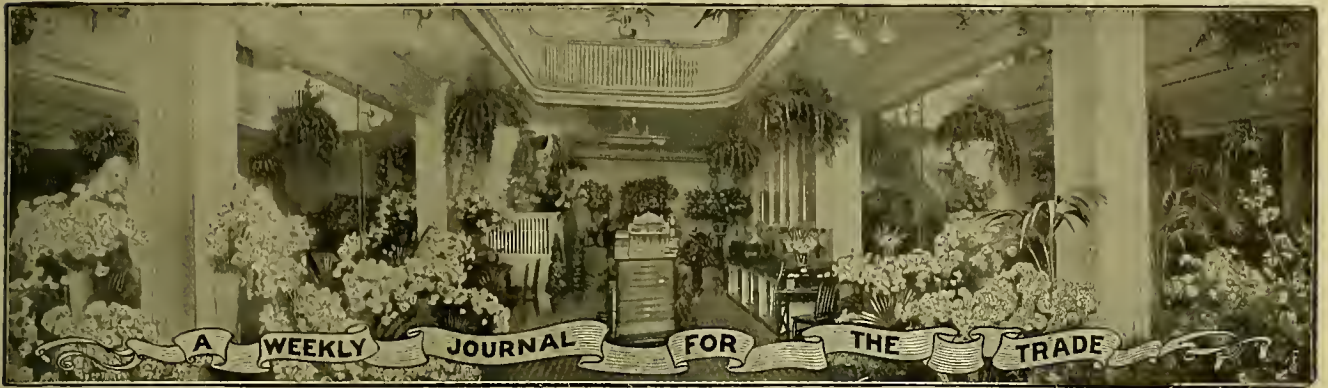
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Vol. XXXVIII.

CHICAGO AND NEW YORK, FEBRUARY 17, 1912.

No. 1237

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Ready Reference Ads.
Page 213.

SUGGESTIONS FOR PLANT GROWERS.

Early Annuals.

During the warm days of June the carnations deteriorate very rapidly and there is often a great need for some flower to take their place, and an early bench of asters is a great boon at such a time, especially for those who have a good call for funeral work. Seed planted during February and grown in pots or flats until after Easter can be then transplanted to the benches in which the Easter crops are grown and they will be in bloom at the time when most desired. A good strain of early flowering varieties either Comet or Victoria should be selected and with good care a paying crop is assured. A sowing of candytuft by March 1 will also produce plants that can be benched after Easter in the same manner and a good cut for Memorial day be had. The strains of white giant candytuft now offered make splendid spikes for the filling in of sprays at that great flower day. There are many annuals that can be grown for early spring blooming that are greatly appreciated by the trade among which might be mentioned calendulas, nasturtiums, scabiosa, sweet sultans and bachelor's buttons.

Marguerites.

As the warm days of spring approach the marguerite plants will bloom profusely and those in pots will have, to a great extent, exhausted the plant food in the soil, so to keep up the size of the flower and length of stem watering with liquid manure will be necessary. Liquid cow manure can be safely used in frequent waterings with no danger of any injury if the plants are in a healthy condition. The flowers should be cut daily and placed in water; they will keep much longer than if allowed to remain on the plants where they quickly fade if not picked when the warm spring days come on. This should be prevented for it not only gives the plant an untidy appearance but takes the strength of the plant and the following flowers are often much shorter in stem. A few well bloomed plants are very

decorative at Easter, especially in churches where they make a splendid showing. Propagation for next year's stock should now be carried on, the cuttings root easily and there are plenty to be obtained at this time. As soon as rooted they should be grown on in good soil, and to secure the best results another year given the best of culture.

Dahlias.

The forcing of early dahlias has been practiced successfully by growers the last few years, and roots started at this time will produce flowers for Decoration day and during June. A good deep bench, in a house not too warm, should be selected, and while the plants are great feeders in the open ground, it is better not to have the soil too rich in the houses, for the plants grow very tall inside, and with a rich soil make a strong, rampant growth, which will not bloom as early. They can be fed when the buds begin to form by giving them a mulch of half-decayed manure, which will materially assist the flowering and also provide a covering that will prevent evaporation. They will require but little attention except that long, strong stakes will be necessary to keep the plants growing erect, to which they should be firmly tied, and then dis-budding to produce the better blooms. Any varieties that it is desired to increase the stock can be planted in the house and the young growths made into cuttings, which root easily at this time.

Azaleas.

The azaleas for spring flowering and Easter will soon need attention. If they have been in cold pits they should be brought into cool houses, and those that have been kept in cool houses will need spacing out and a careful going over. March and April being nearer their natural time of blooming than those brought into flower early in the winter, the plants will not have to be forced as hard and are much better brought along in a cooler temperature. The plants, however, that bloom later will require more attention, especially

in regard to pinching out the soft growths that start around the cluster of buds. This should be done as early as possible and with great care, so as not to injure or break the buds. These soft growths grow very rapidly at this time and if they attain any length, quickly draw the nourishment from the stem and blast the buds, so it will require constant attention to keep them pinched off. They should be looked over at least once a week and all young shoots removed. Give the plants plenty of room so as to allow a good circulation of air, that the plants can dry off after syringing. These plants are often crowded together as closely as possible, but this invariably results in the loss of much foliage and the plant grows out of shape.

What to do with the plants that have flowered is often a question. Many growers assert that a better and earlier plant can be produced the second year than can be bought abroad and imported, but to do this the plants must be given good culture and not placed in some out-of-the-way corner where it suffers for lack of air, light and water. Whatever trimming into shape the plant requires should be done now, and the plant given an opportunity to start a new growth. As early as it is safe from all frosts the plants can be plunged outside in a frame and during the summer a mulch should be spread over the soil to prevent too much evaporation. Frequent syringings may be required during hot weather to keep down red spider, these plants being quickly infested with these insects in certain locations and they quickly ruin the foliage. Like all hard-wooded stock, be sure they do not get dry. They do not show it as quickly as the soft-wooded plants and often when it is seen it is too late to remedy the injury done.

Hydrangeas.

The greatest demand for hydrangeas is in May and June and to have them in the best condition at that time the plants should be started before March 1. While they may be started later and forced harder, yet the plants so grown are not as sturdy and do not give so good satisfaction after they are placed on the porches. Start the plants in a cool house and if the wood has become dry in their winter quarters, frequent syringing will assist in softening it. When they begin to grow do not crowd them. Crowding and too much heat are the principal causes of the long, ungainly plants so often seen. If they are grown in a cool house, with plenty of room, the plants will be sturdy and short-jointed, covered with beautiful foliage and shapely, and are a great ornament, which surely cannot be said of the tall plants with small foliage and bare stems toward the base. When the plants begin to grow rapidly they will require plenty of water and during the warm, sunny days of spring, when the houses are hot, all the ventilation possible, and at this time watch carefully for red spider, which gather in great numbers on the young growths and blooms and quickly spoil them. If they appear, syringe heavily until they are overcome. Keep the plants staked and tied as soon as required.

MENDHAM, N. J.—John Quimby is preparing to open a flower shop in the Coghlan store.

Food for Flowers.

Abstract of paper read by H. A. Huston before the Florists' Club of Washington, D. C., January 2, 1912.

This country pays for commercial fertilizers over \$100,000,000 annually, most of which is used on field crops, but some producers of truck and fruit are also beginning to use them as substitutes for the stable manure, which is constantly increasing in price. Where proper precautions are taken, it is found that such substitution for part of the stable manure saves time, labor and money. Truck and small-fruit growers have found that the money invested in suitable kinds and amounts of commercial plant foods yield very profitable returns. As we pass from field crops to those crops that yield very much larger returns per acre, the profits of suitable fertilization greatly increase.

Stable manure and the solutions made from it have always been considered of high value, and even essential by many vegetable growers; but investigations forced upon them by the difficulty of obtaining it and the inconvenience of handling, have shown that really the manure is more essential for keeping the soil in good physical condition and regulating its water-holding capacity than it is for supplying plant food. Only by supplementing it with commercial plant foods can the needs of special soils, special crops, or special market conditions be met to the best advantage. Another fundamental

forms, and must be used in the right way at the right time. For this reason it is often better to use the materials separately. Various general plans or so-called theories of fertilization or plant feeding have been formulated. Probably the best of these, especially for horticultural purposes, is that generally credited to Prof. Wagner of Darmstadt which consists of supplying phosphoric acid and potash somewhat in excess of the supposed requirements of the crop, and adding nitrogen compounds in divided applications as indicated by the appearance of the crop. The reason for supplying an excess of the minerals, phosphoric acid and potash is that these materials are fixed rather firmly in the soil, and a single crop cannot recover all that is applied. A moderate excess of these has no bad effect on the crop, while an excess of nitrogen compounds tends to promote soft leaf growth and weak stems at the expense of bloom and fruit.

FERTILIZATION OF OUTDOOR BEDS.

The ground is prepared by working in from 10 to 15 pounds of stable manure per square yard. This may be repeated each third or fourth year. In addition to this each year apply one-half to one ounce sulphate of potash, one-half to one ounce sulphate of ammonia, one-half to one ounce acid phosphate per square yard. Instead of this we may use one-half to one ounce sulphate of potash, one to two ounces



HOUSE OF HYDRANGEAS.

is that soil acidity be avoided and for this purpose the safest and best thing to use is finely ground limestone at the rate of 500 to 1,000 pounds per acre once every three or four years.

The plant foods that may be profitably used consist of compounds furnishing nitrogen, phosphoric acid and potash. The mere presence of these substances in a fertilizer, however, is not enough. They must be present in the right amounts and in the right

basic slag (Thomas meal), one-fourth to one ounce nitrate of soda. These fertilizer materials should be well mixed with each other, and preferably with an equal amount of dry earth evenly distributed over the bed and worked in before planting. Beds which will be planted in autumn should receive all the phosphate and potash, but only one-third of the sulphate of ammonia or nitrate of soda at that time, the remainder of these latter be-

ing applied after growth has started in the spring. For fertilization of bush and tree groups it is recommended that the above application be made after the leaves begin to fall in the autumn or during the winter. The above applications may be increased one-third on very thin land, or when fertilizing for the first time.

LAWNS.

The main fertilization of lawns is best accomplished in winter or early spring, and should consist of three-fourths ounce sulphate of potash and one and one-fourths ounces acid phosphate per square yard, or on very light, sandy soils, of three to five ounces kainit and two to three ounces basic slag.

When these fertilizer materials are applied in the spring they should be mixed with one-fourth to one-half ounce of nitrate of soda or sulphate of ammonia per square yard, but if the potash compounds and phosphates are applied to the lawn in the autumn or winter, the nitrogen compounds should be held out and applied in the spring. Basic slag and kainit are best applied in the autumn.

After the lawn has been cut two or three times it should receive a further fertilization with one-fourth to one-half ounce of nitrate of soda or sulphate of ammonia. The nitrate of soda will favor the growth of clovers and deep rooted plants while the sulphate of ammonia rather promotes the growth of more shallow rooted grasses. Care should be taken to dissolve the fertilizer applied to a lawn, by immediately sprinkling with a moderate amount of water.

HOTHOUSE BEDS.

Specially prepared earth is of course essential for hothouse work. In addition to this it has always been customary to use fluid decoctions made of various manures, the preparation of which was far from pleasant. These fluids really carry little plant food, and actual experience shows that with a good earth the liquid fertilizer can be quickly made from less offensive and more concentrated materials, or in large houses, the salts themselves may be incorporated with the earth, mixing one to one and one-half ounces sulphate of potash, one and one-half to two ounces acid phosphate and one to two ounces sulphate of ammonia with each cubic foot of earth, taking care that the mixing is very thorough. The solutions of food salts mentioned below are also frequently used in place of the liquids prepared from manures.

POTTED PLANTS.

As potted plants have at their disposal much less soil than those grown in the field, it is plain that the small supply of plant food in even the best potting earth will be used up in a comparatively short time, and the plant will suffer from lack of nutriment. Frequent repotting will furnish additional food, but at a high cost of labor. If this cost of repotting and the labor of preparing solutions from various animal manures can be avoided and at the same time as good or better plants can be produced, the matter is certainly worthy of serious consideration. After careful investigation Prof. Wagner of the Darmstadt station has shown that solutions of chemicals can be used even on those plants which do not respond favorably to the use of manure water.

PRECAUTIONS.

In making use of the solutions of chemicals, special precautions must be observed; first, the chemicals must not be the crude materials used in making fertilizers such as acid phosphate, kainit or tankage, which leave residues that are insoluble or contain side products that might injure the plant, but much purer materials such as nitrate of potash, phosphate of potash, etc., must be used.

Another matter that must receive attention in using these food salts is the

leaves. Ordinary water should be used for the plants at other times, and it is recommended that shortly after the plants have received the food salts they should receive a heavy watering or flushing. This is especially desirable with the more sensitive plants.

We believe that florists will find it profitable to look into this question of nutriment solutions and that there is a good field for some supply house to develop a profitable business by duplicating the Wagner food salts in this country.



AZALEA SIMON MARDNER.

Specimen Plant Grown by Frank Oechslin, Chicago

question of the concentration of the solutions as they are applied to the plants. When the food salts of the Wagner type are used it is customary to prepare from them a stock solution by dissolving two pounds of the food salts in five quarts of water. From this stock solution are made the dilute solutions for actual use. For such plants as grow naturally in light heath or moor soils, only the more dilute solutions are to be used; thus, azaleas, heather, camelias, begonias and orchids require a solution made by diluting three fluid ounces of the stock solution to ten quarts, while less sensitive plants may receive solutions made by diluting four and one-half ounces or six fluid ounces to ten quarts. These concentrations correspond approximately to two, three and four parts respectively of pure food salts in 1,000 parts of solution and care should be taken that no greater concentration is used. Freshly potted plants should not be treated with food solutions until after they become firmly rooted. The dilute solutions should be used once in each week and the quantity should be such as would be used in a moderate sprinkling. Care should be taken not to permit the solution to dry on the

Fire at Gould Greenhouses, Lakewood, N.J.

GEORGE J. GOULD AS FIRE CHIEF.

The brick boiler house of the greenhouses of George J. Gould at Lakewood, N. J., caught fire on the evening of January 13, and was destroyed, the fire spreading to one of the greenhouses. Mr. Gould was dressing for dinner when he discovered the fire and hastily throwing on a fur coat called the servants, and with the assistance of his son Kingdon and a guest, aided and directed them in manning the hose cart kept on the estate for such a purpose, until the arrival of the volunteer fire department of Lakewood. He then assisted in the removal of the rare plants that were in danger of being injured. After the fire had been overcome all the oil lamps and kerosene stoves obtainable were procured and placed in the greenhouses and a telegram sent to a heating firm to install a new boiler immediately in a temporary frame boiler house. The firemen were entertained by Mr. Gould with warm drinks, food and cigars and he thanked them heartily for their efficient work.

MINNESOTA, MINN.—The Minneapolis State Florists' Association will hold its annual ball at Royal Arcanum hall, 3011 First avenue south, February 19.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

St. Valentine's Day at Chicago.

While St. Valentine's day has never been considered one of the great flower days, yet the efforts of the retail stores to present their wares in the most artistic manner has had an effect on the young swains in the selection of their valentines and the business has increased wonderfully on this day during the last few years. Beautiful boxes and baskets in the shape of hearts, the symbol of the day, are now freely shown and the artistic corsages that are arranged to be placed in the boxes, find many purchasers and are received with favor by the recipients of these beautiful gifts for a valentine. Many of the stores arrange special window displays for the day and attract many buyers. Large quantities of bulbous stock are used in basket work and they make a most timely offering. A visit to the several stores found all in readiness and special features and preparations had been made by most of the dealers.

A. Lange had an immense stock of all the flowers adapted to this purpose. A feature here was the diminutive Panama hats beautifully arranged with small flowers which were attracting a great deal of attention from the buyers. An abundance of fine bulbous flowers were offered, both cut and in pans, and a display of well grown lily of the valley in pans was very attractive.

The Fleischman Floral Co. had a very attractive window, the heart shaped boxes being very elaborate and beautifully arranged hats and baskets were features. The artistically arranged corsages for which the house is noted were also well displayed. The other window contained well grown hyacinths in pans that were ornamented with harmonious accessories. Orchids, violets and other corsage flowers were liberally shown.

John Mangel showed beautiful basket arrangements and the old-fashioned or colonial bouquets were a feature.

H. C. Rowe in his new store on Monroe street had an attractive window, fancy boxes and baskets being well displayed.

The Alpha Floral Co. were on the alert for the Valentine trade, heart shaped boxes in red and other colors attracting the passers-by and a display of seasonable flowers that was sure to please the buyers.

Canger & Gormley had a nicely arranged window at their store on North State street, the bulbous stock being very attractively displayed.

W. J. Smyth on the south side arranged a very beautiful window of artistically arranged baskets and fancy boxes, with a very attractive line of accessories.

The Adams-Robertson Co. had a nice display of Valentine baskets and a full line of seasonable stock to attract the customer.

CAMBRIDGE, MASS.—Myer Wax, who conducts the flower store at 676 Massachusetts avenue, was married, January 29, to Miss Susan Rosenberg.

EAST ROCHESTER, N. H.—E. A. Corson has opened a store in the Colman block on Hanson street, which has been refurbished with up-to-date fittings.

Modern Methods of Salesmanship.

Paper read by Fred C. W. Brown before the Buffalo Florists' Club, February 6, 1912.

The florist of today finds many obstacles in the making of sales. He, therefore, should give careful thought and attention to the methods employed. Modernism and adaptability to existing conditions are most necessary. The first great and successful step in the changing of methods was when we began to realize that one must be on the plane of the prospective customer, so, to gain the confidence and respect of the buying public, we threw away our counters and met our customers on an equality that removed the store aspect, and in this we are pioneers in which I believe will be an almost universal method employed in the sale of the higher class merchandise.

Our salesmen are confronted by a peculiar condition in the judging of customers. There always has and does exist a feeling, even between florists, that one salesman is an adept at securing high prices; this feeling is often conveyed to the customer, when at some inopportune time they enter the establishment and are quoted flowers at a less rate than their regular clerk has been in the habit of charging; thus it is sometimes difficult to explain matters, particularly to the purchaser. The rise in price is justified, for we are dealing with people who want and can afford the now almost necessary luxury of flowers. Our man with modern methods somewhat overcomes this seeming raise of prices. He realizes that his purchaser is desirous of sending the best, and so he has by his ability to gain confidence in his superior knowledge of blooms,

to his remaining trade, to take the blooms as they come, unless he has raised his price to merit the special selection.

The modern salesman also has a delicate and exacting task to perform when there is necessity for what is termed "switching." A majority of our prospective buyers enter the store with only a desire to purchase "flowers." It may be flowers for a friend, flowers to wear, or flowers for a funeral, but there is no set decision on variety. Naturally the first suggestion on their minds is roses, or if the purse is small, carnations. Roses and carnations are scarce or our stock is short, but spring flowers are in abundance; so also are plants. Our modern man suggests a plant, he suggests spring flowers, he shows roses and carnations, but by suggestion he leads to the articles he desires to move and so he satisfies a customer and disposes of that which might be a loss. This is sometimes called "forcing," but if heavy persuasion or arbitrary tactics are used he will, though perhaps making a sale, lose a regular customer through thoughtless, overbearing methods.

The most noticeable changes are to be found in our methods of selling designs and flowers for memorial purposes. We are breaking very fast from the cumbersome and freak set design and are each day greatly adding to the demand for the artistic and beautiful wreaths and clusters. In some sections of the country and even in different sections of the same city some of our florists find great trouble in satisfying their trade with other than the old set piece, but a word to



LINCOLN WINDOW OF H. R. HUGHES, CHICAGO, FEBRUARY 12, 1912.

so trained or directed his trade that instead of receiving an order for a dozen of this or that, places it for a box of roses or flowers at the amount the purchaser wishes to invest. By this method the price is elastic, the salesman is enabled to pick from a jar the choicest blooms and supply to an exacting customer that which is perfect, where if he were to sell at dozen rates he is in duty bound, if fair

you, do not be discouraged, for remember that to which you were years in educating your public you cannot break them off in a day. Our modern methods are here waiting for some big strides in improvement and we must look carefully around to find if possible the best and safest means to prove to the buyer our contention that the "Gates Ajar" or "Broken Column" they have entered our store to order

is not as artistic, elegant or suitable as the rich basket, bunch or wreath. In this day of competition it is up to us to "show" them. We have at our hand the means to accomplish this, though very few seemed to have availed themselves of the results of the camera, by which means we are able to place before the eyes of our trade positive proof of our contention, that we can produce something more suitable and more elegant than the old solid detailed monstrosity.

Our trade is being elevated to its sphere. The elevating is tedious at times, but by perseverance and persistence we will evolve from the old to the new method. We must evolve, for though our tools are the hands of man, our material is nature's highest form of art, and though by mistaken mercenary methods we have created a demand for the ridiculous, we are surely leading back to nature's arrangement and are fast driving to oblivion our first errors. The floral photograph plays a most important part in this educating as well as greatly aiding us to secure the highest amount a purchaser desires to spend. The old method of wire frames, or a play on the imagination with the assistance of a tape line, are giving place to the graceful and true delineation of the camera lens, so that many now are able to place before their buyers a reproduction of work far more subtle in its persuasion than any word description.

Above all, remember in our elevating methods, that we are in our positions to serve the requirements of the customer, and to that customer, whether they come in with five cents or five dollars, is due courteous treatment. Deference will ever remain the strongest lever in modern methods of salesmanship.

Scale on Palms.

ED. AMERICAN FLORIST:—

I have lately taken over a small house of palms, some being badly infested with scale. Will you inform me of a good remedy to eradicate them?

ANXIOUS.

Sulpho-naphthol soap is used by many growers in cleaning plants of scale with good success and aphine is also recommended by those who have used it. Whatever is used care must be taken that the insect is well covered with the insecticide, even the young that are often found clear to the tip of the growth and also concealed in the axils of the leaves, and it is doubtful if one washing will exterminate the pests.

W.

Bachelor's Buttons for Winter.

ED. AMERICAN FLORIST:—

Will you kindly inform me how to grow bachelor's buttons for winter flowering.

B. C. R. K.

The seed should be sown in September or October, according to how early they are desired to bloom. In procuring seed the best double dark blue should be obtained as that is the only color worth growing under glass. As soon as large enough the plants should be potted and later planted in a bench where there is plenty of head room, the plants growing to the height of six feet. The temperature of a carnation house, that is, about 50° at night, is ordinarily considered the best for producing a good cut of flowers.

W.

THE ROSE.

Propagating By Cuttings.

I suggested in my last article getting the cutting bench or propagating house in readiness for a ship-shape start. That is repairing the benches, cleaning up thoroughly, and giving the benches a good lime washing—hot, fresh slacked lime, to which always add some sulphur while slacking.

cuttings if one prefers good stock than to let them bloom, as the buds on all such growths should be removed anyway. Make the cuttings with two or more eyes and cut them with a heel, the heel being where the cutting is removed from the previous growth close in. The growth should be allowed to just come up to a ripened stage just as the red tint leaves the foliage which is about the time the buds show color.



IMPORTED TERRA COTTA POTTERY AT W. J. SMYTH'S CHICAGO.

The sand used should be medium fine and sharp. Quarried sand only should be used, and it should be absolutely free of vegetable matter if fungus is to be avoided. Three inches of sand is about the proper depth for rose cuttings. The benches should be filled full and given a good watering, then pack as firmly as possible, then level off, water again and pound it down again and the sand is ready for the cuttings. Before going further we would say be sure that there is enough bottom heat to bring the temperature of the sand up to 65°, and to be accurate place dairy thermometers about 30 feet apart imbedded within an inch of the bottom of the sand. Curtains, thin boards or building paper should be used to inclose the heat. This is very important. A barrel should be let down in the ground at the center of the house out of the way, so as to have tempered water to use on the cuttings if no water heater is used.

February is one of the best times to take rose cuttings, especially from the middle of the month up to four weeks after that date. At this time the plants usually have made excellent young growth and the plants can stand for a little cutting for this purpose. If the plants have not recovered from severe cropping at the holidays it would be better to wait until they are in vigorous growth before taking off any wood. The wood to select should be, in our estimation, flowering wood, using the short-stemmed buds for this purpose. There are many short growths that set flowers that can be used to better advantage as

Remove the wood, a good armful, say, and place it on some clean paper in a cool shady place and sprinkle, turning the wood at the same time to insure thorough spraying. Use a very sharp knife and do not trim off any more foliage than is necessary—none whatever if you have plenty of space in the propagating house, except, of course, the foliage about two inches up from the heel so there will be no foliage touching the sand. Keep the cuttings sprayed until they are placed in the sand but do not place them in water. Use a flat strip of wood three inches wide to lay off the rows and open up the sand to within an inch of the bottom with an old table knife broken off so as to cut the proper depth. Again, be sure that the sand is firm, place the cuttings about an inch and a half apart in the rows and pack firmly with the finger tips. Put in small batches at a time and water, also mark where you left off. Label plainly and date label, reading from left to right.

In bright weather spray daily and shade as soon as the sun strikes them, using screens made of cheese cloth tacked to light frames or so arranged on wires overhead to work easily and be out of the way. Later on or in about three weeks the shading need only be used say from the middle of the morning till about three in the afternoon. Ventilate sparingly and avoid draughts. The temperature of the propagating house should be about 60°, night temperature, and not over 65 in the daytime. Keep a steady bottom heat and a regular tempera-

ture for a successful strike; give plenty of water until the cuttings start to make roots, then slow up gradually. Preparations should be made for potting off, counting about 25 days or thereabouts for rooting. With the proper care as to dates there will be little difficulty experienced in making a good strike. American Beauty requires a little special treatment. Select medium canes, and as there are always runners at this season, wood is easy to obtain. Use the eyes through the middle section of the canes as the butts will be overripe and the tops too soft; the center section gives uniform results. Trim the foliage and run the cuttings in the sand with the foliage to one side of the row and be sure that one row does not overlap the other. It is also a good plan to slant the American Beauty cuttings slightly so as to raise the foliage side a little. Use two eyes for the cuttings and trim close to the bottom eye, using an extremely sharp knife to avoid bruising as the wood is quite firm. Use only clean healthy wood, free from spider, mildew, spot, etc.

Just a few hints regarding the plants—do not "hit back" too hard for grafts (scions) or cuttings. Keep them tied neatly but do not crowd under the ties; give them plenty of liquid manure, add a little soot now and then to increase the color and to stiffen the growth. Use a little sheep manure occasionally—half the quantity if good strong manure, as in using cow manure. At this season a preliminary mulch of shredded cow manure spread lightly over the beds will help the growth wonderfully. Avoid feeding plants off color or slow in recovering from heavy cropping. A little nitrate of soda used judiciously may help here—one pound to 50 gallons of water.

Syringing should be carefully done if one is to keep the spider down during heavy firing, and do not forget to keep a crack of air on the houses whenever it is possible to do so. Do not forget to have a little sulphur around on the pipes about all the time and as stated above, get in some good fresh soil and have it warmed up and in readiness for the cuttings. Look out for the grafting case; do not be in too great a hurry about airing, etc.

E.

Blind Wood for Rose Propagation.

ED. AMERICAN FLORIST:

Can you tell me why it is inadvisable to use non-flowering wood in propagating roses? S. B.

As to the advisability of using blind wood in the propagating of roses, there are several technical reasons for poor results, but for plain facts after repeated trials we have come to the conclusion that blind wood will in time give much blind wood. The writer on one occasion planted a raised bench with stock propagated from blind wood—variety, Bridesmaid. At this time in order to get enough plants to stock the range the wood was taken quite closely and the blind wood kept separate from the flowering wood cuttings. There were 400 plants of the blind wood stock planted; in the same house on a table next to the blind wood stock were planted 400 plants of the stock propagated from flowering wood. When they started into growth in July there was a noticeable difference in the very first growth produced, very few buds on them in comparison

to the flowering wood cuttings, and throughout the summer months there was at least five times the amount of buds removed from the better wood than from the blind stocks. In mid-winter to look at the non-flowering wood they looked grand, as the foliage was dense, the plants taller and more uniform; yet they did not produce one flower to ten on the flowering wood plants which was conclusive to us as both benches received the same treatment throughout the season. A few years later we grafted blind wood with even worse results as an experiment in a small way.

Let it be understood that what we term blind wood was wood that was perfectly healthy which was propagated, or soft wood rose cuttings with no sign of bloom or buds at the tips, whereas the flowering wood was cut-flowering wood for cuttings, but abso-

lutely necessary for scions for grafting.

There may be some contention in regards to the blind wood being useless and we have heard the poor argument that most all American Beauty wood propagated is from blind canes. Yet we know of no variety of rose that throws less blind wood than American Beauty as these so-called blind canes will eventually throw a flower. So there seems to be very little foundation for argument regarding American Beauties. We think that when a rose is said to "run out" that its deterioration is chiefly due to carelessness in propagating. For proof of this the original plants of Bridesmaid bloomed profusely for years and years in the same bed, long enough, in fact, for the stock grown elsewhere to have the appearance of a has-been variety. We could write many convincing incidents showing the same results as stated



GLADIOLUS EUROPA.

tings taken with buds about the size of the finger tips—short-stemmed, too short, in fact, for the market. The cutting taken with a heel, the heel being the base of the growth where it joined the ripened growth. We never considered it necessary to use strong

above. The principal reason for blind wood to in turn revert to blind wood is obvious. One would not think of propagating wood from a barren fruit tree with the expectation of having an abundant crop from the resulting trees.

E.

THE GLADIOLUS.

GLADIOLUS EUROPA.—Wilhelm Pfitzer, the introducer, is more enthusiastic than ever about this white gladiolus.

Cutting Gladiolus Spikes.

The opinions of the growers of gladioli which appeared in the issue of February 3 of THE AMERICAN FLORIST are very interesting, but the experience of some does not coincide with mine, that is, in saying that the corms from which the spikes are cut for market are weak, exhausted and worthless. I have grown gladioli for 21 years and have sold nearly all the flowers, and of some varieties I have grown the same corms for ten successive years, cutting and selling the flowers, and they produced good spikes. I must add, however, that the spike must not be cut clear to the ground, for this would spoil the corm and it would be very small and worthless the next year, but by leaving two or four of the lowest leaves on the plant when cutting, these will continue to grow and remain green until frost, and these corms are better than those that have been grown to first size in two years by pinching out the spike and hastening their growth, which makes them oval or cone-shaped. Corms can be grown cheaper this way, and there are many of this kind on the market, but I much prefer the flat corms from which flowers are cut to the oval ones grown from bulblets. Nearly all gladioli will make flat corms after the second or third year, whether the spike is pinched out, grown for cut flowers or allowed to go to seed.

According to some of the statements it looks as if the florist who buys gladioli for cut flower purposes, should grow them but one year, cut the flowers and then throw the corms away. I certainly hope that brother florists will not have any such ideas, for if the spikes are cut as stated above, the corms will be good for many years. They can buy the full grown corms are the good, chunky, flat ones, about two inches in diameter. I do not think that florists will bother with bulblets; they can buy the full grown corm cheaper than they can grow them, for they have neither the time or the facilities to produce them.

One great feature in the culture of gladioli is not to grow them on the same ground year after year, for this would cause the stock to run out and so weaken them that they would be worthless. It is much better to change the place where they are planted every year, if it is possible. The planting can be carried back and forth so at least the same piece of ground will be planted to gladioli every other or every third year and this will meet with good results.

That the cutting of long stems and leaving no foliage makes the plant worthless the next year, is also true of peonies and if the plants are large the practice of doing this might injure them for many years or perhaps forever. The cutting of the foliage weakens the plant and it forces it to increase the number of eyes, consequently the weak plant has more growths to feed, and the shoots grow blind, but if one leaf is left on each stem when cutting the flower this will nourish

the plant and it will grow just the same as if the whole stem were left on the plant, and it will produce good flowers every year. H. W. KOERNER.

Retaining Foliage Makes Larger Bulbs.

In an article which appeared in THE AMERICAN FLORIST, issue of October 7, page 564, under the title of "Gladiolus Bulb and Flower Spikes," E. Y. Teas & Son of Centerville, Ind., state that gladioli bulbs that had not

conviction as to the beneficial effect of removing the flower spike, as to producing a larger corm, has been so pronounced that for years it has been my practice to remove the spike soon after blooming, so as to prevent the formation and maturing of seed. In doing so, however, I was careful to cut away only the bare spike, without removing any foliage, which is indispensable to the elaboration of the crude sap of the plant into its various forms of growth.



GLADIOLUS ROCHESTER WHITE.

been allowed to bloom, the spike being cut before any bud showed color, were found to be decidedly larger than those from which the spikes had been cut and the bulblets much more numerous. The following expressions of the opinions of celebrated growers of this flower in regard to this matter in addition to those which appeared in our issue of February 3, are very interesting.

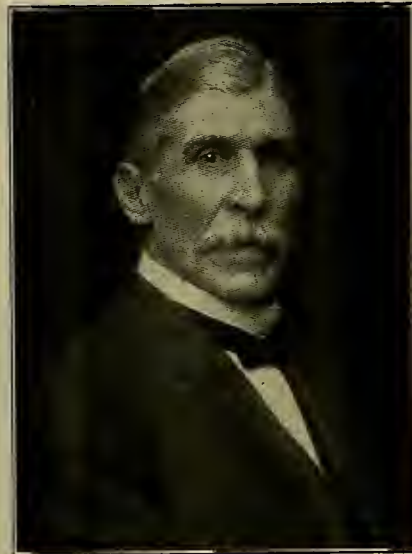
FROM WILBUR A. CHRISTIE, WARREN, O.

As to the effect on the production of cormlets, of removing the flower spike of gladioli, I would say that while I have never conducted any direct experiments to determine this point, my

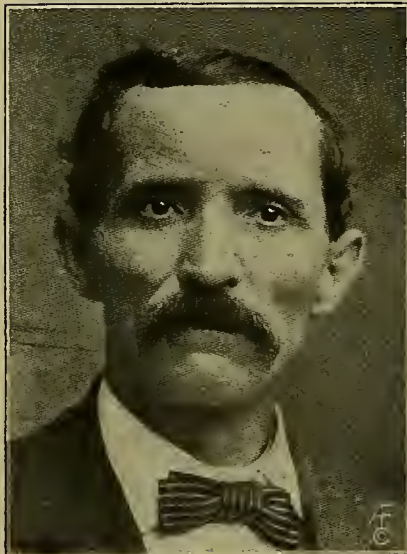
It is only common sense to suppose that if this supply be divided into two or three lines the net result in any one of these can not be so great as if the whole force of the plant were concentrated in that one direction. It is a well known fact that production of cormlets is greatest in young stock approaching the blooming stage, which yet do not bloom to any extent, and I have observed that the maturing of seed is much retarded in the case of individual plants, and in a general way, even of varieties, which produce a large number of cormlets. All considerations point to the conclusion that if the energies of the plant be confined to a single line, the net result, in that



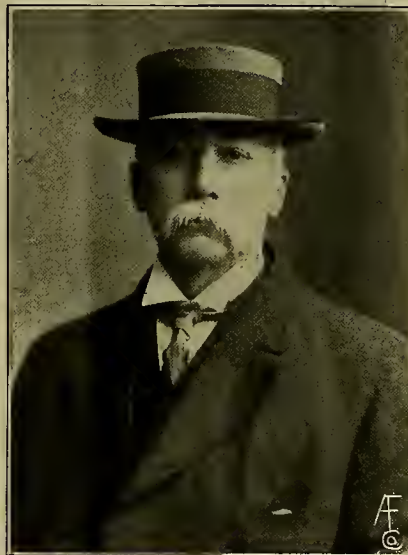
E. C. Ludwig, President-Elect.



E. C. Reineman, Vice-President.



John Bader, Trustee.



H. P. Joslyn, Secretary..



P. S. Randolph, Trustee.

SOME OF THE OFFICERS OF THE PITTSBURG FLORISTS' AND GARDENERS' CLUB.

line, will be greater than if the fixed available forces be diffused in two or more directions.

It would be a mistake to infer from this that the cutting of flower spikes for market, as commonly practiced, is beneficial to the plant. On the contrary, I believe it to be injurious. The reason is that to secure the length of spike now called for in market, a very considerable portion of the foliage is removed with the spike. It must be conceded that this is a great, indeed an irremediable, loss to the proper development of the plant. The effect may not be apparent in one season, but if continued it must without doubt lower the vitality and lessen in considerable measure the normal development of the plant.

WILBUR A. CHRISTY.

FROM ARTHUR COWEE, BERLIN, N. Y.

I have made experiments in the matter of cutting spikes before blooming after the first one or two flowers have opened and after the spike had developed all of the blooms and the results were as follows:

Those bulbs from which the spike was cut before any buds showed color and those cut when but one or two buds were opened showed no marked difference so far as size of bulbs was concerned, quantity or size of bulblets. Those spikes which were allowed to finish flowering produced somewhat smaller bulbs and bulblets. I could not say, however, that the number of bulblets was less. It makes a great difference how the spike is cut. If this is taken from the plant without removing or injuring the foliage there is no question in my mind but what the bulb will develop as well as if the spikes were cut directly below the first bud and before color shows. If, however, the flowers are cut with a long spike and more or less foliage taken at the same time, I believe this is a serious injury to the development of the bulb.

ARTHUR COWEE.

FROM H. H. GROFF, SIMCOE, ONT.

A variety that will not stand cutting the spike long enough to mature the buds on it is not worth growing.

The absurd demand of florists, that cut spikes must be about three feet long, makes it impossible for a grower to supply them with the bloom of a variety that he values highly, as such practice is certainly injurious to the plant, and it is the plant that makes the corm.

Scientifically, blooming and seed bearing are the greatest possible stress that can be laid upon plants, and many die after exercising this function.

Simcoe, Ont., Can. H. H. GROFF.

FROM I. S. HENDRICKSON, FLORAL PARK, N. Y.

Regarding the cutting of blooms of gladiolus, I would say that I always consider it a benefit to the bulb if the bloom is cut off, providing some foliage is left. This tends to increase the size of the bulb, as the strength is not used up in producing flowers and seeds.

ISAAC S. HENDRICKSON.

NEW CASTLE, IND.—Wm. Dittman has gone to Florida for a four weeks' stay.



THE NEW GRAND CENTRAL PALACE, LEXINGTON AVENUE, NEW YORK.

Where the Third National Flower Show Will Be Held.

Third National Flower Show.

NEW YORK, APRIL 5-12, 1913.

The Third National Flower Show of the Society of American Florists will be held in the New Grand Central Palace, Forty-sixth street and Lexington avenue, New York, April 5-12, 1913. The committee in charge are the National Flower Show committee: Charles H. Totty, Madison, N. J., chairman; W. P. Craig, Philadelphia, Pa.; W. N. Rudd, Morgan Park, Ill.; J. A. Valentine, Denver Colo.; Thomas Roland, Nahant, Mass.; W. A. Manda, South Orange, N. J., and the local governing board—F. H. Traendly, chairman; Harry A. Bunyard, Walter F. Sheridan, W. H. Duckham, and Joseph A. Manda.

The preliminary schedule of premiums for plants has been issued and includes 11 sections, and the plant premiums of the American Rose Society.

Section A—Groups, open classes has 17 classes for groups of aroids, amaryllis, acacias, azaleas, cinerarias, cacti, calceolarias, cyclamen, dracaenas, ericas, palms and herbaceous, economic and flowering plants. The premiums in this section amount to \$1,170—three silver cups, nine gold, three silver gilt and two silver medals, including a special premium by Arthur T. Boddington of \$100 for amaryllis, and a gold medal by H. F. Michell Co. for the most artistically arranged exhibit.

Section B—Flowering plants, has 52 classes which include specimen plants and displays of acacias, amaryllis, anthuriums; azaleas, Indica, mollis, and Pontica; camellias, clerodendron, cyclamen, chorizema, ericas, gardenia, genistas, heliotropes, hydrangeas, iliacs, marguerites, rhododendrons, rhyncospermum, primulas, spiraeas, wistarias, imantophyllum, pansies, phyllocactus and epiphyllum. The

prizes in this section amount to \$1,643, one silver cup and one silver medal.

Section C—Bulbous classes, has 12 classes including lilies, narcissus, tulips, callas and miscellaneous bulbs. The prizes amounting to \$414, and a silver medal offered by H. F. Michell Co. for best group of lilies.

Section D—Ferns and selaginellas, 14 classes, including adiantums, nephrolepis and ferns, the prizes amounting to \$303, one silver cup and one silver medal.

Section E—Orchids, has 28 classes for displays of several species and varieties with prizes amounting to \$910, four gold medals, three silver cups and three silver medals.

Section F—Palms and Foliage Plants has 34 classes, including the several species of palms, bay trees, box trees, crotons, dracaenas, ficus, nepenthes and stove and greenhouse

plants. The prizes amounting to \$1,092.

Section G—Miscellaneous Plants, has 17 classes, including asparagus, diffebachia, hollies, Japanese maples, conifer and new plants not in commerce, the prizes amounting to \$314, seven silver and seven bronze medals.

Section H—Miscellaneous, for private growers only, has 48 classes and includes specimen flowering and decorative plants for the most generally grown species, with prizes amounting to \$1,373, and two cups offered by Bobbink & Atkins valued at \$25 and \$50 for collections of dracenas and dwarf evergreens.

Section I—Ferns, seven classes, including adiantum, davallia, and other ferns, the prizes amounting to \$163.

Section J—Flowering Plants, Bulbs, contain 18 classes for flowering bulbs, hyacinths, lilies, narcissi and tulips, with prizes amounting to \$359, and two prize bulbs to the value of \$10 and \$5 offered by Fottler, Fiske Rawson Co.

Section K—Flowering Plants, Orchids, has three classes for displays and three plants cypridium, with premiums amounting to \$230.

The American Rose Society's premium list for rose plants has 23 classes for displays and specimen climbing, hybrid tea, hybrid perpetual and Polyantha roses, with prizes amounting to \$754, gold and silver medals and certificates for novelties and special premium of \$15 and \$10 for plant of Rose Silver Moon and Dr. W. Van Fleet offered by P. Henderson & Co.

The complete schedule which will include all cut flower classes of the American Rose Society, American Carnation Society, National Sweet Pea Society, American Gladiolus Society, National Association of Gardeners and kindred associations will be issued in August, 1912.

For schedules or information, apply to John Young, secretary, 54 West Twenty-eighth street, New York.

New York Florists' Club.

There was a fine attendance at the New York Florists' Club meeting Monday evening, February 12. This was carnation night and the members were entertained by President Richard Vincent, Jr., who gave a talk early in the evening on the benefits and importance of belonging to the Society of American Florists. Later he gave an entertaining lecture on "A trip through the South." A hearty vote of thanks was given Mr. Vincent. J. H. Pepper showed on the screen some fine pictures of the recent Detroit exhibition and J. A. Shaw showed some pictures he had brought from Bermuda.

There was more than 135 members present. Chas. H. Totty gave a splendid talk on the National Flower Show and reported that the contracts had now all been signed, sealed and delivered and the schedule was in the printer's hands and would be sent out at once. It was now up to every member of the club and every member of the S. A. F. to put his "shoulder to the wheel" to make this the grandest exhibition of plants and cut flowers this country has ever seen. Secretary John Young gave a detailed report for the executive committee as to the progress made in the "Organization of New York State's Floriculture interests." Several clubs signified their intention of sending delegates to Ithaca

for a conference at the call of the New York Florists' Club. President Joseph Manda appointed Charles B. Weathered and John Young delegates to represent the club. Chairman Weathered reported that the annual dinner and anniversary committee had completed arrangements for the annual dinner to be held at the Park Avenue hotel Monday, March 23, and that already several tables for six and eight had been engaged, and as the banquet hall could only accommodate 250 it looked as if those making late applications for tickets would be disappointed. The decorations are to be on an elaborate scale and a handsome silver souvenir will be presented to each lady.

Chairman Philip F. Kessler reported that the outing would take place on July 2, that the magnificent steamer Isabel had been engaged and Witzel's Grove was the place selected to hold the outing.

Chairman I. S. Hendrickson of the exhibition committee announced that the March meeting would be "Rose" and a grand showing of roses was expected on that evening.

Chairman Frank H. Traendly, for the transportation committee, reported that his committee had performed its duties as well as possible; that the trip was a grand success in every way and every one returned well and happy. The committee was discharged with the thanks of the club.

The change in the rules governing exhibits in the club rooms was laid over until the March meeting, but it seemed to be the unanimous opinion of those present that the rules should remain as they are.

Harry A. Bunyard read the resolutions prepared on the death of Frank R. Peorkowsky.

A letter of appreciation was read from Wm. F. Kasting for the club's action in supporting his candidacy for Commissioner of Agriculture.

The resignation of A. Bergerow, Newark, N. J., was accepted. A. C. Miller had provided the new vases and a trunk to keep them in at the club rooms, so the troubles of the exhibition committee in this respect are at an end.

The amendment to the by-laws was adopted, which permits the junior president to become a member of the board of trustees. The following were nominated for membership:

Richard R. Vincent, Jr., White Marsh, Md.; W. N. Rudd, Morgan Park, Ill.; J. A. Valentine, Denver, Colo.; W. F. Kasting, Buffalo, N. Y.; Oscar Boehler, Hoboken, N. J.; Peter Beuerlein, Elmhurst, L. I.; Max Richter, Rutherford, N. J.; George H. Mustor, Morristown, N. J.; F. C. Scherer, New York; W. C. Otte, West Hoboken, N. J.; George Cotsonas, New York; Frederick Smith, Woodside; Benj. A. Snyder; Wm. R. Nicholson, Jr., Framingham, Mass.; Patrick Welch, Boston, Mass.; J. Chevalley, Blue Point, L. I.; F. B. Abrams, Blue Point, L. I.; F. W. Armitage, Elizabeth, N. J.; William Sefton, Elizabeth, N. J.; Frank Witney, Fishkill, N. Y. The following were elected to membership:

J. C. Silbert, 46 West 26th street, New York; Henry M. Robinson, 15 Province street, Boston, Mass.; Thos. W. Head, Washington avenue; Bergenfield, N. J.; William Muir, 2 Main street, Yonkers, N. Y.; William Macdonald, 2 Main street, Yonkers, N. Y.; Arthur Buckholz, Greenpoint avenue, Woodside, L. I.; Paul Meconi, 55 West 26th street, New York; Joseph H. Vocke, 55 West 26th street, New York; G. F. Neipp, Catham, N. J.; Philip F. Foley, 26th street and Western avenue, Chicago; Frederick C. Read, 18 Chapel street, Orange, N. J.; Herman Mende,

Secaucus, N. J.; C. C. Trepel, 1124 Bedford avenue, Brooklyn, N. Y.; Robert Leach, Garfield avenue and Wilkison street, Jersey City, N. J.

A telegram was read from Benj. Hammond saying he had received fifty dollars in cash to help the amateurs to join the American Rose Society.

The committee on awards reported as follows: John F. Marsden, vases; C. W. Ward, White Perfection and Enchantress, vote of thanks; Cottage Gardens Co., seeding No. 618, preliminary certificate; Henry Weston, Pink seedling, thanks of the club; Peter Fisher, Gorgeous, preliminary certificate; Benora, preliminary certificate; Chas. H. Totty, Wodenethe, thanks of the club; Frank Nignet, Improved Enchantress, thanks of the club; Traendly & Schenck, Salmon Beauty, preliminary certificate; Frank E. Witney, Winsor sport, thanks of the club; A. L. Miller, Mrs. O. P. Bassett, thanks of the club; Chas. Weber, Lynbrook, L. I., Brooklyn, thanks of the club; J. D. Cockcroft, Northport, preliminary certificate; A. Begerow, seeding No. 2, thanks of the club; A. De Mensy, White Wonder, thanks of the club; Wm. Tricker, Lochenalia Nelsonii, vote of thanks; Wm. W. Matthews, Freesia Purity, thanks of the club; J. Lewis Childs, Calla Elliottiana, thanks of the club; A. J. Loveless, three vases Stocks Princess-Alice, Empress Elizabeth, Queen Alexandra, cultural certificate. Y.

Native Trees and Shrubs.

Part of a paper read by E. Bollinger, Lake Forest, Ill., before the Illinois State Horticultural Society.

The Ohio Buckeye is another of our native trees, although the flower is not quite as attractive as the European Horse Chestnuts, I consider it superior in form, quickness of growth and especially in the liability of hardness and for a small cottage place where a somewhat formal tree is required the Ohio Buckeye is a good tree. America has the most wonderful collection of native hawthornes. Prof. Sargent, who has given a great deal of his time to the study of this beautiful and useful ornamental tree, I understand over 300 varieties have been found and most all of them hardy. Where the place is extensive, a collection of these thorns should be used either as single specimens in connection with shrubbery border or grouped in masses in front of taller growing trees. These small trees are beautiful the year around, their flowers, fruit and wood, and in winter for color effect it has no equal. Next to the hawthorne is the wild crab-apple. This tree works in well with the haw and grouped with it we accomplish a harmonious effect.

The American wild plum, Bird Cherry, Choke Cherry and Black Cherry should be used in large planting in public parks and large estates where natural planting is desired. Remember the birds must have a change of diet as well as you. The American Mountain Ash is next in order. These small trees are useful in planting of private grounds and parks. It is especially adapted to hillsides and banks and if planted closely the effect when the trees are in blossom and after it fruits is most striking.

The June-berry with its tall slender trunk and small spreading branches should be used for natural planting in parks and large estates. Redbud or Judas-tree is a beautiful small tree, grows well in partially shaded situation and for this reason it is most use-

ful in the natural planting in front of other taller growing trees. The Honey Locust is one of those useful trees that enjoys city life and for this reason it is recommended as an ornamental tree in city parks and suburban lots. It is hardy and free from insect attacks; it is also useful to be planted along the country roads and for hedges. The Linden is another good street tree where the ground is not too hard and dry. It is a moisture loving tree and when planted near a lake, river or pond it will grow very rapidly and luxuriantly. The Black Walnut and Butternut for natural planting and larger estate and public parks are useful and elegant trees. These trees are disappearing very fast and farmers, gardeners and park superintendents should plant them; they grow as fast as the average shade tree after once established. They should be planted young, however. If you have a low wet spot to plant, remember the Pepperidge or Sour Gum (Tapele) will be at home there, but do not plant it in a too much exposed position; plant in a group sheltered somewhat from the north. The coloring of the foliage is superb in the autumn. This, together with Sassafras, Red Dogwood and Maple, present a beautiful color effect if planted in groups for that purpose. The Red Mulberry is another tree which should be more planted for its rapid growth where shade is required for the chicken yard or the hiding of rubbish yard, wood or manure pile and for undergrowth on the front of the larger trees, the mulberry should be used. In city parks where sandy soil and plenty of water is at hand the mulberry will grow very fast; it will do best if planted in masses. The willow family is too well known to dwell upon, also the poplar. The American Beach is another tree which has been very little used in ornamental planting. It is a beautiful tree, yet a very slow grower and perhaps for this reason it is not much used. This tree should be planted in company and in pure sweet soil; it grows well and is adapted for steep bank planting and yet when established once as single specimen in the lawn it grows into a well branched symmetrical tree. The Western Catalpa should find a place with the natural, ornamental and street planting. It is somewhat stiff, yet its heavy dark green leaves and large pencil of flowers and afterwards the beanlike fruit are a striking feature in ornamental gardening and if given plenty of space it grows very rapidly. The American Chestnut, *Castanea dentata*, although somewhat tender and slow growing in the eastern part of our state, yet if planted in a well protected situation it will live and thrive. The ornamentation of home ground and public parks in the Northwest owing to the fact that our summer season is so short and deciduous trees and shrubs are almost two-thirds of the season denuded of foliage, the up-to-date gardener the last few years has turned his energies to the winter effect, using mainly plants with bright colored wood or fruits and conifers.

The White Birch, the Red Dogwood, the Wahoo with its scarlet fruit, the Barberry, Indian Currant, Honey-suckles, Hawthorn, properly and artistically massed for color effect, brighten up the winter landscape most wonderfully. In natural planting we

may use to very good advantage the Bittersweet and Clematis virginiana, the former with its wealth of red fruit and the other with its white mist-like seed tufts. The Hishbush, Cranberry, the various kinds of native Viburnum, Witch-hazel and Sumach are good for winter effect, but above all the various kinds of conifers and broad-leaved evergreens. The arrangement of the various kinds of Conifers is a matter of opinion. Personally, I would not recommend the Pine or long-needed Conifers to be grouped in the same group with the Spruce or Arborvitae and Cedar; it seems to me there is a disharmony. In grouping the long-needed Conifers, only such varieties are to be used that are perfectly hardy such as the White Pine, Red Pine, Jack Pine and Mountain Pine, and Bull Pine. The pine must be planted in groups, the White, Red and Bull Pine as base and the Jack and Mountain pines to the front of the prospective point. It loves sand and protection from heavy winds. White Spruce, Douglas Spruce, Concolor and Balsam Fir, Western Hemlocks, Black Spruce and Red Spruce, White Cedar, Red Cedar and Blue Spruce should be grouped if space will permit. The color effect should be of first consideration, care should be taken not to use too many colors in one place. The Colorado Blue Spruce should only be planted at the ratio of one to ten, no more, the Golden Arborvitae about the same, the green needle varieties should be more or less grouped, each variety by itself, the taller growing variety as usual for base, the smaller variety nearer the prospective point. Pyramidal Arborvitae should not be used very much only as a relief perhaps, back at some distance from a Hemlock or Weeping Spruce. On smaller estates and town lots, single specimens of spruce and one or two White Birch will make a pleasing winter effect together with a few bright colored shrubs. Conifers for park planting should be chosen and grouped according to the area of the park, as the larger the area the more trees it requires to be grouped together. No deciduous trees or shrubs should be planted in front of conifers nor grouped among them. These two classes of plants are distinct and should be planted each by itself. If you must fill up the space, you may plant shrubs behind the group. Plant conifers somewhat closer with the idea of shifting them to some other place. However, plant those that are to stand permanently first and plant others between them. A great mistake is often made in grouping trees too close and without system. As the years go by and trees begin to crowd, transplanting is required, and often the rearranging of the entire group. Our American conifers are by far the best varieties for the Northwestern States, the Norway Spruce, Scotch, Austrian Pine and Oriental Arborvitae I would not recommend for ornamental planting; that is, many of them. For wind-breaks they can be used with fairly good success.

ST. JOSEPH, Mo.—The bowling team of the Stuppy Floral Co. won the pennant in the Apex bowling league and now occupy first place in the Academy league. They will compete in the American Bowling Congress tournament in Chicago in March and will also bowl a match with a picked team of the Florists' league of that city.

OBITUARY.

Thomas Totten, Sr.

One of the oldest florists in eastern New York died on February 6 at Daytona, Fla., in the person of Thomas Totten Sr. of Saratoga Springs. Mr. Totten had spent several winters in Florida and went to Daytona about three weeks before he was taken down with pleuro-pneumonia with which he was afflicted for a few days before his death.

Mr. Totten was born in Saratoga Springs on June 26, 1853, a son of Joseph and Anna Burns Totten. He was educated in the public schools of the village and in the Christian Brothers' academy, Albany. He began to learn the currier's trade which he did not like and later took up carpentry and finally the florist business in which he spent a large part of his life. He started in a modest way in 1874 and the following year formed a co-partnership with Charles Ludwig, who sold out to John Schafer. The firm of Totten & Schafer did business for 10 years in Saratoga Springs and Ballston. About 1885 the firm was dissolved, Mr. Totten taking the Saratoga part of the business.

Mr. Totten was a prominent Mason, being a member of Rising Sun Lodge No. 103, the Chapter, Council, Commandery and Mystic Shrine and also a member of the Saratoga Ruling, Fraternal Mystic Circle.

He is survived by his wife, his father, a half brother, William J. Totten; a son, Thomas, Jr., and a daughter, Mrs. Andrew Dunlavey. The funeral was held at 1 o'clock on Sunday afternoon, February 11, from his home in Saratoga and was in charge of the Masonic fraternity. R. D.

Daniel D. Herr.

Daniel D. Herr, proprietor of the Fairview Nurseries, Lancaster, Pa., and a pioneer nurseryman and florist of that section, died at his home January 29 at the age of 67 years, having suffered a stroke of paralysis the week previous. He was born upon the property on which he died and started the nursery business in 1876. He was director of the Manor Township Fire Insurance Company and Farmers' Fencing Association, and for many years a member of the township school board. He is survived by a wife and four daughters.

Kentucky Society of Florists.

The regular monthly meeting of the Kentucky Society of Florists was held Wednesday, February 7, at 8 p. m., at the store of H. Fuchs, with a good attendance.

As visitors, we had S. S. Skidelsky, of Philadelphia, and Mr. Van der Kolf, representing Keur & Son, Holland. Mr. Skidelsky gave us several pointers about the new roses and carnations he had admired at the Detroit Show, while Mr. Van der Kolf told us how the Dutch bulb growers are always trying to improve their strain of hyacinths, tulips and narcissus.

A very lively debate was held between President A. Rasmussen, and Vice-President H. Kleinstarink, about the relative beauty and usefulness of Danish and Dutch wooden shoes. So far it remains a draw. It was decided to wait another month before it will be voted upon if Louisville will endeavor to obtain the 1913 meeting of the S. A. F. H. Fuch's invitation to hold the next monthly meeting of the society at his store was accepted unanimously.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

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When sending us change of address always send he old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST, 440 S. Dearborn St., CHICAGO

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PROF. L. H. BAILEY will be the guest of honor at an early dinner of the Cornell University alumni in New York.

Personal.

E. H. Wilson, who has been connected with the Arnold Arboretum for the last 11 years, has been awarded the Victoria Medal of Honor by the Royal Horticultural Society of Great Britain in recognition of his distinguished services to horticulture.

W. A. Mandia has returned from Europe.

Honor for C. Harman Payne.

The French government in recognition of the many years' writing of C. Harman Payne in the French gardening press, has awarded him the honor of "Palme Academique," which carries with it the title of "Officier de l'Instruction Publique," being the first time the decoration has been bestowed upon an English horticultural writer.

Mr. Payne had already been twice honored by the French government, having been successively Chevalier and Officer of the Order of the Merite Agricole.

American Gladiolus Society.

Public notice is hereby given that the following varieties of gladioli offered by John Lewis Childs, Floral Park, New York, have been registered by the nomenclature committee of the American Gladiolus Society:

Gladiolus Alaska, 1911, now offered for the first time. A pure white variety, having a strong constitution and producing a long spike of well formed flowers. This variety was exhibited at the convention of the S. A. F., at Philadelphia, 1907, under number 27, and was awarded certificate of merit.

Gladiolus Silver Sheen, 1911. A fine white variety, the petals of which have the appearance of being overlaid with a coat of glistening silver. Very fine and effective.

A. C. BEAL, Chairman.

Parcel Posts.

That the senate committee on post offices and post roads will report a new and general parcel post law during the present session, is the opinion of W. A. Henry, Emeritus Professor of Agriculture, College of Agriculture, Madison, Wis., who has spent some time in Washington attending the hearings, and he further believes that the only way to get a general parcel post law from the present congress, is to have those interested, from this time on, pour in a steady flood of letters to their representatives in congress, pleading for the measure, for great interests, well organized, are bringing powerful pressure to bear against it. He states ten letters are worth a thousand petition-signatures and advocates the setting of some day in March or April to be called "Parcel Post Letter Day" when letters will be written to representatives in congress pleading for a general parcel post.

Chicago's Spring Flower Show.

George Asmus, who has been manager of the Chicago flower shows for years, will act in that capacity again for the spring show. He will open downtown offices this week.

Instead of competitive classes for retail florists the Horticultural Society has decided on non-competitive awards and placed the matter in the hands of a special committee.

A class for the best display of sweet peas has been added to the premium list, with \$10 for first prize and \$7 for second.

Inquiries for premium lists which have come in recently prove that the florists are awakening to the opportunities which the show offers them. The final premium list is on the press and will be put in the mails this week.

The Horticultural Society of Chicago has offered two silver and two bronze medals, and one grand silver and one grand bronze medal for competition

in the National Flower Show to be given in New York next year.

Advance information as to the extent of exhibits in the Chicago show will be greatly appreciated by the manager, as he has no experience tables to guide him in anticipating space requirements. J. H. BURDETT, Secy.

Federal Inspection Bill.

We are advised by Curtis Nye Smith with reference to the Federal Inspection Bill printed in our issue of February 10, and said to have been introduced in the House of Representatives January 15, 1912, that we "are misinformed, for the bill (H. R. 18000) really filed on said day is radically different." The copy of bill reproduced in our columns was received from W. P. Stark, of Stark Bros. Nurseries & Orchards Co., Louisiana, Mo., who has been prominently identified with this legislation in the interests of nurserymen. Copy of the bill actually filed can be secured on application to the reader's representative in Congress, requesting Bill H. R. 18000.

RECENT BOOKS.

*Commercial Rose Culture.

Of all the flowers produced at the present time for the florists' business there is no question but that the rose occupies the first position, and the culture of this flower has now reached a very high mark by the most successful growers. Among the growers Eber Holmes of Montrose, Mass., has been very successful and is regarded as an authority upon the cultivation of roses. He has just published a book entitled "Commercial Rose Culture" which fully describes the growing of roses for commercial purposes as well as the preparation required in conducting this business. It not only will be of great assistance to those now having a greenhouse plant but also to those intending to enter this branch of the business, for it includes the selection of location, styles and construction of houses, propagation and culture, insect pests and diseases, heating and business methods of cutting, marketing, etc. The seedling-inarch and nurse-plant methods of plant propagation adopted by the Bureau of Plant Industry of the United States Department of Agriculture are fully described. The culture of outdoor roses and the forcing and manipulation of Rambler roses is given in detail. The book is finely illustrated with halftones of the different varieties more generally cultivated, of the most desired styles of greenhouse construction for rose growing, and cuts explaining in detail the best methods of propagation. It contains 165 pages and 62 illustrations, nicely printed and bound in board, and is a valuable contribution to the literature of rose culture. Price \$1.50, postpaid.

*The Beginner's Book of Gardening.

For the person with a small garden and with a limited knowledge of the culture of plants and vegetables, The Beginner's Book of Gardening, by Harry Roberts, will be a good hand book and guide, for it contains accurate information that will enable beginners to grow ordinary flowers, fruits and vegetables with understanding and success, the culture of each kind being well described. The book is of 86 pages and contains 16 illustrations, and the directions, if followed, will enable anyone to make a success of their garden.

*We can supply any books here noted on receipt of price quoted.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As salesman in retail trade; first-class designer and decorator, experienced; good references. A GARDNER, 1326 Chicago Avenue, Evanston, Ill.

Situation Wanted—German gardener and florist married, age 34, life experience, wishes position as foreman on first-class private or commercial place. J. BAUER, 1326 Chicago Avenue, Evanston, Ill.

Situation Wanted—Landscape architect; gardener; practical man for executing plans in every department; references; single; sober. Address ROBERT GIESLER, R. D. Box 33, San Luis Obispo, Calif.

Situation Wanted—By Al rose grower (teas and Beautica); German, competent in all other cut flowers and choice pot plants, as working foreman; state wages. Address Key 565, American Florist.

Situation Wanted—Saleslady experienced in design work desires to secure a situation in a Chicago florist store; can also keep books. For further particulars address Key 573, care American Florist.

Situation Wanted—As gardener on private place; grower of first-class stock and fruit; single; German; strictly sober and a hustler; can take full charge. Address Key 574, care American Florist.

Situation Wanted—Experienced in carnations; chrysanthemums and general greenhouse work; I will accept reasonable wages; good references; total abstainer. Address Key 571, care American Florist.

Situation Wanted—By gardener, Scotchman, 35; private place preferred; greenhouse, grounds, vegetable and flower gardens; can grow and propagate any kind of perennial flowers; state wages. Address Key 559, care American Florist.

Situation Wanted—As working manager; will start at moderate salary with increase as to my character and ability; 17 years' experience in practical commercial greenhouse work; very highest references upon request. Address Key 575, care American Florist.

Situation Wanted—As gardener; 18 years' experience growing roses, carnations, mums, pot and bedding plants; greenhouse or outside work; age 30 years; single; good hand for all work or private place; steady position. Address JOSEPH F. CHONTAS, 34 Columbus Ave., Port Chester, N. Y.

Situation Wanted—Gardener with 14 years' experience in all branches, wants position in park, private estate, or with architect. Have experience in grading work, am able to execute planting plans and had also experience in nursery. Can furnish first class references. At present I am located in the west. Address Key 572, care American Florist.

Situation Wanted—Gardener (graduated), Farm manager, German, age 37, married, 22 years' experience in landscaping, floriculture, vegetables, fruit, agriculture. Best references as to ability, integrity, attention to duty, seeks position on private estate as head gardener or manager. State wages. Address GARDNER, 163 Carpenter St., Chicago, Ill.

Help Wanted—A young lady florist to help in store and office; give reference. Address Key 569, care American Florist.

Help Wanted—Young man with some experience in rose growing to work under foreman, 15 miles from Philadelphia. Address THORN HEDGE GREENHOUSES, Newton Square, Del. County, Pa.

Help Wanted—A competent rose grower on a commercial place near Chicago. Must have had experience with bench and pot roses. Also want an experienced palm grower. Address Key 561, care American Florist.

Help Wanted—A good blacksmith with a couple of hundred dollars can make a fine connection with a large greenhouse plant in Illinois; gilt-edge proposition; act quick. Address Key 666, care American Florist.

Help Wanted—A good all-round man, one who thoroughly understands growing and watering; position in an eastern city; married man preferred; references. Address Key 570, care American Florist.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL Great Falls, Montana.

For Sale—Three acres of land, 2 greenhouses, 15,000 feet of glass, hot water heat, modern house and barn. Write for particulars. Address C. H. MCCREEDY, Sta. D, Milwaukee, Wis.

Wanted

ROSE GROWER. Must come well recommended. None other need apply. Call on, or address,

SINNER BROTHERS,
516 Ridge Ave., CHICAGO, ILL.

Help Wanted

RETAIL SEED CLERKS

MALE or FEMALE—write experience and salary.

THE W. W. BARNARD CO.,
231-235 W. Madison St., CHICAGO.

For Sale

Restaurant with stores on well known nursery grounds near Chicago. This is a splendid opportunity for a married couple, as the man can find employment in the nursery while his wife looks after the restaurant which has fifteen to twenty steady boarders. This will bear the closest investigation and will be sold for cash only. Chance of a lifetime. For further particulars, address Key 562, care American Florist.

CIVIL SERVICE BOARD.

The West Chicago Park Commissioners.

Examination No. 17—HEAD FLORIST.

An Original Entrance Examination has been ordered for HEAD FLORIST, Class A, Grade III, Division Y, pay \$140.00 to \$200.00 per month. The pay assigned to the vacancy now existing is \$150.00 per month. The examination will be held at the Garfield Park Pavilion, Chicago, on February 27th, 1912, at 9:00 a. m. Application blanks may be obtained by addressing the Civil Service Board, Room 706 Wendell Bank Building, 1551 West Madison Street, Chicago, and must be returned to the Board before 5 o'clock p. m. of February 26th, 1912. All applicants must show proof of their having done at least 4 years of responsible work in propagating and horticultural and floral exhibition houses.

The subjects of the examination will be: Special Subject, weight of 6; Experience, weight of 3; Educational, weight of 1.

The Special Subject will be both oral and written, and will include questions on horticulture, botany and the care and propagation of plants for exhibition purposes.

The Head Florist is in full charge of the Garfield Park Conservatory and the propagating houses connected therewith. The outdoor gardens and flower beds in all the Parks in the System are also under his care. He is also required to prepare for and arrange special floral exhibits.

Examination No. 18—FLORIST.

An Original Entrance Examination has been ordered for FLORIST, Class 5, Grade II, pay \$2.25 to \$2.50 per day. The examination will be held at Garfield Park Pavilion on February 27th, 1912, at 9:00 a. m. Application blanks may be obtained at the office of the Civil Service Board, Room 706 Wendell Bank Building, or at the West Park Playgrounds. Applications must be returned to the office of the Board before 5 o'clock p. m. of February 26th, 1912.

Subjects of Examination: Special Subject, weight of 5; Experience, weight of 3; Physical, weight of 2.

The Special Subject will include an oral and a practical test in greenhouse work and written questions on the care and propagation of plants and greenhouse operations.

The duties of Florist are general work in the conservatory and propagating houses and in the outdoor gardens throughout the System.

FRED G. HEUCHLING,

January 31, 1912. Supt. of Employment.

Storeman

Capable of taking charge is desirous of securing a situation in an up-to-date retail store; good designer and an Al salesman; best of references; Middle West or Pacific Coast preferred.

Address Key 568, American Florist.

PARK COMMISSIONER

FOR TORONTO, CANADA.

Applications for the above named vacant position will be received by the undersigned. Applications should be accompanied with full particulars as to applicant's ability and experience, with testimonials, etc.

G. R. GEARY, (Mayor),

Chairman Board of Control,
City Hall, Toronto, Jan. 17, 1912.

For Sale == A Bargain.

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25 x 100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms.

Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Illinois.

Greenhouse Construction.

By Prof. L. R. Taft. Price \$1.50.

AMERICAN FLORIST CO.
440 S. Dearborn St., Chicago



THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

Dennison

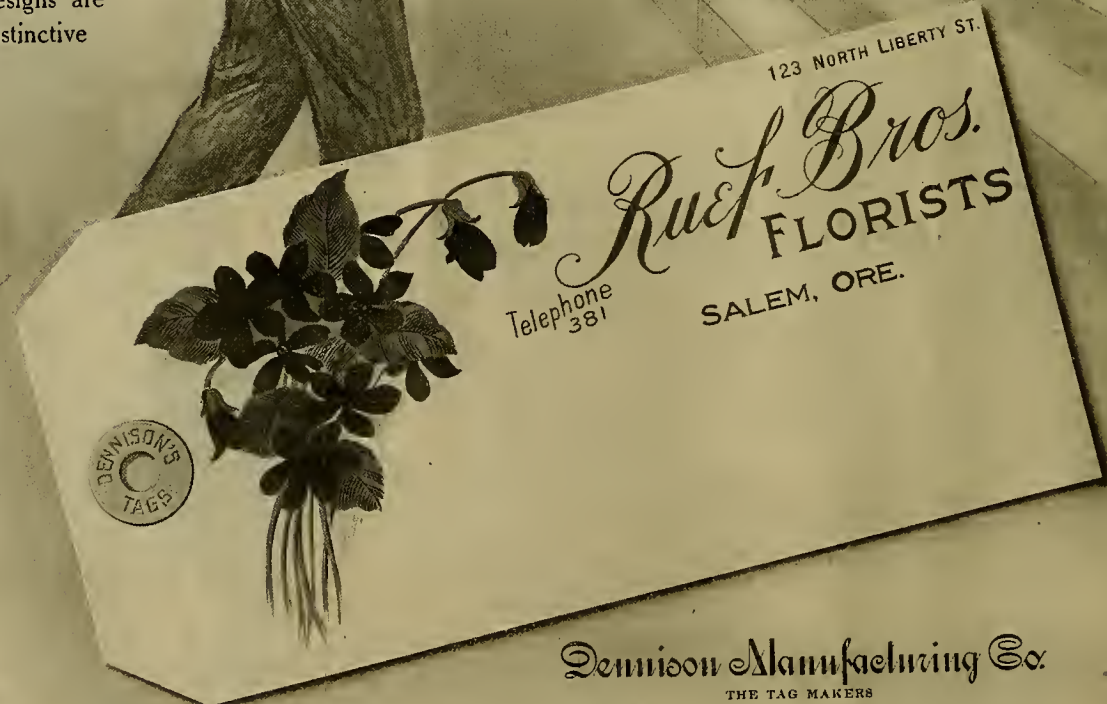
Florist Tags for Easter

Beautiful Flowers in an Attractive Box demand an Impressive Tag. When the package arrives, it is the Tag that receives the First Attention

"Whom are they for?"
"Where are they from?"

The Dennison Department of Design is at the Florist's service. If your Tag seems not in keeping with your shop, write to Dennison for samples, suggestions and a sketch

Dennison Florist Tags are made of a stock that water will not discolor. The printing is of perfect register; the designs are distinctive



Dennison Manufacturing Co.
THE TAG MAKERS

BOSTON NEW YORK PHILADELPHIA CHICAGO ST. LOUIS
26 Franklin St. 15 John St. and 15 W. 27th St. 1007 Chestnut St. 62 E. Randolph St. 413 No. Fourth St.

Announcement to the Wholesale and Retail Florists' Trade

We have Leased the
Entire First Floor of
the Coogan Building,
55-57 West 26th
Street. : : : : :



A. MOLTZ.

The Entire Floor,
through the remov-
al of the present
partitions, will be
changed into One
Unbroken Space,
and improvements
will be made. : : :

We will continue to occupy a large portion of this space for Our Wholesale Business, carrying our usual full line of Flowers, with the addition of a Full supply of

Gardenias and Cattleya Orchids.

We extend a Hearty Welcome to Our Patrons, Old and New, and will endeavor to serve One and All to the Best of Our Ability.

Henshaw & Fenrich, A. Sauter, Alexander J. Guttman, The Growers' Cut Flower Company, and several other Wholesale Florists who are at present occupying space on this floor will so continue. There is some desirable space still available for the conduct of a Wholesale Business, which can be rented on application to the undersigned.

Yours truly,

A. MOLTZ & COMPANY

COOGAN BUILDING

55-57 West 26th Street, NEW YORK CITY

Telephones 617 and 618 Madison Square.

LILIES

LARGE PERFECT FLOWERS, LONG STEMS, \$12.00 PER 100.

The Quality of Our Lilies Is the Admiration of the Trade.
No better or larger flowers have ever been received in this market.

Current Price List: Subject to market changes.

American Beauties

	Per doz.
Specials, 48-inch stems and over.....	\$5.00 to \$ 6.00
30 to 36-inch stems.....	3.00 to 4.00
24-inch stems.....	2.00 to 2.50
15 to 20-inch stems.....	1.50
12-inch stems.....	1.00

Carnations

	Per 100
Extra fancy red (Bassett).....	\$4.00 to \$5.00
Extra long fancy white.....	\$4.00 to 5.00
Extra long fancy Enchantress.....	3.00 to 4.00
Winsor.....	3.00 to 4.00

Bulb Stock

	Per 100
Easter Lilies..... per doz., \$1.50; per 100	\$12.00
Tulips, all colors.....	3.00 to 4.00
Daffodils, single and double.....	3.00
Lily of the Valley, per 100.....	3.00 to 4.00

Select Pink and White SWEET PEAS, per 100.....\$1.00

We Are Growers of All the Stock We Sell and Guarantee It to Be Strictly Fresh.

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago.

Greenhouses: Hinsdale, Ill.

Roses

Rhea Reid, Richmond, Pink Killarney,
White Killarney and Perle.

	Per 100
Specials extra select.....	\$12.00 to \$15.00
Long.....	10.00 to 12.00
Medium.....	8.00
Short.....	5.00 to 6.00

Greens

	Per 100
Asparagus, sprays, per 100.....	3.00 to 4.00
Sprengerl, per 100.....	2.00 to 3.00
Ferns, per 1,000.....	2.00 to 2.50
Smilax, per doz.....	2.00
Adiantum, per 100.....	1.00 to 1.50
Galax, green, per 1,000.....	1.00
Galax, bronze, per 1,000.....	1.00

Chicago.

STOCK MORE ABUNDANT.

With the exception of roses all kinds of stock are coming in more plentifully, especially is this so of bulbous flowers and carnations. Roses still are quite short of the demand and all the stock cleans up very quickly. Most of that coming in is of the longer grades and short-stemmed stock has been at a premium for some time. American Beauties are in as good supply as any of the varieties, but a large proportion of the receipts of these are the specials and longer stemmed grades. Killarney, White Killarney and the other hybrid teas and teas sell on sight. Carnations this week have been received in much larger quantities and they are of superb quality, excellent Enchantress, White Enchantress, White Perfection, Beacon Winsor and Washington being offered, and some specials of Gloriosa. White Wonder and Mrs. C. W. Ward are among the offerings. The prices, however, hold up very well, notwithstanding the increase in supply, for with roses so short the retailers turn to the carnations and in all probability until roses become more plentiful it will be easy to hold the prices firm. Bulbous stock is now being received in large quantities and most of the stock is of excellent quality. Tulips of all the colors, narcissus, both single and double yellow, Narcissus poeticus and hyacinths are offered by all the dealers, and large quantities are disposed of, and the retail stores look like a spring flower show. Lily of the valley is quite plentiful, the growers having a splendid supply of excellent quality for St. Valentine's day, and some very fine pans of this flower are to be seen in the retail stores. Sweet peas are also in large supply and the quality is fine and a large variety of colors

obtainable. Orchids are still in good supply and are sold at a price at which all the stores can afford to make fine displays of these exotics. Violets have been having a good sale and there has been enough to meet the demand, but the call for this flower was large for St. Valentine's day and as the shipments from the east on Monday were delayed, not reaching the city until late in the afternoon, many of the orders had to be shipped out without their quota of violets being included. Lilies are a little more plentiful and callas are to be had at all the stores. Freesia and mignonette of excellent quality are also offered. The supply of greens is none too plentiful, the bunches of asparagus, both plumosus and Sprengerl are picked up as soon as received. Hardy ferns are still very short; the stock on hand with the dealers is very low and the prices hold very firm. Spagnum moss is also very scarce, the stock on hand being entirely depleted and all shipments that are received are picked up as soon as the dealers hear of the supply.

NOTES.

Poehlmann Bros. Co. moved into their new quarters at 72-74 E. Randolph street February 10 and now have one of the finest equipped wholesale stores in the city. This makes the fourth large firm to locate on the east side of Wabash avenue within a year. Located on the second floor, they have much more light than formerly and the enlarged area gives them ample space to display their immense stock. The offices are located at the front of the store where the clerks have light and airy quarters. Tables extending across the store with an aisle on each side give plenty of room to sort the large daily receipts and convenient to transport the stock. Four large re-



American Beauties,
Roses,
Carnations,
Orchids, Gardenias,
Valley, Violets,
Daisies, Lilies, Etc.
Greens.
At lowest market rates

Weiland & Risch

154 N. Wabash Ave.,
CHICAGO.

Mention the American Florist when writing

refrigerators have been constructed on the left which will provide cold storage for an immense quantity of flowers. These are constructed in the best known manner, with cement floors to keep everything clean and fresh. To the rear are the packing rooms and freight elevators which open on the alley at the rear. Provision is made, by balconies and a low studded room over the shipping department, for storage of boxes and necessary supplies. A passenger elevator at the front opens at the street door and directly opposite the entrance to the

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

WE HAVE MOVED

To Much Better and Larger Quarters

And are now comfortably located in our New Store at **72-74 East Randolph Street**, where we will be pleased to give you the same efficient service that we have extended to you in the past.

We are now receiving a good supply of seasonable stock and would be pleased to fill your order for any item mentioned in the price list below.

CURRENT PRICE LIST

AMERICAN BEAUTIES.		Per doz.		Per 100
Long Special		\$ 6.00		
36-inch		5.00		
30-inch		\$3.00 to 4.00		
24-inch		2.00		
15-inch to 20-inch		1.50		
12-inch		1.00		
Short Stem, per 100		\$4.00, 6.00		
		Per 100		
RICHMOND, select		\$15.00		
Fancy		12.00		
Medium		\$8.00 to 10.00		
Good Short		6.00		
PRINCE DE BULGARIE, extra select.		\$20.00		
Select		15.00		
Medium		\$10.00 to 12.00		
KILLARNEY, select		\$15.00		
Fancy		12.00		
Medium		\$8.00 to 10.00		
Good Short		6.00		
MRS. AARON WARD, extra.		\$15.00		
Select		12.00		
Medium		\$8.00 to 10.00		
MY MARYLAND, select.		\$15.00		
Fancy		12.00		
Medium		\$8.00 to 10.00		
Good Short		6.00		
WHITE KILLARNEY, select.		\$15.00		
Fancy		12.00		
Medium		\$8.00 to 10.00		
Good Short		6.00		
PERLE, long		\$ 8.00		
Medium		6.00		
Short		4.00		
MELODY, long		\$12.00 to \$15.00		
Medium		8.00 to 10.00		
GOOD SHORT STEM ROSES.				
Our selection		5.00 to 6.00		
Our Extra Special Grade Roses charged accordingly.				
		Per 100		
CARNATIONS, fancy		\$ 4.00		
" first quality		3.00		
" splits		2.00		
ORCHIDS, Cattleyas, per doz.		\$4.00 to \$5.00		
HARRISII, per doz.		\$2.00		12.00
NARCISSUS PAPER WHITE.				3.00
ROMANS			2.00 to 3.00	
VALLEY			3.00 to 4.00	
VIOLETS, double. .....			.75 to 1.00	
VIOLETS, single, Princess of Wales.			1.00 to 1.25	
MIGNONETTE, large spikes.			6.00 to 8.00	
FREESIAS			3.00 to 4.00	
JONQUILS			3.00	
DAFFODILS			3.00	
TULIPS, all colors.			3.00 to 4.00	
NOVELTY TULIPS			5.00	
SWEET PEAS .....			.75 to 1.00	
ADIANTUM, short .....			.75	
ADIANTUM CROWEANUM, fancy.			1.00	
SMILAX		per doz., \$2.00		
SPRENGERI PLUMOSUS SPRAYS.			3.00 to 4.00	
PLUMOSUS STRINGS.		each, 60c		
FERNS		per 1,000, \$2.00		
GALAX		per 1,000, 1.00		
LEUCOTHOE .....			.75	
BOXWOOD, per bunch. .....		.25c		
BOXWOOD, per case.		\$0.50		
MEXICAN IVY.		per 1,000 6.50		.75

POEHLMANN'S FANCY VALLEY } We make these a specialty.
EXTRA FINE HARRISII LILIES } Can supply them all the Year.
 Once tried you will have no other

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

CARNATIONS

A Large Quantity of All the Leading Varieties in Red, White and Pink.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

Per Dozen		Per Dozen	
60-inch stems	\$5.00	24-inch stems	\$3.00
48-inch stems		20-inch stems	2.50
36-inch stems	4.00	15-inch stems	2.00
30-inch stems			

Killarney.

	Per 100
Extra special	\$12.00
Selects	10.00
Fancy	8.00
Medium	7.00
Good	6.00
Short stems	5.00

Richmond

	Per 100
Extra special	\$15.00
Selects	12.00
Fancy	10.00
Medium	8.00
Good	6.00

Jardine

	Per 100
Select	\$10.00
Fancy	8.00
Good	6.00

White Killarney

	Per 100
Extra specials	\$12.00
Selects	10.00
Fancy	8.00
Medium	7.00
Good	6.00
Short stems	5.00

Uncle John

Select	\$ 8.00
Fancy	6.00
Good	4.00

Roses, our selection

\$5.00

Carnations,

Special	\$4.00
Fancy	3.00
Good	2.00

TULIPS

\$3.00 to 4.00

FERNIS, per 1000, \$2.50. SMILAX, per doz., \$1.50 to \$2.
 ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.
 SPRENGERI, per 100, \$2.00 to \$3.00.
 ASPARAGUS SPRAYS, per 100, \$2.00 to \$3.00.

store. The enlarged space will give them room to meet the requirements of their increasing trade and enable them to more expeditiously handle the immense output of the vast range of glass. The removal was very expeditiously carried out, a large force from the greenhouses at Morton Grove coming in to assist the store help, and in a few hours the firm was at home in the new store with no apparent stopping of business.

When "Weilands," Inc., open their new store in the Venetian building the later part of this month it will be with one of the finest equipped retail establishments in this city. The floor will be of stone and the interior will be beautifully set off with fixtures in white, marble top counters, mirror effects and plate glass wall cases. The office with a mounted brass railing will also be something out of the ordinary and is being built to harmonize with the magnificent appearance of the store in general. A 30-foot conservatory in the court east of the Washington street entrance will be used for display purposes in addition to the numerous cases in the main entrance. The store also has an entrance from the lobby of the building and is located in the heart of the retail shopping district opposite Marshall Field & Co.'s famous store. Merchants on this street say that there are more carriages and automobiles pass in this one block, between Wabash and State streets, than in any other block in any other city in the world.

The Chicago Flower Growers' Association had a big St. Valentine's day trade and filled a large number of both local and out-of-town orders. Mana-

ger Frese says that the only disappointment was in the delayed shipment of violets from the east which made it necessary for him to cancel some of the shipping orders for these flowers that he had already booked. The shipments of roses are now much larger and some especially fine Killarney and White Killarney are the leading features this week.

The 15 bales of moss that Kennicott Bros. Co. received on February 12 proved to be such valuable property that the sergeant-at-arms was called to guard it against the many customers who claimed to be in great need of this stock. The entire shipment was sold shortly after its arrival.

Geo. J. L. Mohring, manager of the Edgewater and Rosehill branch of the Edward Hines Lumber Co., is well pleased with the results of his venture in the pecky cypress business and says that he has already filled some good sized orders.

Bassett & Washburn have a large assortment of fine bulb stock with red tulips showing up exceptionally well. Fancy Rhea Reid roses, O. P. Bassett carnations and a large quantity of choice Easter lilies are the chief offerings at this house this week.

Wietor Bros. are cutting a large quantity of carnations and are offering very fancy stock in all the leading varieties. N. J. Wietor is giving his new limousine a good test and is preparing for some long summer trips.

Henry Huffert had an order for a unique design this week, a large heart made up of red roses and lily of the valley, which was delivered to the home of a neighbor whose son was buried on St. Valentine's day.

Zech & Mann received an order from an out-of-town customer on February 12 that called for practically every flower that is in the market at present, or, as Allie says, everything mentioned on their bill of fare.

C. L. Washburn and A. T. Pyfer say that they are not yet quite sure whether Governor Deneen will or will not receive the visitors at the meeting of the Illinois State Florists' Association at Joliet on March 5.

Paul Bryant says that E. H. Hunt's salesmen are sending in some large orders for supplies for Easter and that trade in all the departments is picking up considerably.

Business at Peter Reinberg's the past week was good and kept Tim Matchen and his force of assistants busy filling many orders that kept coming in.

Wm. Lorman, A. L. Randall Co.'s hustling shipping clerk, has been doing jury service in Judge Barnes' court the past two weeks.

W. P. Kyle informs us that Mrs. Kyle recovered sufficiently so as to be removed from the hospital to her home on Monday, February 11.

Mr. and Mrs. Frank Manke have the sympathy of the trade in the loss of their eldest son, whose death occurred Wednesday, February 7.

The J. E. Deamud Co. is featuring fine tulips, lilies, violets and is receiving a large supply of greens of all kinds.

Fred Lautenschlager will leave soon to attend several meetings of trade organizations in the east.

Hans Yepson was operated upon last week at the Frances E. Willard Hospital.

FANCY BEAUTIES

Killarneys and Carnations

Quantity Large

Quality Best

CURRENT PRICE LIST.

AMERICAN BEAUTIES		Per doz.	MY MARYLAND, Special.....		Per 100	Harrisii Lilies,		Per 100
Extra long.....		\$ 5 00	Select.....		12 00	Valley	3 00 to 4 00	
36 inch stems.....		4 00	Medium.....		10 00	per doz., \$1.50 to \$2.00		
30 inch stems.....		3 00	Short.....		8 00	Violets.....	75 to 1 00	
24 inch stems.....		2 50	SUNRISE, Select.....		10 00	Sweet Peas.....	75 to 1 25	
20 inch stems.....		2 00	Medium.....		8 00	Paper Whites.....	3 00 to 4 00	
15 inch stems.....		1 50	Short.....		5 00 to 6 00	Tulips.....	3 00 to 4 00	
12 inch stems.....		1 00	MRS. MARSHALL FIELD			Romans.....	3 00 to 4 00	
Shorts.....		75	Special.....		10 00	Asparagus, bunch.....	2 00	
RICHMONDS, Special.....		12 00	Select.....		8 00	“ strings, 60c to 75c ea.		
Select.....		10 00	Medium.....		6 00	“ Sprenger.....	2 00	
Medium.....		8 00	Short.....		4 00 to 5 00	Smilax.....	1 50 to 2 00	
Shorts.....	\$ 5 00 to	6 00	PERLES, Special.....		10 00	Mexican Ivy.....	75	
KILLARNEY, Special.....		12 00	Select.....		8 00	Galax, bronze and green,		
Select.....		10 00	Medium.....		6 00	per 1000, \$1.00		
Medium.....		8 00	Short.....		5 00	Leucothe Sprays.....	75	
Shorts.....	\$ 5 00 to	6 00	Roses, our Selection.....		5 00	Boxwood, per bunch.....	.25c	
WHITE KILLARNEY, Special		12 00	Carnations, Fancy.....		3 00	Ferns.....per 1000, \$2.50		
Select.....		10 00	“ Good.....		2 00			
Medium.....		8 00						
Short.....	\$ 5 00 to	6 00						

PETER REINBERG,

30 E. Randolph Street,

CHICAGO.

The Geo. Wittbold Co.'s greenhouses at Edgebrook are completely filled with bedding plants, palms and ferns and every bit of space is crowded to the utmost with stock of all descriptions and sizes. The shipping trade is picking up and florists in all sections of the country are ordering bedding plants, rhododendrons, azaleas, lilac, spireas, japan maples and other forcing stock for Easter.

Curtis Kindler of the Raedlein Basket Co. has returned from a delightful visit to his firm's factories at Weidhausen and Ebersdorf, Germany, with 30 cases of florist's baskets in all shapes and colors. The goods are now on display at the firm's store at 713-717 Milwaukee avenue, and he extends a cordial invitation to the trade to call and inspect his line.

Adam Zender says that if the cold weather keeps on the growers in Rogers Park will find themselves without water, for the mains in some parts of this section have already frozen and it was with some difficulty that they were thawed out.

Herman Schiller says that one of the pipes in his firm's greenhouses broke one day last week and that the help had to do some tall hustling to make repairs before any of the plants were damaged by freezing. Fortunately, no loss was sustained.

Edgar Winterson is still hustling to get things in readiness for the spring trade and judging from the work that he is doing one would say that he is sure to succeed. Edgar is some stenographer and has a style of his own.

Weiland & Risch are offering fine quality gardenias, single and double daisies, lilies, carnations and Killarney roses.

J. L. Johnson of De Kalb called on his friends in this city this week.



ORCHIDS

and All Other Desirable Flowers

A fine stock of Cattleyas, Gardenias, Sweet Peas, Assorted Orchids, Valley, Violets, Beauties, and all fancy flowers always on hand. Decorative stock and supplies of all kinds.

Send for Price List.

CHAS. W. McKELLAR

162 N. Wabash Avenue,
CHICAGO.

Mention the American Florist when writing

BRANT & NOE FLORAL CO.

Grows Carnations Only. Nineteen years of direct shipments from greenhouses to retailers, at reasonable prices, is the cause of so many long satisfied customers.

We Know Our Business and do everything in our power to please. Send your orders. Get as good as the best, at first cost affording you a profit with patrons seeking your store again and again.

Write or Wire **BRANT & NOE FLORAL CO., 5744 Brantwood CHICAGO**

The annual meeting and exhibition of the Illinois State Florists' Association will be held at Joliet, March 5.

James Curran says trade on Archer avenue is pretty good and that he is having his share of funeral work.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

ROSES

OTTO W. FRESE, Manager.

PRICE LIST:

LARGE SUPPLY OF SHORT AND MEDIUM

VALLEY

Extra Fancy, \$3.00 per 100.

VIOLETS

Fancy Home Grown Fragrant,
\$1.00 per 100
Prince of Wales, \$1.00 per 100
Large California, 75c per 100
New York Doubles, 60c to 75c
per 100.

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.50	\$ 2.00	\$ 1.50	\$ 1.25
Killarneys.....per 100	12.00	10.00	9.00	8.00	7.00	6.00	5.00
White Killarneys.....	12.00	10.00	9.00	8.00	7.00	6.00	5.00
Richmonds.....	12.00	10.00	9.00	8.00	7.00	6.00	5.00
My Maryland.....	12.00	10.00	9.00	8.00	7.00	6.00	5.00
Perle.....	12.00	10.00	9.00	8.00	7.00	6.00	5.00
Maids.....	10.00	9.00	8.00	7.00	6.00	5.00	4.00
Brides.....	10.00	9.00	8.00	7.00	6.00	5.00	4.00
Carnations.....	3.00	2.00	1.50				
Easter Lilies.....	12.50	10.00					
Orchids, Cattleyas.....per dozen	6.00	4.00					
Lily of the Valley.....per 100	4.00	3.00	2.00	1.50			
Violets, Princess of Wales.....	1.00						
single and double.....	.75						
Sweet Peas.....	1.00	.75	.50				
Mignonette.....	6.00	4.00					
Romans.....	3.00	2.00					
Narcissos.....	4.00	3.00					
Tulips.....	4.00	3.00					
Jonquils.....	4.00	3.00					
Daisies.....	1.00						
Asparagus Plumosus Sprays.....	4.00	3.00	2.00				
Asparagus Sprengerl Sprays.....	3.00	2.00					
Mexican Ivy, \$5.00 per 1000.....	.60						
Smilax.....	12.50	10.00					
Adiantums.....	1.00						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.50						
Boxwood, 50-lb. case \$6.00.....bunch	.25						

H. R. Hughes has one of his characteristic window displays for Lincoln day. A life-sized statue of Lincoln by A. L. Van den Berghen, is surrounded by split rails, the axe of the "railsplitter" being prominently placed in one of them. It is certainly a very finished reproduction and Mr. Hughes regards it as one of the "classiest" he has ever arranged. The special St. Valentine's box is a beauty, and the nicely written folders describing both with catchy illustrations are bound to induce trade.

W. H. McCormick and Arthur Weatherwax, two of the W. J. Smyth force, have been absent from the store the last week, both being laid up with severe colds. A fine line of imported and domestic terra cotta and cement ware in new patterns occupies a prominent position in the store and attracts considerable attention.

Sam Slack, proprietor of the Edgebrook restaurant and rooming house, bought Otto Wittbold's cows and is going into the dairy business. Mr. Slack formerly had charge of a section in the Wittbold greenhouses, but resigned a few months ago when a rich relative in England died and left him a snug fortune.

The H. S. Morton store on East Thirty-first street was considerably damaged by fire on the morning of February 9 with a loss of several hundred dollars. The proprietor is planning on giving up the present store and moving into better quarters at Thirty-first street and Cottage Grove avenue.

Thos. Sullivan, of the Woodlawn Floral Shop, is still suffering from blood poisoning, but is on the job as usual, although both hands are encased in bandages. Mr. Sullivan blames Primula obconica for his misfortune and is advising his friends to stay as

far away from these plants as possible.

Chas. W. McKellar is receiving a few Cattleya Mossiae in his large shipments of beautiful Cattleya Trianae. The shipments of Denbrobium Formosum are much smaller as this variety is now going off crop. Mr. McKellar received his first shipment of single and double stocks this week.

The George M. Garland Co. is pretty busy these days getting out material for the many orders that it has booked. The Garland Co. has made much progress since it entered into the manufacturing business and is known the country over as the manufacturer of the gutter with a reputation.

John T. Muir has a beautiful line of bulb stock and the manner in which they are displayed in the windows is very attractive. Tulips, narcissus and hyacinths in boxes and baskets decorated with harmonious accessories tempt the buyer, and are having good call.

A. L. Vaughan & Co. are receiving a large assortment of bulb stock and the shipments contain some fine tulips and other desirable flowers. Mr. Vaughan says business was very good on February 9 and showed us that his firm filled four pages of shipping orders.

John Canger says that trade at Canger & Gormley's store is very good considering the present conditions and that the outlook is very promising. A neatly arranged window is always an object of interest to the public who pass by this store.

Wm. F. Schofield, the popular North State street florist, is a candidate for alderman of the Twenty-first ward on the Democratic ticket. His many friends in the trade wish him success and are already addressing him as "Alderman Bill."

John Sinner is pretty happy these days for the splendid Killarney that his firm is cutting are bringing top-notch prices. The stock that is seen at the store is of the first quality and is sold at an early hour.

L. R. Bohannon is the proud papa of a bouncing baby boy. The little fellow is a crackerjack, the finest in the trade, weighs 12 pounds and arrived last Friday, February 9.

The Chicago Carnation Co. is getting a lot of orders for rooted cuttings and is particularly well pleased to note that Washington is included in nearly every one that comes in.

Dwight L. Harris of the Pulverized Manure Co. is back from a successful visit in the east, where he talked with nearly all the dealers who handle Wizard Brand manures.

The E. C. Amling Co. experienced much trouble with their violet shipments from the east on Monday when the trains were delayed near Detroit several hours.

Hoerber Bros. take great pleasure in showing their customers their fancy carnations which Harry Manheim claims are the best in the market.

The Calvary cemetery greenhouses, under the watchful eye of Wm. Sauerland, is producing a fine grade of carnations.

Chas. Ussing, John Muir's right hand man, is out of the hospital and again is attending to his duties at the store.

Some of the growers are still experiencing much trouble in securing sufficient coal to heat their greenhouses.

Phil Schupp says that J. A. Budlong is now coming in crop with roses and will soon be cutting heavily again.

Emil Jehlik will leave soon for Hot Springs, Ark., to receive treatment for rheumatism.

George Reinberg has been suffering considerably the past week with rheumatism.

Roses, Carnations,

Double Daffodils, Jonquils, Tulips, Sweet Peas, Violets, Valley, Orchids, and Everything Else in Choice Seasonable Stock.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.
Long stems		\$ 5 00
30 to 36-inch stems		4 00
20 to 24-inch stems.....		3 00
18-inch stems.....		2 00
12 to 15-inch stems		1 50
Shorts.....		1 00
		Per 100
White Killarney } Special.....		\$15 00
Killarney } Fancy.....		12 00
Maryland } Medium.....	8 00 to	10 00
Richmond— } Short.....		6 00
“ } Special.....		15 00
“ } Fancy.....		12 00
“ } Medium.....	8 00 to	10 00
“ } Short.....		6 00
ROSES, our selection	per 100,	\$6.00
Lilies.....	per doz.,	\$1 50 to \$2 00
Callas.....	per doz.,	1 50 to 2 00

	Per 100
Carnations, common	\$2 00 to \$3 00
“ fancy	4 00
Cattleyas	per doz., \$5 00 to 6 00
Jonquils	3 00 to 4 00
Tulips	3 00 to 4 00
Valley.....	3 00 to 4 00
Violets.....	75 to 1 00
Paper Whites and Romans.....	3 00 to 4 00
Sweet Peas	75 to 1 50
Smlax.....	per doz., \$1 50 to \$2 00
Asparagus Strings.....	each, 75c
Asparagus Plumosus.....	per bunch, 25c to 50c
Fancy Ferns.....	per 1000, \$2 00 to \$2.50
Wild Smlax.....	per case, \$5 00
Boxwood.....	per lb., 25c; 50 lbs., 7 50
Mexican Ivy.....	75
Galax, green and bronze.....	per 100, \$1 00
“ “ “ “.....	per case, \$7 50

A. L. VAUGHAN & CO.

Long Distance Phone
Central 2751.

161 N. Wabash Ave., CHICAGO.

John Kruchten is receiving a large quantity of Marie Elise violets, the violets of royalty, as the eastern growers call them. The local trade is steering shy of this novelty and have not yet accepted it for its real worth, but it is sooner or later bound to attract the attention of the loop florists, who will likely feature it in their windows.

Frank Johnson says that the A. L. Randall Co. received so many inquiries in regard to the special offer of prepared magnolia leaves that his firm will extend the sale another week. A ribbon sale in the supply department is also attracting the attention of the local trade and some good bargains are being offered.

Kroeschell Bros. Co. had another rush job this week when it installed and connected a boiler in one of the greenhouses in this city three hours after one of the grower's boilers broke. Fred Lautenschlager says that his firm is always prepared for anything like this and is always on the job.

The Superior Machine & Boiler Works is preparing for a busy season and expects to sell a good many boilers this spring. A catalogue telling all the good points about their boilers will be mailed to anyone in the trade upon request.

Senator R. J. Barr, who secured the first appropriation for the Illinois State Florists' Association, and Mayor Allen of Joliet, will address the visitors who attend the annual meeting of the society in Joliet on March 5.

James Hartshorne has volunteered to escort the visitors to the Illinois State Florists' Association's meeting at Joliet on March 5 through the penitentiary and also promises to see that they get out safely.

Percy Jones and Henry Wittbold have taken a four years' lease on the entire second floor of the building that Percy Jones now occupies.

Chicago Bowling.

Allie Zech received a letter this week from Roy Currie of Milwaukee in which the writer invites the local Florists' Club Bowling League to play a match game in the Cream City when it finds it convenient to do so. The invitation will surely be accepted, for the boys have not yet forgotten the splendid treatment that they received at the hands of the Cream City florists on a previous visit. The club is now seriously thinking of appointing a committee to take charge of John Zech's bowling ball during the trip. Those who accompanied the team on its last visit will probably remember that he nearly lost one at the corner of Second street and Grand avenue just as the team was about to return home.

A picked team consisting of Allie Zech, Ernest Farley, Eddie Schultz, Chas. Balliff and Wm. Lorman trimmed up five of the North Side stars at a match game last Sunday at Bensingers' alleys and won two out of the three games played with a total of 111 pins.

The following table shows the number of games won and lost by each team to date:

Won		Lost			
Orchids	37	11	Roses	21	27
Carnations	22	26	Violets	16	32

Individual and team scores for games played Wednesday, February 7:

Violets.			Orchids.				
Connors	148	134	108	Vaughan	208	168	192
Abrahamson.....	115	106	169	Graft	166	155	151
Simon	154	135	144	Krauss	145	165	154
Goerisch	138	136	163	Huebner	187	140	165
Van G'ld'r.....	123	169	144	Foerster	163	152	157
Totals	678	680	728	Totals	869	780	819
Roses.			Carnations.				
Stack	124	121	123	Lorman	179	146	143
Schumann.....	163	105	162	Ayres	184	160	156
Welsh	180	149	197	Schultz	142	137	222
Wolf	154	159	179	Balliff	174	164	142
Fischer	191	160	150	Zech	176	140	151
Totals	792	694	821	Totals	855	753	814

Montreal.

A GREAT SCARCITY OF FLOWERS.
Flowers are scarce and retailers find it difficult to supply the demand, which is very good. Trade since the New Year has been all that could be desired; numerous functions, official and private, have kept everyone busy. The automobile show, which is going on at present, has created a large demand; one firm today cornered the whole available carnation output, that they might present a flower to every lady visitor. The growers are unable to even supply the demand for plants and the dealers are now for the first time shipping them in from the west. The greenhouses have not been nearly full since the holidays and bedding stock is being given plenty of room.

NOTES.

At the annual meeting of the Montreal Horticultural Society R. Burrows as chairman and the executive committee were re-elected. Three new members were added to the board of directors and it was decided to appoint a committee of three to confer with Prof. Blair of MacDonald College, St. Annes, with a view of holding in November a joint exhibition of all the allied societies in and around Montreal.

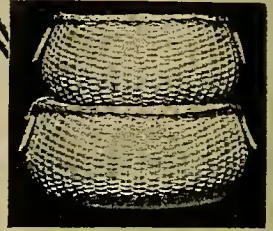
The annual dinner of the Montreal Gardeners' and Florists' Club was quite an enjoyable affair, about thirty-five being present. The talent was provided by the members and quite a few surprises were sprung. The speeches were all of an encouraging nature, especially those of the florists, who strongly urged every private gardener to go into business for himself. Wm. C. Hall made an able chairman.

Shamrocks for St. Patrick's day will be plentiful this year. Some of the vegetable growers have them by the thousands and some very good ones, too.

It's Not Too Late to get a good assortment of Raedlein Imported Baskets

For YOUR EASTER TRADE

You can safely leave the selection of the baskets to us, because we are in business here to stay.—We want your patronage both now and in the future, therefore we will do our best to please you. Let us send you one of our



Easter Assortments from \$5.00 up

A nest of fine willow fern baskets, like those shown here, stained either brown or green, will be included if desired; also one or two of these beautiful rattan baskets for plants or cut flowers. Send us your check for the amount you wish to spend—we will immediately ship the assortment to you. If you don't like the baskets when they arrive, return them to us and we will promptly refund your money. These baskets are all newly imported stock—no left-overs in our assortments.

No time to lose, so send your order today to

The Raedlein Basket Co., 713 Milwaukee Ave.,
CHICAGO

E. F. WINTERSON CO.

166 N. Wabash Ave.,
CHICAGO

Wholesale Cut Flowers and Green Goods.

Construction gangs of electric companies are doing great damage to shade trees by wantonly butchering them beyond recovery. They claim that the right was given them by the legislature, but we think that the city gardener should be consulted and his men do the work.

The sympathy of the craft is extended to C. A. Smith, whose wife died recently. The funeral was attended by numerous friends, being by far the largest funeral ever seen in Lachine.

The committee of the Canadian Horticultural Association will meet in this city March 18 to arrange for the coming convention next August and transact other business.

Several elaborate decorations have already been ordered for St. Patrick's day.

LUCK.

Greenwich Horticulturists.

The regular meeting of the Westchester and Fairfield Horticultural Society was held in Greenwich with 114 members present and President Stuart in the chair. Visitors were Chas. H. Totty and M. C. Ebel of Madison. R. Marshall, E. Newbrand and P. Miller of Boston. All came to verify the truth of the glowing accounts heard of the growth of our society and went away perfectly satisfied. Mr. Totty's informal talk on novelties for 1912 proved most interesting to all; his perfect frankness in giving us not only the good but also bad points of new blooms has won for him our entire confidence, and growers will certainly find it to be to their advantage of following the same policy. Having been told of the magnificent prizes to be won at the great national show of New York, our boys are already getting busy for Fairfield and Westchester.

A smoker was in order and refreshments served, the whole well seasoned with appropriate songs, speeches and stories; words of cheer from Mr. Newbrand, of praise from Mr. P. Miller and of wonder by Mr. Scott; E. Mitchell was the star singer, followed by Messrs. Brown, Marshall, Foster, Wilde and many others.

"The Busiest House in Chicago"

HEADQUARTERS

For Wild Smilax, Boxwood, Asparagus Plumosus Sprays,
Asparagus Sprengeri Sprays, Fancy Chicago
Grown and Choice Eastern Violets.

J. B. DEAMUD CO.

160 N. Wabash Ave.,

CHICAGO.

A splendid exhibition was made with the following results:

Certificates of merit to C. H. Totty for carnation Wodenethe; Scott Bros. for carnation Wm. Eccles. Cultural certificates to Thomas Aitchinson for carnation Beacon; R. Allen, two vases mixed blooms; A. Wynne, three plants Stocks Beauty of Nice; R. Allen, three plants cactus cineraria. Highly commended to A. Wynne for two specimen schizanthus. Vote of thanks to A. Wynne, vase of single stocks; W. Grearson, amaryllis; A. Bieshke, hybrid freesias and margarites; A. Patterson, sweet peas; J. Burns, carnations; P. W. Popp, schizanthus; J. Foster, vegetables.

Three medals, gold, silver and bronze, were given the society to be competed for at the next fall show, by C. H. Totty, for three best blooms of Mrs. George Burke. O. E. A.

Albany, N. Y.

At the February meeting of the Albany Florists' Club held on the evening of February 1, a communication was read from John Young, secretary of the New York Florists' Club, calling attention to the need of a state organization and asking the local club to send two delegates to a convention to be held at the New York State Col-

lege of Agriculture, Ithaca, N. Y., to perfect plans for the proposed body. The club voted to send President Fred A. Danker and Frederick Goldring, former president, to the meeting at Ithaca which will be held at a date to be announced later. President Danker announced the appointment of some new committees as follows: entertainment—Louis H. Schaefer, Patrick Hyde and Frank Bilson; finance—Frank Williams, Frank M. Briare and C. A. Sullivan; sick—Samuel Goldring, Patrick Hyde and John A. Murnane, Jr. A letter was read from Mrs. John Ralph, Saratoga, thanking the club for a floral piece sent to the funeral of her husband who died on January 7. Mr. Ralph was a member of the club and a well known florist in Saratoga.

Fruit growers in the Hudson valley will meet in Poughkeepsie on February 22-23. The Masonic temple has been secured for exhibits of various kinds, including 150 boxes of apples from the State Experiment Station at Geneva. The list of speakers includes Prof. E. P. Felt, state entomologist, and others eminent in the field. A banquet will be held in connection with the gathering. E. C. Gillett, Penn Yan, is secretary of the organization.

The funerals of Senator Thomas F. Grady in New York and Assemblyman

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House,

66 E. Randolph Street,

CHICAGO.

Everything in Cut Flowers and Supplies.

We have received so many inquiries in regard to our special offer on choice prepared Magnolia Leaves that we have decided to extend the sale another week. Get your order in today. Choice prepared Magnolia Leaves, \$1.50 per hamper.

Mention the American Florist when writing

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.

— SEND FOR PRICE LIST. —

FLORISTS' SUPPLIES TOO.

131 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

183-165 N. Wabash Ave Chicago
L. D. Phone Central 466.

We will have anything in the line of

CUT FLOWERS and GREENS

that you may want if anybody has it at Chicago market prices on day of shipment.

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

B. R. Lansing at Rensselaer the past week brought a considerable number of funeral orders to local florists. For the funeral of Thomas Totten, Sr., a large order was given to Fred A. Danker by Mrs. Totten. R. D.

West Grove, Pa.

The fire at the Dingee & Conard Co, February 5 was not so serious as at first reported. The sheds were damaged and ends of the greenhouses burned, but through the efforts of all hands much of the stock was saved and the business unimpaired. The construction of a new plant will be begun immediately in a new location nearer the railroad, of what will be one of the most modern greenhouse institutions devoted to the mail order trade in the country. Manager P. J. Lynch hopes to have a portion of the plant ready for occupancy by April 15.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

Geo. Reinberg

Wholesale Florist

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing

Wholesale Flower Markets

	CHICAGO, Feb. 14,	Per doz.
Roses, Beauty, specials,		6 00
" " 36-in		5 00
" " 30-in	3 00@	4 00
" " 24-in		2 00
" " 20-in		1 50
" " 18-in		1 00
" " 12 in		75
" " Short		Per 100
" Killarney		4 00@ 6 00
" White Killarney		4 00@ 15 00
" Richmond		4 00@ 15 00
" Prince de Bulgarie	10 00@	20 00
" Mrs. Aaron Ward	8 00@	15 00
" My Maryland	4 00@	15 00
" Perle	4 00@	8 00
" Melody	8 00@	15 00
" Bride	4 00@	15 00
" Bridesmaid	4 00@	15 00
" Uncle John	6 00@	8 00
" Mrs. Jardine	4 00@	10 00
" Mrs. Marshall Field	4 00@	10 00
Carnations		2 00@ 4 00
Cattleyas	per doz.,	4 00@ 6 00
Dendrobium Formosum		5 00@ 6 00
Daffodils		3 00
Gardenias	3 00@	4 00
Lilium Harrisii	per doz.,	2 00@ 2 00
Mignonette		6 00@ 8 00
Paper Whites		3 00
Romans	2 00@	3 00
Sweet Peas		75@ 1 00
Freesias	3 00@	4 00
Stocks, single	per bunch,	1 00
double		1 50
Tulips	3 00@	4 00
Valley	3 00@	4 00
Jonquils		3 00
Violets, Single		75@ 1 25
Double		75@ 1 00
Adiantum Croweaum		1 00
Boxwood	per bunch,	25
Ferns	per 1000,	2 00
Galax bronze		1 00
green		1 00
Leucothoe		75
Mexican Ivy		75
Plumous String	each,	50@ 60
Smilax	per doz.,	1 50@ 2 00
Sprenger, Plumous Sprays	3 00@	4 00

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.

Store, 162 N. Wabash Avenue CHICAGO

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Percy Jones

56 E. Randolph St., CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

Washington.

CONTINUED COLD WEATHER.

There is no change worthy of note in the condition of business. The cold weather continues and continual care is necessary in packing and transporting stock, even for short distances. There is now quite a demand for jonquils, tulips and other spring flowers. Much of this latter class of stock is now being used in table decorations.

CLUB MEETING.

The monthly meeting of the Florists' Club was held in the rooms of the Association of Bank Clerks on the night of February 6, President Mayberry in the chair. The nomination of officers for the ensuing year was the principal business. David Grilbortzer was nominated for president; Otto Bauer for vice president; O. A. C. Oehmler was renominated for secretary, and W. F. Gude renominated for treasurer. As there is no opposition that we know of, these nominations may be considered equivalent to an election. A few lines concerning the nominees may be in order.

David Grilbortzer is a native of Alexandria, Va., but as a birthplace is one event in a man's life with which he has nothing to do, nobody has ever found fault with Mr. Grilbortzer for being born in Alexandria. Being born there, he thought he might as well stay a while and see how business turned out, for he came of that old Dutch stock that has always had the business instinct highly developed. To be as brief as possible, after he left school he worked a while for J. Louis Loose, the well-known florist. After that, just to show Mr. Loose that he had learned something, he went across the street and erected about 100,000 square feet of glass, where he now successfully grows all the staple varieties of tea roses and carnations.

Otto Bauer is manager for the Washington Florists Co. He was formerly in business for himself on Fourteenth street, N. W. He is an excellent store man and has brought popularity to the store of the Washington Florists Co.

O. A. C. Oehmler is the leading designer and decorator in the store of Gude Bros. Co. In his leisure hours he writes "little pieces" for some paper, the name of which we cannot now recall. He is a clever man and has been a good secretary.

Wm. F. Gude—but why proceed? Mr. Gude is so well known among the florists of the country that it would seem unnecessary to say a word about him. But, "lest we forget," it may be said that he is a past president of the Society of American Florists and the resident representative of that society. There is nothing of interest to florists but what enlists his sympathy and support. He has been president of the Washington Chamber of Commerce and stands high in the Masonic order, but he never forgets the boys that worked with him in the greenhouses when they all "labored much for little pay."

President Mayberry has appointed Wm. F. Gude, Otto Bauer and John Robertson a committee to confer with the school board in regard to naming a flower for the schools, to be known as the District of Columbia flower for 1912.

The Florists' club's meeting March 5 will be known as carnation and rose night. Many of the local growers have arranged to stage their flowers. The club cordially invites all growers to exhibit at this meeting. Shipments should be made so that they reach Washington not later than 6 p. m. of that date and should be addressed to O. A. C. Oehmler, secretary, 1214 F street N. W., Washington, D. C.

A. F. F.

—THE—

J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Wholesale Flower Markets

CINCINNATI, Feb. 14.	
Roses Beauty.....per doz., 1 00@ 5 00	Per 100
" Bride, Bridesmaid.....	3 00@ 8 00
" Killarney.....	4 00@12 00
" My Maryland.....	4 00@12 00
" Perle.....	4 00@ 6 00
" Richmond.....	4 00@12 00
Carnations.....	3 00@ 4 00
Freeseias.....	3 00@ 4 00
Lilium Giganteum.....	15 00
Lily of the Valley.....	3 00@ 4 00
Narcissus.....	3 00
Jonquils.....	4 00
Sweet Peas.....	75@ 1 00
Violeta, double.....	75@ 1 00
single.....	75@ 1 00
Adiantum.....	1 00@ 1 50
Asparagus Plumosus..... per bunch.	25
Asparagus Sprenger..... per bunch.	25
ST. LOUIS, Feb. 14.	
Roses, Beauty, medium stems.....	20 00@25 00
short stems.....	2 00@ 4 00
" Bride, Bridesmaid.....	3 00@ 4 00
" Killarney.....	00@10 00
" My Maryland.....	00@10 00
" White Killarney.....	5 00@10 00
Carnations.....	2 50@ 3 00
Callas.....	10 00@12 50
Easter Lilies.....	10 00
Valley.....	3 00@ 4 00
Asparagus Sprenger.....	2 00@ 3 00

European Horticulture.

FROM THE FRENCH TRADE PAPERS.

How to Mulch a Flower-bed.—It is a general practice to cover the soil of a bed or border with a layer of manure, often with such bad results that midsummer comes before the plants have made a respectable growth. The cause of this seems to be the differing temperatures of soil and atmosphere. The earth, too often mulched soon after planting, before the roots have established themselves, and before it has become thoroughly warmed by the sun, remains cold, the covering prevents evaporation or penetration of heat and thrifty plants cannot result. The proper procedure is to wait until the bed is thoroughly established, then mulch lightly with a fine short manure, the coarse litter being too unsightly. After mulching, waterings should be given with discretion.

On Sacking Fine Fruits.—It is generally agreed by European growers of fancy fruits that protection by means of bags is a necessary operation. In the case of pears and apples, this should be done after one or two sprayings with a mild spray, and a small hole should be made in a corner of the bag for ventilation and drainage. In the case of grapes, if sacked when small, the bag must be provided with a wire ring to prevent contact with the berries, or burning may result, also the lower end must be left open. The sacks may be attached with soft twine or raffia, but best of all are small strips of lead which may be pressed around the bag and stem, and may be used repeatedly. This will prove much the speediest process.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1816 Pine St., ST. LOUIS, MO.
Both L. D. Phones.
Supplies and Everything in Season always on hand

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

THE MUNK FLORAL CO.
Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.
Columbus, Ohio

Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio
Wholesale Growers of
EASTER LILIES, Ferns and
Decorative Greens
Write for prices
Telephone West 562.

C. E. CRITCHELL
34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

FLORISTS' GREENING PINS
Saves you time, worry and money. Use them once and you will never be without them. (Sample free.) 10 lb. box (about 10,000 to 11,000 pins) \$1.50.
GEO. H. ANGERMUELLER, Wholesale Florist
1324 Pine Street, ST. LOUIS, MO.

New Pansy Forms.—Several years ago the Germania race of pansies was introduced, and is still remarkable for its large blotched flowers which have their petals curled and undulated in the most attractive and irregular manner. New sorts are being selected and propagated, such as Psyche, velvety violet blue, with wide white border; Hero, which resembled Beaconsfield, lavender and purple, but with the ruffled petals. The Globe is a dwarf compact plant bearing quantities of light or dark blue flowers, large and so ruffled that they appear double.

The Effect of Tarring Roads upon Vegetation.—A general inquiry into the possibility of the dust from tarred roads injuring the surrounding vegetation has just been made in Germany, to the conclusion that it has usually no unfavorable effects. A French writer comments that while it is undoubtedly injurious to certain plants, it exists in so much smaller quantities than common road dust that the effects on foliage do not differ greatly.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

Cincinnati.

CARNATIONS IN GOOD SUPPLY.

The market has changed considerably since the last writing. Instead of being tight there is now enough of almost everything. A single line alone is really short of the call and that is roses. The supply of all sizes of these is far below requirements. American Beauties alone seem sufficient. It is this scarcity in ordinary roses that has enabled other flowers to attain the high prices which they have held. This is particularly true of carnations. Now this flower is coming in more abundantly every day and at the end of last week a sudden slump in the demand caused an unexpected accumulation. This week, although Monday took up more than an ordinary amount still the offerings could not nearly be cleaned up. There will be plenty of flowers for St. Valentine's day. The supply of sweet peas, and it might be added elegant ones too; violets, both double and single, and lily of the valley and orchids is large. Toward the end of last week these lines moved somewhat slowly. The supply of bulbous stock is easily adequate, a considerable part of the call for this line has shifted to carnations, since the latter have become so plentiful. The green goods market is enjoying a fine demand.

NOTES.

Ed Buschle, the popular clerk at C. E. Critchell's, has the sympathy of his many friends in the trade in his bereavement due to the death of his mother the early part of this week.

A. B. Murphy's home was visited by the stork last week, a baby boy arriving at the house.

C. E. Critchell had quite a run on Southern smilax last week.

Visitor: Milton "Americana" Alexander of Lion & Co. H.

Cleveland.

COLD WEATHER DEPRESSES BUSINESS.

Zero weather continues in this vicinity and numerous are the shipments of flowers that are frozen in transit; 12° and 18° below are the reports from growers on the outskirts of the city. The cold has a depressing effect on business, also, and during the past week it has been a little slow up to Saturday, when a remarkably good day's business was done at all the stores. Killarney and White Killarney roses continue very scarce, and many a "bridal bouquet of roses" is eventually made up of something else, as not enough can be had for neither "love nor money." American Beauties are more plentiful and are used in place of pink roses in many instances. Carnations are very plentiful this week; Easter lilies and callas also are coming in large supply. Novelties clean up daily. Pink and white sweet peas are quite plentiful; lily of the valley and orchids move very nicely, some very choice stock coming in fresh every day. Boxwood is still being used in quantity and the stock is getting low with the wholesalers. Southern smilax was in good demand for decorations the past week. Bulbous stock of all kinds is plentiful and sells at lower prices than formerly. Advance orders for St. Valentine's day show up very promising. C. F. B.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 3209. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.



A Good Place to Buy Cut Flowers, Palms, Ferns

Bulbs and Florists' Supplies. Write next time you need anything C. C. POLLWORTH CO., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Feb. 14,

Roses, Beauty..per doz., 1 50@ 6 00	
" Killarney.....	5 00@12 00
" Richmond.....	5 00@12 00
" White Killarney.....	5 00@12 00
Carnations.....	2 00@ 4 00
Lilium Giganteum.....	12 50@15 00
Lily of the Valley.....	3 00@ 4 00
Paper Whites.....	3 00
Snapdragons.....per bunch,	35@ 75
Stevia.....	2 00
Violets.....	75@ 1 00
Adiantum.....	1 50
Asparagus.....per string,	50@ 75
" Sprengerii, per bunch,	25@ 35
Ferns, Fancy.....per 1000,	2 00
Galax, green.....per 1000,	1 50
" bronze.....per 1000,	1 50
Smilax.....per doz.,	1 75
Wild Smilax.....per case,	5 00

St. Louis.

ROSES SCARCE.

Stock has been coming in the last week in good supply, but everything has cleaned up nicely every day. Roses still remain very scarce and are held at premium prices. The weather was cold and snow has fallen, yet all of the retailers report a good trade. Prospects are bright for St. Valentine's day; all the retailers are looking forward to a good trade on this day, for the people seem to observe it more every year.

NOTES.

Geo. H. Angermueller is getting some very choice lilies and expects to have a big crop for Easter. These lilies are as fine as ever came into this market.

Wm. C. Smith Wholesale Floral Co. held their annual reception to the local growers Saturday last and everybody had a most enjoyable time.

Grimm & Gorly inserted an advertisement in the local papers advertis-

Seattle Cut Flower Exchange

909 Post St., SEATTLE, WASH.

Everything in Cut Flowers, Greens, Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

RICE BROTHERS

Wholesalers of Cut Flowers and Florists' Supplies.

Minneapolis, Minn

ing a special violet corsage at \$2.50 for the grand opera.

The Metropolitan Floral Co. advertise a special sale of violets for St. Valentine's Day.

H. G. Berning is receiving some fine roses and a good supply of American Beauties.

C. A. Kuehn is handling some fine My Maryland and Radiance roses. W. F.

SACO, ME.—Geo. L. Mahoney, the well known florist of this city, was married to Miss Elizabeth S. Cleaves of Kennebunkport, February 1.

KANSAS CITY, MO.—The greenhouses of the S. Bryson Ayres Co., at Sunny Slope, 10 miles east of this city, were destroyed by fire January 28, the loss being \$7,000. The greatest loss was the new winter flowering scarlet Spencer sweet pea, which was being grown for seed to be introduced the coming season. This was one of the finest winter flowering sweet peas, being remarkably waved and fluted. The seed houses were located some distance from the greenhouses, so the business will not be inconvenienced.

The New Carnation, BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities

THE NEW "HELEN" PINK A beautiful Deep Pink after the style of the old William Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit" Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber

GROWER,
Lynbrook, Long Island, New York

R. G. WILSON

Fulton Street and Greene Avenue
BROOKLYN, N. Y.

CHAS. H. TOTTY

Madison, N. J.

Rooted Carnation Cuttings of Mrs. C. W. Ward and Alma Ward

\$3.50 per 100; \$30.00 per 1000. Delivery Feb. 1.

Both varieties are too well known to require any description. Most growers who bought cuttings last spring are growing them successfully. The flowers continue to be in favor with the retail trade and command the best prices. Also almost all the Commercial Varities on the market today.

THE LEO NIESSEN CO.,

Wholesale
Florists,

N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

Philadelphia.

COLDEST WEATHER EVER EXPERIENCED.

Zero weather and below has been our lot the past week. In the memory of the oldest resident there has not been experienced such a continuous spell of cold weather. Water pipes three feet in the ground have been frozen, as have also gas pipes. Both have been broken by the strain and much damage caused by the escaping water and gas. The walking has been terrible on account of the slippery pavements and has had the effect of keeping shoppers within doors and interfered with the transient trade. There has however been a fair demand as the social season is in full swing with dinners, balls and other social affairs occurring nightly. Roses are in splendid shape, that is the Killarneys, white and pink. Four-fifths of the rose supply are Killarneys. They are the rose par excellence and there is nothing else in sight worth considering. American Beauties are very scarce. The specials are quickly picked up at good prices; the other grades are disappointing in every way. A few good Bridesmaids are seen occasionally which seem to find a market. Liberty is also offered in limited quantities and sells fairly well. Carnations are in splendid form and are as much in demand as usual for the season. There is an avalanche of daffodils, good flowers, which are sold at very low figures. Quantities are moved every day. Tulips have been a great disappointment. The bulbs, owing to the dry weather last summer in Europe, did not make a good growth and all growers say they will not get the cost price of the bulbs out of them. Orchids and gardenias are in full supply and are for the most part sold at fair prices. Violets have advanced on account of Valentine's day demand. Sweet peas of excellent quality are seen in large quantities and sell as well as anything. All kinds of greens are scarce and sell out clean daily. Potted plants are seen in variety but do not move very fast. Most of the stores have stocked up for Valentine's day, as a pretty plant in flower makes an acceptable gift for cupid's day. Heart-shaped boxes and baskets with arrows are seen in the

Wholesale Flower Markets

PHILADELPHIA, Feb. 14.		Per 100
Roses, Beauty, extra	40	00@60 00
first	20	00@30 00
Brides and Maids	4	00@20 00
Killarney	4	00@20 00
White Killarney	4	00@15 00
Liberty	4	00@20 00
Callas	12	00@15 00
Cartleyas	35	00@50 00
Daffodils	2	00@3 00
Gardenias	per doz., 2	00@3 00
Lilium Harrisii	10	00@15 00
Lily of the Valley	3	00@5 00
Marguerites	75	@ 1 50
Narcissus Paper White	1 50	@ 2 50
Snapdragons	6	00@15 00
Sweet Peas	75	@ 1 50
Tulips	2	00@3 00
Violets, single	1	00
double	1	00
Adiantum	1	00@ 1 50
Asparagus	per bunch, 50	
Smilax	15	00@20 60

windows of the retailers, many of them tastefully filled with sweet peas, violets, lily of the valley, orchids, gardenias, etc. A round of the commission men finds them more or less busy and satisfied with the business doing.

NOTES.

Eugene Bernheimer is proud of the products of the large houses at North Wales. He says no greenhouse stock ever looked better than it is seen here. Carnations planted in solid beds from fifteen to thirty feet from the glass are growing with as much vigor as they do out of doors. The vast expanse of glass in these houses has stood all kinds of rough weather, heavy snows, ice, violent and sudden wind storms and are as staunch as ever and easily kept warm in the coldest weather.

Mr. Meehan of the S. S. Pennock-Meehan Co. says that all special stock sells up pretty clean and that they could use more medium roses as the growers sacrifice most too many of the shorter grade and get a lot of weak-stemmed long ones which do not bring any more than good flowers of shorter lengths.

Walter P. Stokes, who has been under the weather for some time, is recuperating in Bermuda. He is ex-

pected back in time for the spring rush, which commences in early March.

The Leo Niessen Co. say they can see an increase over last year and that all good stock in the various grades seems to find a market. They are handling a fine lot of Japanese lilies which are now a staple all the year round.

The active members of the Florists' Club are a bit proud of the last monthly meeting. It was a hummer in every respect and a few more like this and others of the past year should materially add to the membership.

Berger Bros. are doing well with the new rose Princeton. They like their new location and the increased room of their new quarters and say they could not have handled their present business in the old place.

Edward Reid says things are all right out of town. A large shipping trade enables him to keep his stock going out as fast as it comes in. A splendid lot of sweet peas are one of the features here.

W. F. Baker is getting about again slowly. His hard fall of two months ago jarred him badly. His first lieutenant, however, has things in hand nicely and says that the business is all right.

J. D. Eisele returned last Saturday from abroad and reported a very pleasant and satisfactory trip. The novelties will follow later.

Alfred Campbell is strong on asparagus and maidenhair which just now are much in demand. K.

ST. LOUIS, Mo.—The trustees of the Missouri Botanical Garden state in the annual report that plans are completed for the erection of the coming summer of one of the largest plant houses in the world at a cost of \$135,000.

PALM BEACH, FLA.—Madge Dolan, of Grand Rapids, Mich., is in charge of Foster & Foster's flower booths at The Breakers and the Royal Poinciana hotels here. Roses, lily of the valley, orchids, gardenias and violets are shipped here from Philadelphia, being on sale the third day after shipment. Ferns and asparagus are supplied locally.

Young Rose Stock

FOR SALE.

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock. Write for prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonal stock.

Pittsburg.

COLD WEATHER HAMPERS TRADE.

The intense cold weather is still injuring trade to a great extent, although a few big jobs have been executed during the last two weeks. All the stock is now more beautiful, especially carnations. American Beauties are still very shy and violets are not over plentiful. Fine cattleyas are begging for buyers.

NOTES.

The Florists' Club held a very interesting and enjoyable meeting February 6. "Carnations" was the subject and many blooms were on exhibition. Chas. H. Totty of Madison, N. J., came on with a bunch of his "Wodenetha," which created quite a stir, for they were fine. The election of officers resulted as follows:

- E. C. Ludwig, president.
- E. C. Reineman, vice-president.
- H. P. Joslin, secretary.
- T. P. Langhams, treasurer.
- John Bader, T. P. Langhams and P. S. Randolph, trustees.

An appetizing lunch was afterward served and the meeting broke up about 11 o'clock.

M. T. Stafford, manager of the Randolph & McClements Penn avenue store, says he is glad the cold weather keeps his windows frosted, as he has been so busy he has had no time to arrange window displays.

Lorch & Hoffmeister have moved across the street, opposite Kaufmanns' department store. A new ice box is ordered and they expect to have a very neat store as soon as things can be arranged.

The Zieger Co. had several Valentine parties that called for some original decorations. Jack Trampton of this firm is back, having been compelled to be away on account of sickness.

Paul Randolph is growing some very nice sweet peas and single violets at his place in Verona, which find ready sale at both stores.

C. H. Puhlman, Carnegie, has taken his son in as a partner and the firm name now is Puhlman & Son.

Louis Beil is again back with E. C. Ludwig, having charge of his Diamond street store.

Boston.

COLD WEATHER DEPRESSES THE MARKET.

The city is in the throes of an arctic winter. The thermometer below zero has been the regular thing. The carnation market has gone to pieces. The flowers were never seen in better shape, but the weather man gets kicks and cuffs for destroying the market. From \$7.50 per 1,000 to \$2.00 per hundred are the present prices, with but few takers. We read about heroes, but it takes a hero to start with his flowers on a cold morning with an empty stomach and face the present market, not to mention the coal burning propensities of the average fireman. We are sorry to state these facts, but we like to give the plain, unvarnished truth. Roses are still scarce and are picked up upon their arrival in the markets. Everyone is waiting for something to turn up.

NOTES.

The smilax, lilies and Princess of Wales violets handled by Bernard McGinty are seldom equaled, and Wm. Hannan & Son of Dorchester and H.

Wholesale Flower Markets

BUFFALO, Feb. 4.		Per doz.
Roses, Beauty, special.....		6 00
" " fancy.....		4 00
" " extra.....		3 00
" " No. 1.....		2 00
" " No. 2.....	50¢	1 00
Per 100		
Bon Silene.....	3 00@	4 00
Perle.....	5 00@	8 00
Maid and Bride.....	5 00@	8 00
Pink Killarney.....	6 00@	15 00
White Killarney.....	6 00@	15 00
Richmond.....	6 00@	15 00
My Maryland.....	5 00@	12 10
Carnations.....	2 00@	3 50
Callas.....	10 00@	12 00
Catt eyes.....	30 00@	50 00
Daffodils.....	2 00@	3 00
Gardenias.....	15 00@	25 00
Daffodils, Single.....	2 00@	3 00
Lilium Longiflorum.....	10 00@	12 00
Lily of the Valley.....	3 00@	5 00
Mignonette.....	2 00@	3 00
Narcissus Paper White.....	2 00@	3 00
Romans.....	2 00@	3 00
Stevia.....	1 00@	1 25
Sweet Peas.....	50¢	1 00
Tulips Yellow and White.....		4 00
Violets.....	40¢	60
Adiantum Croweanum.....	75¢	1 50
Asparagus, per bunch.....	35¢	50
Asparagus Sprengerl.....	35¢	50

PITTSBURGH, Feb. 14.		Per 100.
Roses, Beauty, special.....	30 00@	40 00
" " extra.....	15 00@	25 00
" " No. 1.....		10 00
" " Bride Bridesmaid.....	3 00@	8 00
" " Chatenay.....	3 00@	8 00
" " Killarney.....	3 00@	8 00
" " My Maryland.....	3 00@	8 00
" " Richmond.....	3 00@	8 00
Carnations.....	3 00@	4 00
Cattleyas.....		50 00
Lilium Longiflorum.....	10 00@	12 00
Lily of the Valley.....	4 00@	4 00
Oncidiums.....	3 00@	4 00
Sweet Peas.....	50¢	1 00
Violets, single.....	35¢	50
" " double.....		75
Adiantum.....		1 00
Asparagus Sprengert, per bunch.....	35	
sprays.....per bunch.....	35	

BOSTON, Feb. 14.		Per 100
Roses Beauty best.....	25 00@	60 00
" " medium.....	15 00@	20 00
" " calls.....	2 00@	4 00
" " Bride Bridesmaid.....	2 00@	6 00
" " Extra.....	6 00@	12 00
" " Killarney and Richmond.....	4 00@	20 00
" " My Maryland.....	4 00@	20 00
" " Carnot.....	6 00@	12 00
Carnations, select.....	2 00@	3 00
Callas.....	8 00@	12 00
Cattleyas.....	35 00@	50 00
Gardenias.....	20 00@	25 00
Lilium Longiflorum.....	8 00@	12 00
Lily of the Valley.....	2 00@	4 00
Narcissus, yellow.....	1 00@	3 00
" " white.....	1 00@	3 00
Sweet Peas.....	50¢	1 00
Smilax.....	12 00@	16 00

M. Howard of West Newton, the growers, deserve commendation. Mr. McGinty also handles the product of Wm. Morris of Wellesley, a recognized grower of good Killarney roses.

H. A. Stevens of Dedham showed Saturday, freesias which were not of the ordinary. It is a selected strain which he has raised, the stems are heavier than any we have ever seen, and the bulbs are larger, the bulblets being as large as other varieties. He expects to have them still better.

Neither dull market, cold weather or presidential year dampens the ardor of those talking building. The glass and lumber dealers report a large increased call for their goods. With prospects of a coal strike things look upward or downward. Time will tell.

Welch Bros. are receiving some fine Acacia pubescens from Joseph Fuller of Leominster. The shipping trade of



Give us a Trial We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO., Wholesale Commission Florists. BUFFALO N. Y. Florists' Supplies and Wire Designs.

GOLDEN SPUR YELLOW TULIPS

Best on the Market

THE MCGALLUM CO. Inc. Pittsburgh Cleveland

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty. Mention the American Florist when writing

this firm continues good, having an increased call for high grade American Beauties, Richmonds and Killarneys from their long distance customers.

A blockade of 8,000 cars of coal is reported at West Albany, bound east. The prospects of a continued cold spell and a shortage of coal is beginning to make many wonder. **MAO.**

SPRINGFIELD, MASS.—The Springfield Amateur Horticultural Society held an adjourned meeting, February 2, and re-elected Andrew J. Griffen president. The exhibitions planned for the coming year are: April, bulbs; May, pansies; June, roses and peonies; July, sweet peas and phlox; August, gladioli; September, annuals; October, dahlias; November, chrysanthemums.

NEW YORK NOTICE BOSTON
Consignments Solicited

Our New Store, 46 West 26th St, New York City, is now open with a full line of Cut Flowers from the very best growers. Our specialties are: **ROSES**, Aaron Wards, Waddells, Tafts, Cardinals, Killarneys, Marylands, Richmonds and Beauties. **CARNATIONS**, All Standard Varieties; **Jonquills, Narcissus, Paper Whites, Hyacinths, Valley, Violets, Orchids, Gardenias, Easter and Calla Lilies.** We are in an excellent position to fill orders at a moment's notice. Our motto is: "A square deal to both retailer and grower." Our shipping facilities are unsurpassed, as we make a specialty of shipping flowers to all parts of United States and Canada. We strive to please. A trial order will convince you.

A full line of **Florist Supplies** and **Hardy Cut Evergreens** always on hand.
 Best Quality. Lowest Prices. Prompt Service. Wire, Write or Telephone.

HENRY M. ROBINSON & CO.

Wholesale Commission Florists, Dealers in Hardy Cut Evergreens, Importers and Manufacturers of Florist Supplies, **46 West 26th St., New York City**

New York.

CARNATIONS PLENTIFUL.

There is a complete change in the condition of the wholesale cut flower market. Probably at no time during the present season has business been so very unsatisfactory as it has been the past week. Carnations seemed to have suffered most in price, and while thousands have been disposed of at about one-half of the previous week's quotations, still large quantities have accumulated with all the dealers. One of the reasons for this is that the hotels which have used so many carnations for decorating their tables are now using bulb stock, which can be bought at such low prices, and as the weather is so severe the usual outlet through the aid of the street men has been cut off; and to add to the wholesalers' troubles all of the large carnation growers seem to be coming "on crop." Even the finer varieties and novelties are moving slowly. In bulbous flowers there is no question but what the market is greatly overstocked. The quotations are for only small lots as there is so much of the stock carried over from day to day that the average prices are very low. Of roses the prices on the finer grades of the novelties remain the same and the best stock of My Maryland, Mme. Chatenay, Killarney and Richmond clear out fairly well, but the No. 1 and No. 2 grades are moved with difficulty. American Beauties are not so plentiful. Mrs. Aaron Ward, Prince de Bulgarie, Melody and Mrs. Jardine are still in good demand. Orchids are not doing well; the several houses which are receiving them in quantity have heavy supplies of all varieties on hand. While it is true there have been many large orders that called for quantities of these, it did not seem to make much impression on the very large shipments that are being sent in. Lilies are doing as well as can be expected and the prices seem to be satisfactory to the growers. Lily of the valley is more plentiful; especially is this so of the new crop, but this is soft and is sent in without any foliage, and the prices for this kind of stock are very low indeed. Gardenias are doing much better and now that the market has cleared of all the large shipments that were coming in a few weeks ago, prices have advanced and will probably continue to do so, for the visible supply is not large. Lilac, both purple and white, is in good supply. Sweet peas have taken a decided drop, and even the best quality are moving very slowly at lower prices. Even though the quantity of violets coming into the market is much less than a week or so ago the prices have not advanced. The market is overstocked with smilax and adiantum, but Asparagus plumosus in bunches is selling well, but the

P. J. SMITH, Successor to John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR LARGEST GROWERS
 The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited.
 Telephones, 1328. 1998 Madison Square
49 West 28th Street New York City

same cannot be said of asparagus strings.

February 12—Business is still very quiet and the market glutted with carnations and bulbous flowers. The extreme cold weather is still the principal cause of all stock accumulating.

NOTES.

A very severe accident befell Charles Millang, while on his way home to Bay Side, L. I., in his automobile, February 7. Through an accident to some part of the machine it "turned turtle" and threw Mr. Millang to the road, which was covered with ice. He was picked up in an unconscious condition by a farmer on his way to market and taken to the Flushing hospital. At first reports his condition was thought to be critical, but his fighting qualities and will power displayed themselves and it is now said he is rapidly recovering, and will be able to leave the hospital in a few weeks.

No better line of roses can be seen than those at H. E. Froment's. The American Beauties, Killarneys, Radiance are of the very best quality. Mr. Froment also handles heavy shipments of violets and carnations. While it would seem that the output of L. B. Coddington's large establishment at Murray Hill, N. J., which is sold here, would keep a wholesale house busy, still there is ample salesroom and working force to handle efficiently the shipments of many other large growers which are received.

Frank H. Traendly was the host at Cavanagh's restaurant on Monday night at a little dinner given to Richard Vincent, Jr., president of the Society of American Florists, the guests being the officers of the club and a few of Mr. Vincent's friends, and it goes without saying that at any dinners given by any member of the New York Florists' Club the representatives of the trade press are always invited.

Charles Habermann, the well known and popular retailer of upper Broadway, has just returned from a two weeks' trip to Bermuda, where he went with the "Beethoven Singing Society," 250 in number. While at Hamilton, they gave a concert and realized \$1,200; the proceeds were given to the Soldiers' and Sailors' Home.

Robert E. Berry of "Osocozy" Farm, Great Neck, L. I., was a recent visitor. Mr. Berry is a regular attendant at the club meetings and only regrets that

he is so far from the city that he cannot attend the meetings of the Bowling Club on Friday nights.

Walter F. Sheridan of this city and George Young of Clifton, N. J., were recent visitors to the greenhouses of A. N. Pierson, Cromwell, Conn., and were greatly impressed with the magnitude and completeness of this up-to-date establishment.

The second annual dinner of the Greater New York Florists' Association takes place at Raub's Restaurant, Nevins street, Brooklyn, Thursday evening, February 7, and promises to eclipse anything of the kind ever held in that section.

Mrs. Anna Schumann and her son Fred, of 13 Avenue A, have bought the business formerly conducted by Metz at 182 East One Hundred and Sixteenth street. The Metz family have gone to Cuba, where they will make a long stay.

The many friends of S. S. Butterfield, formerly representative of the AMERICAN FLORIST in New York, are pleased to hear such good reports from him at Oklahoma City, Okla., and all wish him success in his new business undertaking.

The many friends in this city of D. D. L. Farson, of Philadelphia, were grieved to hear of his death, and had the information reached here earlier would have attended the funeral services.

A. L. Miller of Jamaica, L. I., is sending a grand lot of lilies to Traendly & Schenck, and also large shipments of carnations and Forsythia compacta. The forsythia meets with ready sale.

Harry A. Bunyard is to be toastmaster at the annual dinner of the Yonkers Horticultural Society at Yonkers, on Wednesday, February 14.

Valentine Hamman of Summit, N. J., is slowly recovering from the effects of his recent automobile accident.

The following bowling scores were made Friday night:

Manda	170	158	175	156
Holt	150	153	137	140
Chadwick	194	177	203	152
Shaw	131	125	134	124
W. Rehm	100	82	98	106
Lord	91	114		
Nugent	130	117	117	139

This was ex-President Nugent's first appearance at the alleys since his recent illness and was received with a very hearty "Glad Hand." On Friday, February 16, the club from Rutherford, N. J., will be visitors for a match game. Y.

PHILADELPHIA NEW YORK WASHINGTON
S. S. Pennock-Meehan Co.
 WHOLESALE FLORISTS
 109 West 28th Street, NEW YORK
 Everything in Cut Flowers.
 PERCY B. RIGBY, Treasurer. Everything in Supplies

Traendly & Schenck,
 WHOLESALE FLORISTS,
 131 & 133 WEST 28th ST
 Phone: 798 and 799. NEW YORK

Charles Millang
 WHOLESALE FLORIST
 55 and 57 West 26th St., NEW YORK
 Telephones: 7062-7063 Madison.

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 WHOLESALE FLORISTS
 34 West 28th St., NEW YORK.
 PHONES 1864 } Madison Sq. Consignments Solicited
 1665 }

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 Established 1887
 WHOLESALE DEALER IN
CUT FLOWERS
 106 W. 28th St., NEW YORK.
 Phones, 167 and 4488 Madison Sq.
 Open 6 a. m. Daily
 Growers desiring top market price for their flowers should give me a trial.

GROWERS' CUT FLOWER CO.
 Cut Flowers at Wholesale
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 OUR NEW STORE IS NOW OPEN. We carry a large supply of Cut Flowers from the best growers. We are prepared to ship to all parts of United States and Canada. Every order will receive our personal attention. A full line of
FLORIST SUPPLIES AND HARDY CUT EVERGREENS.
 Consignments of First-Class Flowers solicited. Satisfaction guaranteed. A square deal to both Grower and Retailer. Write, Wire or Telephone. Long Distance Telephone

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 Coogen Bldg., 6th Ave. & W. 26th St., New York
 Open for Cut Flower Sales at 6 o'clock Every Morning.
 Desirable wall space to rent for advertising.
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 Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Primroses, Pines and Laurel Roping.
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CUT FLOWERS
 WHOLESALE PLANTSMEN AND FLORISTS
 phone 2336 Madison. Shipments Everywhere prompt and satisfactory. Consignments solicited

Wholesale Flower Markets

	NEW YORK, Feb. 14.	Per 100
Roses, Beauty, special	40	00 75 50
extra and fancy	15	00 75 40
" No. 1 and No. 2	4	00 60
" Bride, Bridesmaid, special	6	00 80
extra and fancy	4	00 60
" No. 1 and No. 2	1	00 20
" Killarney, My Maryland	8	00 12
extra and fancy	6	00 80
" No. 1 and No. 2	1	00 20
" Richmond	8	00 12
Carnations	1	00 30
Cattleyas	40	00 50
D. Formosum	25	00 40
Freesias	1	00 1 25
Gardenias	10	00 40
Lilies, Longiflorum and Harriani	8	00 10
Lily of the Valley	2	00 40
Ocridiums	5	00 10
Sweet Peas, per doz. bunches	1	00 21 25
Violets		40 75
Adiantum Croweatum		75 1 00

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 Receiver and Shippers of **FRESH FLOWERS.**
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FOLDING FLOWER BOXES

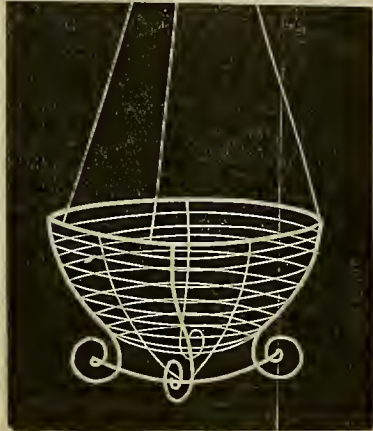
We manufacture the most complete line of High-grade Boxes at reasonable prices.

Palm Green, Mist Gray, Mist Brown.		White Glaze, Green Glaze, Pink Glaze.		Spray, Design and Miscellaneous Palm Green.		(Spray, Design and Miscellaneous Mist Gray.		Violet Boxes, White and Violet Glaze.	
	Per 100		Per 100		Per 100		Per 100		Per 100
16x 4 x 3	\$ 1 85	16x 4 x 3	\$ 2 65	18x 6x 3 1/2	\$ 2 75	28x 6x 4	\$ 3 50	7x 4x 4	\$ 2 50
20x 4 x 3	2 15	20x 4 x 3	3 00	18x 6x 5	3 50	24x 8x 5	4 00	8x 5x 5	4 00
18x 5 x 3	2 15	18x 5 x 3	3 00	21x 8x 4	3 50	30x 9x 4, Telescope.	6 50	10x 6x 5 1/2	5 00
21x 5 x 3	2 50	21x 5 x 3	3 50	24x 8x 5	4 00	20x 12x 8	10 00	12x 8x 5 1/2	6 00
24x 5 x 3 1/2	3 00	24x 5 x 3 1/2	3 75	28x 12x 8, Telescope.	7 50	24x 14x 8	13 00	Plain Violet	
30x 5 x 3 1/2	3 30	30x 5 x 3 1/2	4 50	12x 12x 8	9 00	30x 14x 8	15 00	7x 4x 4	1 75
36x 5 1/2 x 3 1/2	4 50	36x 5 1/2 x 3 1/2	5 65	30x 12x 6	10 00	48x 8x 5	12 50	10x 6x 5 1/2	2 50
21x 7 x 3 1/2	3 25	18x 6 x 3 1/2	3 65	16x 16x 8	10 00	30x 12x 6	10 50	11x 8x 5 1/2	3 50
24x 8 x 4	3 85	21x 7 x 3 1/2	4 00	20x 20x 8	13 00	12x 12x 8	9 50	Mist Gray	
28x 8 x 4	4 35	21x 8 x 4	4 65	24x 24x 8	15 00	14x 14x 8	10 00	7x 4x 4	2 50
28x 8 x 5	5 00	24x 8 x 4	5 25	28x 22x 8	16 00	16x 16x 8	10 50	8x 5x 5	2 75
36x 8 x 5, Telescope.	7 00	28x 8 x 4	6 00	28x 28x 8	19 00	20x 20x 8	13 50	10x 6x 5 1/2	3 00
30x 10 x 5	9 00	28x 8 x 5	6 50	32x 32x 8	25 00	24x 24x 8	15 50	12x 8x 5 1/2	3 50
36x 10 x 5	9 50	36x 8 x 5, Telescope.	9 00	32x 21x 8	20 00	24x 24x 10	20 00	Palm Green	
40x 8 x 5	9 00	36x 10 x 5	11 00	24x 14x 8	12 50			12x 8x 5 1/2	3 50
42x 8 x 5	11 00	40x 8 x 5	11 00	30x 14x 8	14 50				
42x 10 x 5	13 00	42x 8 x 5	13 25	32x 17x 8	16 00				
48x 10 x 5	15 00	42x 10 x 5	15 00	36x 14x 8	16 00				
		48x 10x 5	18 00	40x 14x 8	17 50				
				36x 17x 8	18 50				
				42x 17x 8	20 00				

All our Flower Boxes are made from Moisture-Proof Board.

No printing charges on lots of 300 or over. Special discounts allowed on quantity orders. Complete samples sent on application.
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Wild Smilax & Leucothoe Satisfaction Guaranteed
 LOUISVILLE FLORAL CO., Louisville, Ala.
 Telegraph Office, Abbeville, Ala.

Massachusetts Horticultural Society.

The midwinter flower show of the Massachusetts Horticultural Society was held at Horticultural Hall, Boston, February 1-3. There were fine displays of carnations, primulas, roses and cinerarias. A beautiful exhibit of *Erica codonodes Veitchii* was made by Knight & Struck Co., New York, and a display of antirrhinums by H. Heubner, both of which were awarded honorable mention. S. J. Goddard received first prizes for 50 mixed, light pink, dark pink, red, yellow and crimson carnations and second for 50 white. James Wheeler, first for 25 dark pink and third for 50 red. Strout & Co., first for 50 white and second for 50 pink carnations. F. J. Dolansky exhibited cut blooms of *Cattleya Trianae* and *Gardenia floribunda*. Alexander McKay was awarded cultural certificate for superior cultivation of *Begonia Gloire de Lorraine*.

ALBANY, N. Y.—Examinations will be held by the state civil service commission for the positions of florist and gardener and specialist in agricultural education March 23.



FANCY FERNS, \$1.75 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
 Sphagnum Moss, large bales.....\$2.50
 Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
 Boxwood,.....per pound 20c; 50-pound case, \$7.50
 Magnolia Leaves, Imported Green and Bronze, Basket, \$2.25; 6 baskets, \$2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

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Wholesale Commission Florists and Florists' Supplies.

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BRONZE GALAX,

about 2 1/2 inches, \$3.25 per case of 10,000.

Green Leucothoe, 10 to 16 inch, \$1.00 per 1000. Regular lengths, \$1.75 per 1000

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Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**

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Southern Wild Smilax

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

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SPHAGNUM MOSS

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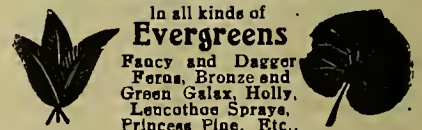
Green Moss, in bbls., \$1.00 per bbl.

JAMES DAY, Milford, N. H.

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George Cotsonas & Co.

Wholesale and Retail Dealers



In all kinds of **Evergreens**
 Fancy and Dagger
 Ferns, Bronze and
 Green Galax, Holly,
 Leucothoe Sprays,
 Princess Pine, Etc..

Delivered to all parts of United States and Canada

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 Telephone 1202 Madison Square.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Greenhouses: Short Hills, N. J.

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Orders filled promptly on short notice and delivered to all parts of the middle west and west.
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Mail, Telephone and Telegraph orders filled promptly for all occasions.

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Cut flowers and design work of the highest class delivered to your customers here or anywhere in the west, mail or wire. Usual Trade Discount.
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Boyle and Maryland Aves.
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L. L. MAY & CO.

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Kansas City and
Pleasant Hill, Mo.

Will fill all orders for Cut
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that may be entrusted to them

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Mutual discounts, 20 per cent. Provision for guaranteed accounts.
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Corner Miami and Gratiot Avenues.

Artistic Designs.
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Both Phones, 527.

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Will execute orders for any
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Member Florists' Telegraph Delivery Association
Please mention the American Florist when writing.

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Use our COLOR CHART in describing them.
PRICE, \$1.00 POSTPAID.

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Flowers in any arrangement for all occasions.
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Best Quality on Shortest Notice

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Send flower orders for delivery in

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We solicit telegraph orders. Regular trade disc.
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Boston—Pene, the Florist, 43 Bromfield St.
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Chicago—Cauger & Gormley.
Chicago—A. Laage, 25 E. Madison St.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
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New York—Alex. McCooell, 611 5th Ave.
New York—Charles Haberman.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentino, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
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Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
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David Clarke's Sons

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Choice Cut Flower's

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Prompt and careful attention to orders
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Prompt and careful attention to orders from out-
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Canada's best known and most reliable florist

Only the Best Dunlop's

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We deliver anywhere in Canada and guarantee
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Will take proper
ycare of your orders in Wisconsin

Michigan.

Orders will be carefully
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Wholesale and Retail Florist of GRAND RAPIDS

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GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

THE cold weather is affecting the early mail trade to a considerable extent.

NEW YORK.—Chas. Loechner, of Loechner & Co., will make a western trip shortly.

JUST what the onion set market is going to do no one seems to know, probably the worst, whatever that is.

J. C. VAUGHAN is democratic candidate for congress in the second Illinois district against James R. Mann, republican.

MILWAUKEE, WIS.—S. G. Courteen is said to be planning the construction of a \$200,000 seed warehouse on property on Reed-street.

THE small sum to which orders now amount, in former years comparatively large, give the credit men in the jobbing seed firms plenty to worry about.

THE genial California seed growers, returning to the west from their eastern invasion, report the "best ever." Only as an extra special favor will they book Globe onion seed.

CALIFORNIA seed crops have only had one-fourth the normal quantity of rain this season to February 12 and unless there is unusually heavy precipitation within thirty days all crops will be short.—W.

THE bean men are not experiencing any trouble in getting out contracts for the coming year, as colored beans withstood the rainy fall much better than the white ones. Prices are about the same as last season.

THE following pea growers are reported as planting acreages in the west: C. C. Morse & Co., Coulter-Adams, Jerome B. Rice Seed Co., D. M. Ferry & Co., Alfred J. Brown Seed Co., J. H. Allan Seed Co., and F. A. Wilcox.

VISITED CHICAGO: John C. Bodger and wife, Los Angeles, Calif., returning from the east; Robert Fulton, representing Henry & Lee, New York, from Yokohama, Japan, enroute to New York; Theo. Cobb, representing D. M. Ferry & Co., Detroit, Mich.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

MIAMI, FLA.—Hughes & Co. are doing a good garden seed trade. The season is about over, but some late items, beans, etc., are selling yet. Yields of early potatoes, 75 or more barrels to the acre, are reported selling at \$10 a barrel.

CHICAGO.—Prices on the Board of Trade, February 14, for grass seed were noted as follows: Timothy, \$13 to \$15 per 100 pounds.—Peter Hollenbach has started work on his new building at 808 West Lake street, which is to be completed May 1, 1912. The building will consist of three stories and a basement and will be equipped with electric elevators and other modern conveniences. The firm will finish the season at its present location and move into the new quarters about June 1.

Seedtime and Harvest.

The dates of planting and harvesting the cereals and other crops is the subject of a bulletin issued by the Department of Agriculture. While it is natural to suppose that planting and harvesting always move northward, and as a fact such progress is in that direction, yet there are interesting exceptions. Spring sowing and harvesting always move in a northerly direction, while that of seed sown in late summer and fall is toward the south. The harvesting of corn and winter wheat progress northward, but that of buckwheat southward.

Corn planting begins in southern Florida and in southern Texas about February 15 in normal years. Fifteen days later it is in progress in northern Florida, southern Louisiana and central Texas, and by May 15 it has progressed as far as southern Maine, New Hampshire and Vermont, central New York, northern Wisconsin, Minnesota and North Dakota. A map is published showing sections wherein corn planting begins simultaneously. While these lines will run mainly from east to west, yet there are curious irregularities depending upon altitude, rainfall and character of the soil. The waters of the great lakes mitigate the severity of the climate, yet they delay seasonal changes and retard spring growth and the lines in this section are bent southward.

Relative to the rate of progress of corn planting the bulletin says that planting begins near Brownsville, Tex., on the average date of February 10 and reaches the Texas-Oklahoma line on the mean date of March 12, crossing Texas in 30 days or at the rate of 18 miles a day. Twenty-five

days elapse until it reaches the Oklahoma-Kansas lines, about 220 miles, moving through Oklahoma at the rate of nine miles a day. The rate of progress through Kansas is 10 miles; Nebraska, 19 miles; South Dakota, 50 miles; and North Dakota, 44 miles per day. The air temperature at which corn planting takes place is believed to be approximately about 55°. Air records for 127 cities east of the Rocky mountains are given in tabulated form.

Federal Inspection Bill.

We are advised by Curtis Nye Smith with reference to the Federal Inspection Bill printed in our issue of February 10, and said to have been introduced in the House of Representatives January 15, 1912, that we "are misinformed, for the bill (H. R. 18000) really filed on said day is radically different." The copy of bill reproduced in our columns was received from W. P. Stark, of Stark Bros.' Nurseries & Orchards Co., Louisiana, Mo., who has been prominently identified with this legislation in the interests of nurserymen. Copy of the bill actually filed can be secured on application to the reader's representative in congress, requesting Bill H. R. 18000.

Congressional Seeds Good for Birds.

The consignment of congressional free seeds which western Tennessee and Kentucky congressmen had forwarded their constituents in the hopes of reaping a rich harvest of votes, were eaten up by birds. The pouches were thrown off the train and stored in a shed, and when picked up for transshipment it was found that hungry sparrows, made desperate by the cold weather, had picked holes in the pouches and eaten every grain out of the hundreds of packages.—Cleveland Plain Dealer.

Yes, Standardize the Hash Next.

The pure food board of the Department of Agriculture is trying to put a safeguard around our holiday diet by standardizing commercial mince meat. A draft has been sent out to state food commissioners asking for suggestions.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marletta, Pa.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

Peas and Beans

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Boston Pickling.
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Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn,

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MANN'S

Lily of the Valley

are the finest in existence and their flowers
bring the best prices on the London mar-
ket For quotations please apply to

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THE KIMBERLIN SEED CO.

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Purity and Germination Guaranteed.

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Cables: "Seedmerchants," Code A B C, 5th edition

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Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown.

of proven quality and germi-
nation. NOT southern seed of
doubtful quality and poor and
slow germination.

Per 100 seeds, 60c; 250 seeds,
\$1.25; 1000 seeds, \$4.00. 5000
seeds at \$3.75 per 1000.

Vaughan's Seed Store,
CHICAGO. NEW YORK.

ASPARAGUS PLUMOSUS NANUS

VAUGHAN'S SEED STORE
CHICAGO NEW YORK

FLOWER SEEDS

	Tr. pkt.	Oz.		Tr. pkt.	Oz.
Antirrhinum , Giant Flowering, Pink, White, Striped, Scarlet, Yel- low, Garnet and Mixed.....		.40	Lobelia , Crystal Palace Compacta, Extra Select Strain.....	10c	
Ageratum , Little Blue Star.....	.15c		Petunia , Large Flowering Fringed Single Mixed.....	.35c	
Imperial Dwarf Blue.....	.10c		“ Large Flowering Fringed Double Mixed.....	.65c	
Asparagus Sprengeri.....	.65c		Primula Obconica Gigantea , Rose, Crimson, Lilac, Hybrida Mixed.....	.35c	
5,000 seeds, \$5.50.			Salvia , Bonfire.....	.25c	2.50
Asters , Smith's Peerless White.....	.50c	6.50			
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Centaurea , Candidissima.....	.25c				
Gymnocarpa.....	.15c				

Select Strains of **Verbena Stocks**, **Grandiflora** and **Giant Flowering Spencer Sweet Peas**, etc.

Send for new Florists' Wholesale Catalogue.

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We book orders now. Don't miss it. The stock we offer is grown
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Wholesale Field and Garden Seeds.

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Specialties: Pepper, Egg Plant, Tomato,
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When you can buy the true
NORTHERN GROWN SEED STOCK
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for our Market Gardeners' Catalog and save
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E Practical, impartial commercial lab-
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D the Ass'n of Official Seed Analysts.
Booklet free. Send samples of

THE SEED TRADE REPORTING BUREAU
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Asparagus Plumosus Plants
2½ in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best ob-
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Per 1000
 First Size, 1 1-2-inch and up.....\$20.00
 Medium Bulbs, all blooming size..... 17.00

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 2nd Size..... 27.50

Augusta, May, Princeps and Highest Grade Mixtures.

**Splendid Strong Bulbs in Quantity
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Best Stocks. All Varieties.

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 Growers for the Wholesale Trade Only,
 SANTA ANA, CALIFORNIA.

Onion Seed==Onion Sets

We Are Extensive Growers and Dealers.

Write for prices on the 1911 crop.
 We are also submitting contract figures for
 the 1912 crop of Onion Seed.

SCHILDER BROS., Chillicothe, O.

HUNTINGTON'S ASTER SEED

Though they're pretty good seed now, they're not at their best in February.
 Mr. Wideawake Florist, would you rather work a day than think a minute? A word to
 the wise should be sufficient. We are growers.
 The "add" below was published Aug. 31st last.

A WORD ABOUT ASTER SEED.

The proper time to talk aster seed is when the stock can be seen in bloom. About February first the buyer has to take the word of the catalogues in regard to the stock he is looking for.

Weather conditions here in Painesville have been just as unfavorable as elsewhere. Our asters are all strictly field-grown and without water. Steady use of the cultivator, our shading system and top feeding has given us a splendid crop. Below will be found a list of our favorites, with stem and flower measurements. We are prepared to convince the gentleman from Missouri if he will call, or we will be glad to send out a limited number of sample boxes of flowers. Enclose 50c to pay for packing and trouble. This will be deducted from the first seed order.

Lady Roosevelt, stem 30 in., flower 4 in.
Huntington's Giant Pink; shell pink sport from Lady Roosevelt; same tall, sturdy growth,

flower more loosely built, and much larger, stem 24-30 in., flower 4½-5½ in.

Non-Lateral White (branching), stem 24-30 in., flower 4 inches.

Late Br. Mary Semple, purple, rose, lavender; stem 16-22 in., flower 3½-4 inch.

Crego, rose, purple, stem 18-20 in., flower 4½-6 inch.

Crego, shell pink, lavender, stem 14-20 in., flower 4½-5½ inches.

Vick's Rochester (Mikado Pink), stem 24 in., flower 4½-5½ inches.

Huntington's Improved Mikado Rose, identical in all ways with Rochester. More rank in growth, bright rose, stem 24-30 in., flower 4½-6 inch.

Lavender Gem and **Snowdrift.** Our strain of these cannot be beaten. Only three rogues taken from over 1500 plants. They showed as high as 16 salable flowers to the plant. Stem 12-22 in., flower 2½-4 in.

Write For My Seed List.

RALPH E. HUNTINGTON, Painesville, Ohio.

The Ebbert Seed Company ROCKY FORD, COLO.

Contract Growers for the Trade. High-grade
 Vine Seeds, **Specialties:** Rocky Ford Cantaloupe,
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 Place Your Orders Early.

GET QUOTATIONS FROM
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 SEEDS which SUCCEED
 Bloomsdale Farm. **Bristol, Pa.**

Boddingtons Quality Cannas.

Are true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick. The Canna crop this year, however, is very short, and we advise placing orders early to secure stock. Delivery can be made at purchaser's option.

Red-flowering, Green Foliage Cannas

	Per 100	Per 1,000
Louisiana, 7 ft.....	\$2.25	\$17.50
A. Bouvier, 5 ft.....	1.75	15.00
Alice Roosevelt, 4 ft.....	3.75	35.00
Beaute Poitevine, 3½ ft.....	2.75	25.00
Black Prince, 3 to 4 ft.....	2.75	25.00
Charles Henderson, 4 ft.....	2.00	17.50
Crimson Bedder, 3 ft.....	2.25	20.00
Duke of Marlboro, 4½ ft.....	2.00	17.50
J. D. Eisele, 5 ft.....	2.25	20.00
Explorateur Crampbell, 5½ ft.....	2.00	17.50
President Cleveland, 3 ft.....	2.25	20.00
President McKinley, 2½ to 3 ft.....	2.25	17.50
President Meyer, 4 ft.....	3.50	30.00
Pillar of Fire, 6 or 7 ft.....	2.25	20.00
Tarrytown, 3½ ft.....	2.25	20.00

Pink-flowering Cannas

	Per 100	Per 1,000
L. Patry, 4½ ft.....	\$2.25	\$17.50
Louise, 5 ft.....	2.25	17.50
Mlle. Berat, 4½ ft.....	1.75	15.00
Venus, 3½ ft.....	4.25	40.00

White and Cream Shades

	Per 100	Per 1,000
Alsace, 3½ ft.....	\$1.75	\$15.00

Orchid-flowering Cannas

	Per 100	Per 1,000
Allemannia, 4 to 5 ft.....	\$1.75	\$15.00
Austria, 5 ft.....	1.75	15.00
Indiana, 3 to 4 ft.....	2.00	17.50
Italia, 4½ ft.....	1.75	15.00
Philadelphia, 5 ft.....	2.75	25.00

Orange Shades

	Per 100	Per 1,000
Wyoming, 7 ft.....	\$2.25	\$20.00
Pennsylvania, 5 ft.....	1.75	15.00
Mrs. Kate Gray, 6 ft.....	1.75	15.00

Red, Gold-edged; Spotted and Yellow Cannas

	Per 100	Per 1,000
Duke of York, 4 to 5 ft.....	\$5.50	\$25.00
Evolution.....	2.75	25.00
Gladiator, 4 ft.....	2.75	25.00
Gladio-Flora, 3½ ft.....	5.50	50.00
Golden King, 5 ft.....	2.75	25.00
Jean Tissot, 5 ft.....	2.25	20.00
Niagara, 3 ft.....	2.75	25.00
Mad. Crozy, 5½ ft.....	2.75	25.00
Queen Charlotte, 3½ ft.....	3.75	35.00
Premier, 2½ ft.....	3.75	35.00
Souv. de A. Crozy, 4 ft.....	2.75	25.00

Yellow Shades

	Per 100	Per 1,000
Buttercup, 3½ ft.....	\$2.75	\$25.00
Florence Vaughan, 5 ft.....	2.25	20.00
Richard Wallace, 4½ ft.....	2.75	25.00

Bronze-leaved, Red-flowering Cannas

	Per 100	Per 1,000
Brandywine, 4 to 5 ft.....	\$2.75	\$25.00
David Harum, 3½ ft.....	2.75	25.00
Egandale, 4 ft.....	2.00	17.50
King Humbert, 4 ft.....	4.00	35.00
Leonard Vaughan, 4½ ft.....	2.75	25.00
Musafolia, 3 to 5 ft.....	2.25	20.00
Robusta, 6 to 8 ft.....	2.00	17.50
Shenandoah, 6 ft.....	2.00	17.50

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business.

Our Cannas are true to name—two and three, sometimes four eyes—are sound, dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at a thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Write for special prices for quantities.

If any Cannas are not found here, it may be understood that they are superseded by the foregoing. If selection is left to us, we will substitute or send only the best for all purposes.

All the Above Cannas Sold F. O. B. New York or Chicago.

Chicago and Western Agents for Our Cannas, ONLY:

WINTERSON'S SEED STORE, 166 North Wabash Ave., Chicago.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street, NEW YORK CITY.

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Royal Netherland Bulb Nurseries and Export Trade.

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Wholesale growers of the leading sorts of Hyacinths, Tulips, Narcissus, Crocus, Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, Mr. G. HYLREMA, care of Messrs. Maltus & Ware, 14 Stone St., New York, for Catalogue and Special prices of all

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178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles. 1000 seeds, finest mixed... 25c 1 oz. ...\$2.25

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Water Melon and Musk Melon Seeds

Get them from

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Complete Delivery by Oct. 15, 1912.

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Rosette The bright, large-flowered, dark pink Carnation, winner of the S. A. F. Silver Medal, and first in the 100 Dark Pink Class, at the A. C. S. Show at Detroit. Scored 86 points last March at Boston, after traveling over 1000 miles. A sure shipper and keeper. A commercial variety for every florist. Our large stock enables us to still promise some February delivery if ordered now. Price: \$12.00 per 100; \$100.00 per 1000; 2,500 for \$237.50.

White Wonder—Early March delivery. | **Bonfire**—Feb. delivery.
Gloriosa—Late March delivery. | **Golden Ray**—Early March delivery.
The above four varieties at \$6.00 per 100; \$50.00 per 1000.

Scarlet Glow—Feb. delivery. | **Enchantress**—Feb. delivery.
Mrs. C. W. Ward—March delivery. | **White Enchantress**—Feb. delivery.
White Perfection—Feb. delivery. | **Rose Pink Enchantress**—Feb. delivery.
The above six varieties at \$3.00 per 100; \$25.00 per 1000.

Pink Delight—All sold.

Quality Cuttings are sure to please. We grow them.

F. DORNER & SONS CO., La Fayette, Ind.

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A Pink Garza (Mary Colladay)

A Seedling of Garza, with habit of parent; in color a rich rose lavender pink. Extremely free and of excellent keeping qualities. Whether grown for pot plants or for cutting, it is equally adaptable. Do not disbud. 35c each; \$4.00 per dozen; \$25.00 per 100.

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New Hardy Golden Vinca Vinca Minor Aurea.

Golden variegated Myrtle or Perwinkle.

This is not a creamy yellow like V. Variegata, but a rich deep golden yellow, grand for shrubby borders, banks, window boxes, vases and especially for cemetery work.

Awarded Certificate of Merit by the New York Hort. Society; Paterson (N. J.) Horticultural Society and Elberon (N. J.) Horticultural Society. Price, 3 in. pot plants, \$2.00 per doz.; \$15.00 per 100. Delivery in April.

WM. TRICKER, ARLINGTON, N. J. Water Lilies and Hardy Plants a specialty.

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THE G. HERBERT COY SEED CO. VALLEY, Douglas County, Neb.

Contract Growers of High Grade Seeds

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Branches: Michigan and Wisconsin. MILFORD, CONN.

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Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

CURRIER BULB CO. Wholesale Growers of Bulbs and Plants SEABRIGHT, CAL.

Gladiolus and Calla Lilies a specialty. Large stock of American Gladiolus.



**Down, Down
Down They Go
For a Short Time.**

Our **Verbenas** are the finest in the land, 60c per 100, \$5.00 per 1000.
Fuchsias, the best named varieties, \$1.00 per 100, \$9.00 per 1000. **Coicus**, all the finest select named varieties, 70c per 100, \$6.00 per 1000.
Alternantheras, red and yellow, very strong, 60c per 100, \$5.00 per 1000.

Sweet Alyssum, our big double Giant, 80c per 100, \$6.00 per 1000. **Vincas**, very strong rooted cuttings, \$1.00 per 100, \$8.00 per 1000. **Salvias**, Bonfire and St. Louis, the leading varieties, 80c per 100, \$7.00 per 1000. **Feverfew**, Little Gem, a large fine flower, the best of all, \$1.00 per 100, \$9.00 per 1000. **Swainsonas**, \$1.25 per 100. Express prepaid on all rooted cuttings. Satisfaction guaranteed to all parts of the United States.

C. HUMFELD,

The Rooted Cutting Specialist, Clay Center, Kansas.

Begonias Tuberous Rooted.

Single, White, Pink, Scarlet, Per 100	1000
Orange, Yellow and Crimson	\$2.50 \$22.00
Single, mixed colors	2.25 20.00
Double, White, Pink, Scarlet, Orange, Yellow and Crimson	4.00 35.00
Double, mixed colors	3.50 30.00

GLOXINIAS

Blue, White, Crimson, Violet, white border, red white border	3.50 30.00
Mixed, all colors	3.00 26.00

A. HENDERSON & CO.

30 E. Randolph St., CHICAGO

GLADIOLI

Groff's Hybrids

and all the best named sorts. My Gladioli took first premiums at Iowa State Fair in 1911. Write for prices.

Independence, Scarsdale, New Blue Hybrids.

GEO. S. WOODRUFF

Box F, Independence, Iowa.

CHRYSANTHEMUMS....

2-in. pots.

Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, at \$7.00 per 100.

ELI CROSS,

25 Monroe Street GRAND RAPIDS, MICH.

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Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Gladiolus

We control the originator's stock of

THE NEW TYPE

KUNDERDI "GLORY"

WITH "RUFFLED" PETALS

The broadly expanded, wide open flowers, paired by twos, all face in the same direction, and are carried on straight stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted.

The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petal, the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the country over.

Special prices, with free cuts, for catalogue use.

Per 100, \$7.50. Per 1000, \$70.00

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America, Mrs. Francis King, Augusta, Princeps

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The Spring Edition is ready. Ask for it. Don't buy without its figures. They talk!

Vaughan's Seed Store, CHICAGO and NEW YORK.



GLADIOLUS GLORY.

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.

Pink and White	Per 100	Per 1000
Killarney, 2½-in.	\$12 00	\$100 00
Richmond, 2½-in.	12 00	100 00
Sunburst, 2½ in.	35 00	
Maryland, 2½-in	12 00	100 00
Mrs. Aaron Ward, 2½-in.	14 00	120 00
Melody, 2½-in.	14 00	120 00
Mrs. Taft or Prince de Bulgarie, 2½-in	14 00	120 00
Radiance	14 00	120 00

OWN ROOT.

Pink and White	Per 100	1000
Killarney, 2½-in	\$6 00	\$55 00
Maryland, 2½-in.	6 00	55 00
Richmond, 2½-in.	5 00	40 00
Antoine Rivoire, Mrs. Taft, or Prince de Bulgarie, 2½-in.	8 00	70 00
Radiance, 2½-in.	8 00	
Melody, 2½-in.	8 00	70 00
Mrs. Aaron Ward, 2½-in.	8 00	70 00
Lady Hillingdon, 2½-in.	10 00	
Dbl Pink Killarney, 2½-in.	8 00	70 00

Orders are now booked for April, May, June and July delivery. All goods are sold for cash or 30 days on approved credit.

Mention the American Florist when writing

Rooted Carnation Cuttings

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000		Per 100	Per 1000
Beacon	\$2 50	\$20 00	Enchantress	\$2 00	\$17 50
White Enchantress	2 50	20 00	White Perfection	2 00	17 50
R. P. Enchantress	2 00	17 50			

PETER REINBERG,

30 East Randolph St.,

CHICAGO

The Early Advertisement Gets There

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

MIAMI, FLA., FEBRUARY 3.—Tomato vines, trained to stakes and standing seven feet high, heavy with fruit, are seen in the open ground at the Royal Palm Garden in charge of Chief Gardener Andrews. The latter has a remarkable collection of tropical decorative plants and is equipped with two glass houses used mainly for propagating and growing on small stock.

Prices of Indoor Fruits and Vegetables.

Chicago, February 12.—Cucumbers, \$1 to \$1.65 per dozen; radishes, 12½ cents to 30 cents per dozen bunches; rhubarb, 25 cents to 35 cents per bunch; mushrooms, 25 cents to 40 cents per pound.

New York, February 10.—Mushrooms, \$1 to \$2.20 per 4-pound basket; cucumbers, \$1.25 to \$1.50 per dozen; tomatoes, 10 cents to 40 cents per pound; radishes, \$1.50 to \$3.50 per 100 bunches; lettuce, \$1 to \$2 per strap; rhubarb, 40 cents to 60 cents per large bunch and 60 cents to 90 cents per dozen small bunches; mint, 50 cents to 60 cents per dozen bunches.

Mexican Tomato Crop Damaged.

The large tomato crop on the west coast of Mexico, it is now learned, writes Consul Alexander V. Dye at Nogales, Sonora, under date of December 29, 1911, has been very badly damaged by frost within the last few days and consequently will not be nearly so large as expected. It was believed that the tomato crop this year had been planted far enough south to escape the frost, but unprecedented cold weather on the west coast caused damage to the crop just as the shipping season had begun. The first estimates were that 75 per cent of the crop had been destroyed, which is doubtless too large an estimate, but the loss nevertheless is very heavy.

Cress.

In no way is the contrast between Europe and America more apparent than in the love of variety of the Europeans and the all-pervading standardizing of the Americans. This is true in ornamentals, cut flowers and eatables. The European plants an orchard with as many different varieties as he has trees. If he loves roses, he will have as many varieties as he has plants. Thus one can account for the fact that European firms catalogue some 3,000 varieties of roses, or 250 of geraniums, etc. The same is true of their markets.

One can find any amount of material never met with in this country. For instance, the writer remembers in a certain city in Germany that chives in pots were an important crop all winter. These chives were field-grown clumps, potted as needed and forced continuously as the market called for them. They are pretty subjects and

somewhat take the place of our green onions. Our subject, cress, is another such plant. Large amounts are grown of both; the curly cress or pepper grass, and the water cress. The curly kind is grown on shelves or benches; it is thickly drilled and cut when four or five inches high; temperature, 55°. The water cress is grown from seeds, or from young shoots, somewhat like violets, generally on benches which are kept very moist, as it can be done that way easier than providing a flooded bed.

Our American markets are gradually calling for many of these things, probably because the enormous travel to Europe each season serves as an educator. While we believe in specialties, we recognize the fact that there is often more money and surer ground in some of these minor crops. We are not growing cress at present, but we contemplate adding it to our lines as well as chives, leek and Cos or Romaine lettuce.

MARKETMAN

Seed Testing.

ED. AMERICAN FLORIST:—

The article on seed testing by "Marketman" was very interesting and while we never test any seed that we buy for germination, as we obtain them from reputable seedsmen, but seeds left over and those of our own growing we test. We had this year five packages of muskmelon seed of uncertain age, and, in testing, two were found to be worthless from age and the other three germinated from 60 to 75 per cent., which we shall plant more to the hill. Some varieties of sweet corn and beans which we grow are always tested. Last September was very wet and the sweet corn was on the stalk until the middle of October, and this looked so bad it was culled closely, but the greenhouse test proved it was from 60 to 100 per cent of good strong growth.

FRANK AIKEN.

Decatur, Ill.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

Manure for Hotbeds.

The unprecedented scarcity of forage all over this country has caused quite a change in the quality or make-up of manure available for hotbeds. We used to have no difficulty in securing any amount of fresh horse manure of the proper nature, but this winter we find that nearly all barns have resorted to shavings and sawdust for bedding. Then, also, hay and straw are so high in price that these are fed very carefully, permitting of no waste. These conditions have so changed the resulting manure as to effect quite a change in its utility for hotbed heating. We think sawdust and shavings manure is most excellent for mulching against heat or cold or drouth, but for heating we do not like it. The bedding used is not organic matter in the same sense as hay or straw, hence does not heat like those materials. To cut the matter short, such manure will heat less violently and for a short time only, and growers who use hotbeds and have to use such material should make due allowance or losses will result. The beds should be made deeper, planted sooner after heating, and if anything should be started a little later so as to cut the time down between starting and warmer weather. A further precaution is to use only manure from highly fed animals, that is, where plenty of grain is used.

MARKETMAN.

LYNN, MASS.—The Houghton Horticultural Society held a well attended meeting in Lee hall, January 31. A turkey supper was served to 200 persons at 6 p. m. and at 8 o'clock J. K. M. L. Farquhar of Boston delivered a lecture on "Gardens of Italy."



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Pure Culture Mushroom Spawm

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HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages.

29 Illustrations.

—Price \$1.00.—

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HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettices, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Chierarias, Gloriettas, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabiosa, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per sq., or \$1.50 per ¼ sq., 75c per 1-16 sq., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

DREER'S FANCY LEAVED CALADIUMS

We are carrying the largest stock of Fancy Leaved Caladiums in the world in an assortment of varieties which, besides the choice standard sorts, includes many new and rare varieties not generally offered.

Bulbs started at any time before the middle of April will make splendid plants in 3½ or 4 inch pots, which will prove useful for porch and window boxes in shaded or semi-shaded positions and which always meet with ready sale, while for the decoration of the Florist's store window during the summer months no more useful subject can be grown.

We offer special selections according to variety as follows:

Choice Standard Varieties, \$1.75 per doz.; \$12.00 per 100; \$100.00 per 1000.

Choice Rare and New Varieties, \$2.25 per doz.; \$15.00 per 100; \$140.00 per 1000.

Choice Mixed Varieties, \$1.50 per doz.; \$10.00 per 100.

Rare New Varieties, the most recent introductions, \$3.50 per doz.; \$25.00 per 100.

The Above Prices Are For The Trade Only.



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PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

Asters for Early Blooming.

ED. AMERICAN FLORIST:—

Will you kindly inform me what is the proper treatment for asters planted in the greenhouse? What is the best variety of pink and white?

T. P.

The seed should be sown in February and as soon as large enough potted and grown until bench room is available, which should be after Easter, and then transplanted in any good soil, not too rich, 10 to 12 inches apart. It is much better to grow the plants in pots for early blooming, for in transplanting they start much quicker than plants grown in flats which have to be disturbed.

The best early aster either for forcing or outside planting is Queen of the Market, being usually in bloom two weeks before other sorts begin to blossom. The flower is very large and the plant is of graceful spreading habit.

W.

LADY HILLINGDON

Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place your order now for early delivery.

YOUNG STOCK. PRICES:

Grafted.....	\$25.00 per 100; \$200.00 per 1000
Own Root.....	20.00 per 100; 150.00 per 1000

WABAN ROSE CONSERVATORIES

Natick, Mass.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE. PA.

Mention the American Florist when writing

—We Have All Kinds of—

BLOOMING PLANTS

For the storeman, A fine lot of Azaleas, Hydrangeas, Roses, white and Red Rambler Roses, Crimson Ramblers, Pink Dorothy, Climbing Baby Ramblers, etc.

For Easter write us your wants.

Don't forget we are headquarters for Ferns.

GEO. A. KUEHL, Wholesale Grower, Pekin, Ill.

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

DETROIT, MICH.—A special meeting was held in the opera house January 19 for the purpose of interesting the people in the necessity of gathering the species of wild flowers which are fast disappearing and plant them in the parks.

W. VAN KLEEF, JR., has withdrawn from the firm of W. Van Kleef & Sons, Boskoop, Holland, and has established business under the name of Verkade Van Kleef, Nova Nurseries, at Boskoop. The specialties of the new firm are azaleas, buxus, clematis, conifers, magnolias, peonies, rhododendrons and roses.

HARTFORD, CONN.—The sixth annual meeting of the Connecticut Nurserymen's Association was held at the Garder hotel, February 6. The election of officers resulted as follows: W. W. McCarthy, New Haven, president; Charles Turner, Hartford, vice-president; Frank L. Thomas, Manchester, secretary; W. W. Hunt, Hartford, treasurer.

Federal Inspection Bill.

We are advised by Curtis Nye Smith with reference to the Federal Inspection Bill printed in our issue of February 10, and said to have been introduced in the House of Representatives January 15, 1912, that we "are misinformed, for the bill (H. R. 18000) really filed on said day is radically different." The copy of bill reproduced in our columns was received from W. P. Stark, of Stark Bros. Nurseries & Orchards Co., Louisiana, Mo., who has been prominently identified with this legislation in the interests of nurserymen. Copy of the bill actually filed can be secured on application to the reader's representative in congress, requesting Bill H. R. 18000.

Insect Pests.

In an address before the Massachusetts Horticultural Society, entitled "Insect Pests," Prof. Edson F. Hitchings, of the State Agricultural College of Orono, Me., states that the following factors in the control of insect pests should be practiced: clean culture; secure a vigorous plant growth; encourage bird and other friends; know our beneficial insects; learn the life histories of our insect pests; destroy all refuse material where insects hibernate; look out for wild food plants; use up-to-date methods to destroy the several stages of insect life. We need to know our friends as well as our foes. Our friends are the animals, such as birds, toads, skunks, moles and even snakes; and the parasites: predaceous bugs and beetles, tachanid flies, scavengers, etc. We are beginning to realize the importance of destroying all refuse material. Quite a number of our garden and orchard pests pass the hibernating period under cover of stones, pieces of board, piles of weeds, discarded vines, brush heaps, bark of trees, etc. Let us get into the habit of keeping things of this class picked

up and destroyed. Another fruitful source of insect increase is found among the weeds that grow in neglected fence corners, along stone walls, in pastures, by the roadside and in too many of our gardens, and look for wild food plants where many insects pass through their first larvæ stage. Removal of these will greatly check the development of insect life. The necessity of the intelligent and persistent use of insecticides, fungicides, traps and baits is now beginning to be realized.

Some New Philadelphus.

While the older forms of the Phladelphus were mostly tall growing, suitable for background or screen, the new Lemoine varieties are mostly dwarf, graceful, suitable for clumps or foregrounds of shrubbery. Among the earlier sorts are: Boule d'Argent (1893), double; Gerbe de Neige (1893), large, pure white flowers; Candelabre (1894), little plant with frimbriated flowers; Avalanche (1896), superb six-foot plant, the branches long and slender, bent to the ground with the weight of flowers in season; Mont Blanc (1896), similar, but differing in season; Pavillon blanc (1896), very large flowering; Manteau d'hermine (1898), little dwarf clump with recurving branches. Later, by hybridizing the California P. Coulteri with the above sort, a new race has evolved, showing the trace of color inherited from P. Coulteri, one of which, Etoile rose (1908), alone being entirely hardy. Among newer white sorts Bouquet blanc (1903), long arched branches, free blooming; Couquette (1903), semi-double; Rosace (1904),

imbricated flowers; Mer de Glace (1907), large double flowers; and finally Virginal (1909), one of the finest Philadelphus existing, of vigorous growth, erect branches, and a profusion of pure white double crested flowers. Neice blanche and Voie lactee (1905), are two excellent plants with broad flat flowers.—Revue Horticole.

LARGE TREES

OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.



Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
 Write for descriptions and prices.

The Wm. H. Moon Co.,
 MORRISVILLE, PA.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched.....	\$1.00	\$ 7.00
15 to 20 in., 3 or more branches.....	1.50	10.00
20 to 30 in., 4 or more branches.....	2.00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25.00
3 to 4 ft., extra heavy, 8 or more branches.....	4.00	30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.

A. G. M. RICHARD, Nurseryman,

NAARDEN-BUSSUM, near Amsterdam, HOLLAND,

will be pleased to receive catalogues of nurserymen.

Cable Address: NOVA BOSKOOP—A B C Code, 5th Ed.

BOSKOOP, HOLLAND, Jan. 26th, 1912.

Gentlemen—I herewith beg to state that I have dissolved my partnership with Messrs. W. Van Kleef & Sons, The Nurseries, Boskoop, Holland, and that I will continue the business relations for my own account from Jan. 27th, 1912, under the name of

VERKADE VAN KLEEF,

(W. Van Kleef, Jr., Prop.) "Nova Nurseries," Boskoop, Holland.

Hoping to be honored with your esteemed orders, which will have my best personal care and attention,
 Yours very truly,

Nurseries: Boskoop, Waddinxveen (Holland). **W. VAN KLEEF, Jr.**

SPECIALTIES: Azalea, Buxus, Clematis, Conifers, Magnolia, Pæonies, Rhododendrons (hardy select), Roses, Etc., Etc.

B. & A. SPECIALTIES

Palms, Day Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Glorious New Plants from the Chinese Alps.

There has been nothing in recent years to surpass our wonderful introductions from China, through our collector, Mr. Forrest. As the introducers of several new species of Primulas, which have taken a remarkably high place in the estimation of experts, we occupy an enviable position.

Growing, as they do, close to the snow line in the mountainous region of Yunnan, China, these Primulas are exceedingly hardy, as well as beautiful: they are altogether unlike our European or American Primroses. The illustration shown gives but a very inadequate representation of the marvellous attraction of these novelties. Most of them have been awarded First-Class Certificates from the Royal Horticultural Society, London.

At the time of writing, another collector, Mr. F. Kingdom Ward is working the Mekong-Salwen divide. The Mekong and Salwen rivers run southward from Central China through Burma and Siam, cutting through vast mountain ranges of immense altitude. It is on the slopes of these snow-capped giants that untold riches of the Chinese Flora flourish unseen and almost unsuspected. We are convinced, from the reports of our collectors, that the plants so far brought to light are but a "drop in the well." So trying is the climate, and so risky the intercourse with natives, that only a mere patch of ground has been covered after several years' strenuous work and the expenditure of considerable sums of money.

Besides these Chinese Novelties, you will be interested in our

ROSES and HARDY PLANTS.

We have a most complete and up-to-date collection, and we are

NOTED FOR QUALITY AND LOW PRICES

Price of New Primulas, Etc.

	Seed	Plants
	Per Pkt.	Per doz.
Primula Bulleyana, scarlet and orange	\$1.00	\$3.00
" Beesiana, velvet purple	1.00	3.00
" Forrestii, rich gold	1.00	3.00
" Littoniana, brilliant red and purple.....	1.00	5.00
" Malacoides, pale rose .....	.50	
Incarvillea brevipes, crimson rose.....	1.00	

Remittance with order.

References: AMERICAN FLORIST, Carl Purdy, D. M. Andrews, American Bankers, S. M. Bulley, Savannah.

CATALOGUES GRATIS.

Write Us This Very Minute, LEST YOU FORGET.

BEES, Ltd, 179 Mill Street, Liverpool, England



PRIMULA FORRESTII. (Copyright.)

Electros supplied to buyers of seeds or plants at cost price (made in U. S.)

Ferns.

4-inch heavy stock, \$12.00 per 100. Boston, Barrowsi and Elegantissima; also 2 1/4-inch Boston, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio
Mention the American Florist when writing

Ferns for Dishes

2 1/4-in Per 100 Per 1000
\$3.50 \$30.00
Asparagus Plumosa, 2 1/4-inch \$3.50 per 100;
\$30.00 per 1000. 3-in. \$6.00 per 100.
500 at 1000 rate. Cash with order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO
Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Mention the American Florist when writing

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

CANNAS

Vaughan's Home Grown Extra Select Stock.

DRY ROOTS for immediate shipment. Every field clump checked in the field when blooming by capable men who know the true type.

	Doz.	100		Doz.	100
Beante Poitevine.....	\$0.60	\$ 4.00	Madame Crozy.....	.60	4.00
Chas. Henderson.....	.60	4.00	Milwaukee.....	.60	4.00
David Harum.....	.60	4.00	Multiflora.....	.75	5.00
Egandale.....	.60	4.00	Niagara.....	.50	\$3.00
Florence Vaughan.....	.50	3.00	Prince Wied, blood-red..	2.50	20.00
General Merkel.....	.60	4.00	Queen Charlotte.....	.60	4.00
King Humbert.....	.75	5.00	The Express.....	1.00	8.00
Leonard Vaughan.....	.60	4.00	Tisza, new, white.....	.60	4.00
Long Branch.....	.85	6.00	Wm. Saunders.....	1.25	10.00
Mlle. Charlotte Mongeot	.50	3.00			

N. B.—Write for prices on any other varieties you need.

Dahlias Remember we also grow large quantities of all the popular cut flower sorts, and shall be glad to submit list.

BOOK FOR FLORISTS READY.

Chicago VAUGHAN'S SEED STORE, New York

Greenhouses, Nursery and Trial Grounds at Western Springs Ill.

LUPINES (Annual). White, Pink, Blue and Yellow. These are the best strain of cut flower sorts. Plant now for quick results. Good plants, \$1.00 per 100; \$9.00 per 1000.

Smilax, strong, 2-in. \$1.50 per 100
Double Fringed Petunias, Rooted Cuttings, mixed..... \$1.00 per 100; \$9.00 per 1000

Parsley, Double Curled..... 1.25 per 1000
Pansies (Rawlings' Strain) 2.50 per 1000

Elmer Rawlings, Wholesale Florist, Olean, N. Y.
Mention the American Florist when writing

Cannas In 10 best varieties from \$15.00 per

1000 up. Also 10,000 King Humberts.

Write for prices and varieties. Will exchange for R. C. Carnations standard varieties.

W. W. Coles, Kokomo, Ind.

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000		Per 100	Per 1000
Gloriosa.....	\$6 00	\$50 00	Enchantress.....	3 00	25 00
Dorothy Gordon.....	4 00	35 00	Beacon.....	3 00	25 00
White Perfection.....	3 50	30 00	Rose Pink Enchantress.....	2 50	20 00
White Enchantress.....	\$3 00	25 00	Winsor.....	2 50	20 00

J. D. THOMPSON CARNATION CO.,
Carnation Specialists, JOLIET, ILL.

ROOTED Carnation Cuttings

	Per 100	1000
Washington.....	\$6.00	\$50.00
Mrs. C. W. Ward.....	3.00	25.00
Beacon.....	3 00	25.00
White Enchantress.....	3.00	25.00
May Day.....	2.50	20.00
Sangamo.....	2.50	20.00

250 at 1000 rate. Satisfaction guaranteed.

DES PLAINES FLORAL CO., Des Plaines, Ill.

A FEW GOOD THINGS YOU WANT.

- Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.
- Boston Ferns, 5-in., 25c each.
- Whitmani Ferns, 4-in., 25c.
- Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
- Vinca Var., 2-in., 2c.
- Asparagus Sprengeri, 2-in., \$2.50 per 100.
- Asparagus Plumosus, 2-in., \$3.00 per 100.

Cash with order.

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

Geraniums

March delivery.

- Ricard and Poitevine.....per 1000, \$14.00
- S. A. Nutt.....per 1000, 11.50

COLEUS

- Verschaffeltii and G. Bedder....per 1000, \$ 6.00
- Standard assorted.....per 1000, 6.00

Asparagus Plumosus

- Fine stock, an extra value.....per 1000, \$25.00

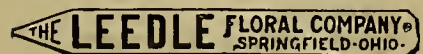
CHRYSANTHEMUMS

- Enguehard (pink), Bonnaffon (yellow), Nonin (white), \$2.00 per 100; \$17.50 per 1000.

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ROSES and ROSES

Spring Price List Ready.



Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

Roses.

Ramblers, Hybrid Teas, Hybrid Perpetuals, Dwarf Polyanthas, Standards and Half Standards.

Rhododendrons.

18-24 inches, well budded, named varieties, forcing stock, as well as kinds for outdoors. \$40.00 per 100.

Lily of the Valley. Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.

TELL US YOUR WANTS.

Jackson & Perkins Company,

Nurserymen and Florists (Wholesale only), Newark, Wayne Co., New York

Commercial Chrysanthemums

The Best Novelties for 1912 are:

White Gloria, Pink Gem, White Perfection, Aesthetic, Nontero, Harvard, and the two Pompons, Helen Newberry and Fairy Queen.

The Cream of 1911 introductions are:

Smith's Advance, Unska, Chrysolora, Roman Gold and December Gem.

A large stock of the Standard Kinds in the best types for the Commercial Grower. Complete list of Exhibition Sorts.

Catalogue now ready. Free on application.

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

Mention the American Florist when writing

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

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Tell Them Where You Saw the Advertisement



Pteris Wilsoni.

BEDDING PLANTS

Choice Palms and Fancy Ferns



Pteris Serrulata.

BEDDING PLANTS.

Althernanthera, red and yellow cuttings	Per 1,000	\$6.00
Achyranthes—rooted cuttings.		
P. de Bailley	6.00	
Metallina	6.00	
Lindenli	6.00	
Worcewiczli	6.00	
ACHYRANTHES—2-Inch.	Per 100	\$2.50
P. de Bailley	2.00	
Metallina	2.00	
Lindenli	2.00	
Worcewiczli	2.00	
AGERATUM, Stella Gurnay—2-Inch.	Per 100	\$2.00
Princess Pauline—2-Inch	2.00	
COLEUS—2-Inch.	Per 100	\$2.00
Pfister, red and yellow	\$2.00	
Beckwith's Gem	2.00	
Golden Bedder	2.00	
Verschaffeltii	2.00	
Graphalium lanatum—3-inch	5.00	
Gnaphalium Lanatum—2-Inch	2.00	
Heliotrope, 2-inch	2.00	
Heliotrope, 3-inch	4.00	
Chrysanthemum Maximum Perfectum (Improved Shasta Daisy), strong seedlings.	Per 1000	\$5.00
Ivy, German, 2-inch	2.00	
Lantana Delicatissima, 2-inch	2.00	
Lobelia Catharina Mallard, rooted cuttings	6.00	
Lobelia Catharina Mallard, 2-inch	3.00	26.00
Margaritas, yellow cuttings	6.00	
Marguerites, yellow, 2-inch	2.00	
Mrs. F. Sanders, new double white, 2-inch	3.00	
3-inch	6.00	
SALVIA—rooted cuttings.	Per 1000	\$6.00
Bonfire	\$6.00	
Zurich	6.00	
SALVIA—2-Inch.	Per 100	\$2.00
Bonfire	\$2.00	
Zurich	2.00	
VINCAS—	Doz.	100
2-inch	\$ 2.50	
3-inch	5.00	
4-inch	\$2.00	15.00
PANSIES, transplanted seedlings,	\$5.00	per 1000

FERNS.

	BOSTONS.			
Size	Each	Doz.	100	1,000
2-in.			\$3.00	\$26.00
3-in.		\$1.00	8.00	
4-in.		1.50	12.00	
5-in.		3.00	20.00	
6-in.		6.00	46.00	
7-in.	\$0.75	9.00		
8-in.	1.00	12.00		
9-in.	1.50	13.00		
10-in.	2.50			
12-in.	3.50 to 5.00			
Boston Fern Baskets, each. \$1.00, 1.50, 2.00				
ASST. FERNS, FOR DISHES, 2-in., \$0.40				
doz.; \$3.00 per 100; \$25.00 per 1,000.				
	Each	Doz.		
Cibotium, 7-inch	\$2.50	\$30.00		
8-inch	3.00	36.00		

Stove and Greenhouse Plants

Aspidistra, Green	\$0.08	per leaf
Variegated	.15	per leaf
Araucarias—		
4-in., 2-3 tiers	\$.50 each;	\$ 6.00 per doz.
6-in., 4-5 tiers	1.00 each;	12.00 per doz.
7-in., 4-5 tiers	1.50 each;	18.00 per doz.
Asparagus Baskets,	\$1.00, \$1.50 and \$2.00	each.
Asparagus Plumosus—		
2-in.	\$.40	per doz.; \$ 3.00 per 100
3-in.	.75	per doz.; 6.00 per 100
4-in.	1.50	per doz.; 12.00 per 100
6-in.	4.00	per doz.; 30.00 per 100
Asparagus, S. D.—		
4-in.	\$1.50	per doz.
Boxwood Bushes—		
8-in. high	\$.25	each
12-in. high	.35	each
18-in. high	.50	each
24-in. high	1.00	each
Boxwood—		
Globe, 18-in. in diameter	\$2.50	each
Cyperus—3-in.	\$.75	per doz.; \$ 5.00 per 100
4-in.	1.50	per doz.; 10.00 per 100
Dracena Indivisa—		
2-in.	\$.30	per 100; \$25.00 per 1,000
7-in.	1.25	each; \$15.00 per doz.
Dracena Massangeana—6-in.	\$1.25	each
7-in.	1.50	each

BULBS.

		Per 100	Per 1000
Cannas, Chicago	.....	\$2.50	\$20.00
Egandale	.....	2.50	20.00
Chas. Henderson	.....	2.50	20.00
Dahlias, Thatcher, double yellow	.....	Per 100	\$12.00
Sylvia, light pink	.....	12.00	
A. D. Livoni, shell pink	.....	12.00	
J. Cowan, single	.....	12.00	
J. Downie	.....	12.00	
Ami Barilet, single	.....	12.00	
Fashion, single	.....	12.00	
Gladiolus—		Per 1000	
Mrs. Francis King, 2nd size	.....	12.00	
Mrs. Francis King, 3rd size	.....	8.00	
Mrs. Francis King, 4th size	.....	6.00	
Ismene Calathina, 1st size, 6c each; 2nd size, 4c each; 3rd size 2c each.			

Stock for Easter Forcing.

Rhododendrons	.....	75c, \$1.00 and \$1.25 each
Azaleas—		
Empress of India	.....	75c, \$1.00 and \$1.50 each
Mme. Van der Cruyssen	.....	75c, \$1.00 and \$1.50 each
Lilac, Marie Legrave	.....	\$1.00 each
Ralmia latifolia	.....	\$1.00 each
Spiraea, Gladstone	.....	\$3.00 per dozen
Queen Alexandra	.....	\$4.00 per dozen
Japan Maples	.....	\$1.00 each

STOVE AND GREENHOUSE PLANTS.

Dracena Terminalis—		
4-in.	\$.35	each; \$4.00 per doz.
Ficus Elastica (Rubbers)—		
6-in.	\$.50	each; \$6.00 per doz.
Ivy, English—		
3-in.	\$.75	per doz.
4-in.	1.50	per doz.
Pandanus Urtis, 3-in., per doz.	.....	\$1.50

PANDANUS VEITCHII.

	Each	Doz.
4-in.	\$0.50	\$5.50
5-in.	.75	9.00
6-in.	1.00	12.00
Tradescantia Variegata (Wandering Jew)—		
2-in.	\$.40	per doz.; \$3.00 per 100

PALMS

KENTIA BELMOREANA.

Pot	High	Leavea	Doz.	100
2 1/2-in.	8-in.	4	\$1.50	\$12.00
3-in.	8-10-in.	4-5	2.00	16.00
4-in.	12-in.	4	3.00	30.00
4-in.	12-15-in.	4-5	4.50	35.00
5-in.	15-18-in.	5-6	6.00	50.00
			Each	Doz.
5-in.	18-20-in.	5-8	\$0.75	\$ 9.00
6-in.	20-22-in.	6-7	1.00	12.00
6-in.	22-24-in.	6-7	1.50	18.00
7-in.	30-40-in.	6-7	4.50	
8-in.	40-45-in.	7-8	6.50	
9-in.	48-50-in.	7-8	8.00	
9-in.	50-54-in.	7-8	10.00	

ARECA LUTESCENS.

3-in., 3 plants in a pot, \$2.00 per doz.; \$15.00 per 100.
 4-in., 3 plants in a pot, \$3.00 per doz.; \$25.00 per 100.
 7-in., 4-5 plants in a pot, 36-in. high, \$3.00 each.
 8-in., 5-6 plants in a pot, 60-64-in. high, \$5.00 each.
 Cocoa Weddalliana, 2 in., \$1.75 per doz.; \$14.00 per 100; 3-in., \$2.50 per doz.; \$20.00 per 100.

KENTIA FOSTERIANA.

Pot	High	Leavea	Doz.	100
2-in.	8-10-in.	4	\$1.50	\$12.00
3-in.	12-14-in.	4-5	2.00	16.00
4-in.	14-16-in.	4-5	4.50	35.00
			Each	Doz.
5-in.	20-24-in.	4-6	\$0.75	\$ 9.00
6-in.	24-30-in.	5-6	1.00	12.00
6-in.	30-36-in.	5-6	1.50	
7-in.	36-38-in.	5-6	2.50	
7-in.	38-40-in.	5-6	3.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP.

	High	In a Pot	Each
7-in.	24-30-in.	3-4	\$ 2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	82-70-in.	4-5	16.00

PHOENIX RECLINATA.

4-in. 25c each; \$3 doz.; \$20 per 100
 5-in. 50c each; \$5 doz.;
 6-in. 75c each; \$9 doz.;

PHOENIX ROEBELINII.

2 1/2-in. \$2.00 per doz.; \$16.00 per 100
 3-in. \$3.00 per doz.; \$22.50 per 100
 5-in. \$9.00 per doz.; \$70.00 per 100
 6-in. \$12.00 per doz.;
 6-in., strong \$2.00 each
 7-in. 2.50 each



Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.



Pteris Cretica, Albo Lineata

We Still Have to Offer

A Fine and Large Stock of

Neph. Whitman, Schollzell, Boston, Scotti, 5½, 6 to 7 in. in sizes, at 35c 40c, 50c, 75c to \$1.00
 Araucaria Excelsa, 5½, 6 to 7 in. in pots, 50c, 60c, 75c, \$1.00 \$1.25 to \$1.50.
 Araucaria Robusta Compacta and Glauca, 6-in. pots \$1.00, \$1.25 to \$1.50.
 Rubbra, 20 to 35 in., 5½, 6 to 7 in. pots, 30c, 40c 50c, 75c to \$1.00.
 Kentia Belmoreana and Fosteriana, single, 50c, 60c, 75c, \$1.00, \$1.50 to \$2.00.
 Kentia Belmoreana, made up, 60c, 75c, \$1.00.
 Asparagus Plumosus, 2½ to 3 in., 3c to 5c; 4-in., 10c. Sprenger, 4 in., 10c.
 Wilsont Ferns, 6-in. pans 25c.
 Begonia Erfordi, Improved, in bloom, 5½ in., 25c.
 Areca Lutescens, 4-in., made up, 1c to 20c; 5½-in., 25c.
 Cocos Weddelliana, 3-in., 15c; 4-in., 20c.
 Primula Chilensis, in bloom, 4-in., 10c; 5½-in., \$2.00 per doz.
 We have a big stock of Azaleas for Easter; best varieties 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.
 Cinnearia Hyb., Aschmann's so well known strain, 3-in., 5c; 4-in., 10c; 5½-in., 25c; 6-in., 35c. Cash with order.

Godfrey Aschmann

WHOLESALE FLORIST,

1012 W. Ontario St., Philadelphia, Pa.

GLADIOLI

Mrs. Francis King,

Mrs. Beecher,

Augusta, Lizzie,

Neginscott, Etc.

Lilies, Summer Flowering
 Bulbs and Hardy Plants

E. S. MILLER, Wading River, N. Y.

Hydrocyanic Acid Gas.

ED. AMERICAN FLORIST:—

Can you kindly tell me what quantity of cyanide it would take to do two houses, each 18x72 feet, 11 feet to ridge, seven feet to gutter. Also advise me how to use it successfully.

Montana. A. R. S.

There are 11,664 cubic feet of space in each house, and one jar containing one ounce of cyanide of potassium and two ounces sulphuric acid in four ounces of water will fumigate 3,500 cubic feet, so each house will require three jars. If the houses are not divided with a partition, it will take six jars, which should be of glass or earthenware—no metal jars should be used. Have the cyanide of potassium weighed out in ounce packages so that touching it with the hands will not be necessary, for it is one of the most virulent poisons and if by any means it touches the hands they should be thoroughly washed at once. Place four ounces of water in each jar and add two ounces of sulphuric acid. Then place the jars equidistant in the house. Start at the end furthest away from the door and drop the cyanide of potassium, in the paper, into the jar, and quickly pass to the other two jars, repeating the operation, and out of the house, closing the door and fastening it, and to prevent any person going in lock the door and post a sign warning them to keep out.

Under no circumstances tarry over the jar, for the gas is deadly poison to anything that breathes it, in fact, the best way is to fill the lungs before dropping the first package and then not breathe until out of the house. If it is necessary to fumigate both houses at once, as it will be in case there is no partition, it will require

Carnation Novelties

We can still quote February delivery on "Wodenethe" and "Brooklyn," at \$12.00 per 100; \$100.00 per 1000.

It will pay you to come and see these two varieties growing.

Still booking orders for

"SUNBURST,"

The Grand New Yellow Rose.

\$30.00 per 100; \$250.00 per 1000, own root.
 Grafted plants, 5c extra.

By the way, our catalogue was mailed you. Did you receive it? If not, we will only be delighted to send you another.

CHAS. H. TOTTY, Madison, N. J.

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Don't Delay
 Ordering

CARNATION BENORA

NOW for seasonable delivery.

Write for descriptive circular. Cultural directions with each shipment.

\$12.00 per 100; \$100.00 per 1000.

PETER FISHER, Ellis, Mass.

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M. LEENDERS & COMPANY,

ROSE GROWERS Tegelen, Holland.

WRITE FOR PRICE LIST.

Alternantheras.....

Strong, well rooted cuttings, the kind that will please you.

P. Major, red.....50c per 100; \$4.00 per 1000

A. Nana, yellow.....50c per 100; 4.00 per 1000

Brilliantissima.....60c per 100; 5.00 per 1000

J. W. DAVIS, 225 W. 16th Street,
 Davenport, Iowa.

two men who work simultaneously. The fumigation should be done when the house is dry and the temperature not above 60°. Leave the house closed all night and in the morning open doors and, if possible, ventilators, before entering the house. The deadly qualities of both gas and cyanide should never be forgotten and caution exercised in its use. W.

SYRACUSE, N. Y.—Stewart C. Baker has filed a petition in bankruptcy with stated liabilities of \$1,839 and assets of \$156.

Orchids

Our First Collections Come in April.

CATTLEYA
 Labiata
 Perc vallana
 Trianae
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CATTLEYA
 Wendellii
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Will you receive yours from the First importations?
 Send for Catalogue.

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(Osmunda Fibre)

Price Lists and Samples on request.

THE G. W. BROWNELL CO.,
 WALDEN, N. Y.

Heacock's Palms and Ferns HOME GROWN. Strong and Well Established.

Our Palm sales have increased over 44% during the year 1911 over their sales during the previous year. We are still strong on the following sizes.

Kentia Belmoreana.			
Pot.	Leaves.	In. high.	Each Doz.
2½-in.	4	8 to 10	\$1 50
3-in.	5	12	2 00
5-in.	6 to 7	18	\$0 50
6-in.	6 to 7	24	1 00
Ced'r tub. L'va. In. high. Each Doz.			
7-in.	6 to 7	34 to 36	\$2 50
7-in.	6 to 7	36 to 38	3 00
9-in.	6 to 7	40 to 45	4 00
9-in.	6 to 7	42 to 48	5 00
9-in.	6 to 7	48 to 54	6 00
Cocos Weddelliana.			
Pot.	In. high.		100
2½-in.	8 to 10		\$10 00

Kentia Forsteriana.			
Made Up.			
Cedar tub.	Plants.	In. high.	Each Doz.
7-in.	4	36	\$2 50
7-in.	4	36 to 40	3 00
9-in.	4	40 to 42	4 00
9-in.	4	42 to 48	5 00
Clbotium Schledel.			
Cedar tub.	Spread		Each
9-in.	4 to 5 feet		\$4 00 to \$5 00
9-in.	5 to 6 feet		6 00

Areca Lutescens.			
Cedar tub.	Plants in tub.	In. high.	Each
9-in.	Several	5 ft.	\$7 50
Phoenix Roebeleni.			
Pot.			Each
5-in.	nucely characterized		\$1 00
6 in.,	18 to 20-in. spread		1 50
Cedar tub.			
7-in.	High.	Spread.	Each
	18-in.	24-in.	\$2 00

JOSEPH HEACOCK CO., Wyncote, Pa. Railway Station, Jenkintown.

200,000 CARNATIONS

We are rooting over 200,000 this season. Our stock of Pure White Enchantress and Enchantress is hard to beat.

Enchantress	100	1000
Pure White Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Mrs. C. W. Ward	3.50	30.00
Dorothy Gordon	3.50	30.00
White Wonder	6.00	50.00

250 at 1000 rates. Cash or reference.
Smith & Gannett, Geneva, N. Y.
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ROOTED CUTTINGS

Prepare NOW for Spring. NOW is the time to buy the cuttings. They are good now. If you wait until late Spring you cannot get as good. Our cuttings now are grand, and will make the price as follows for a few weeks: VERBENAS, 60c per 100; \$5.00 per 1000. SALVIAS, 80c per 100; \$7.00 per 1000. COLEUS, 70c per 100; \$6.00 per 1000. GIANT DBL. ALYSSUM, 80c per 100. AGERATUMS, 60c per 100; \$5.00 per 1000. PETUNIAS, \$1.25 per 100; \$10.00 per 1000. PELARGONIUMS, \$2.50 per 100; \$22.00 per 1000. HELIOTROPE, 80c per 100; \$7.00 per 1000. DAISIES, \$1.00 per 100; \$8.00 per 1000. Express paid. Cash with order.

S. D. BRANT, Clay Center, Kansas.
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Boston Ferns...

2½-in., \$3.00 per 100; \$30.00 per 1000.
WHITMANI
2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rates.
HENRY H. BARROWS & SON, Whitman, Mass.
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—For the Best New and Standard—

DAHLIAS

—Address—
Peacock Dahlia Farms,
P. O.: Berlin, N. J. Williamstown Junc., N. J.

DAHLIAS

The best New and Standard varieties. Send for Wholesale Price List.

BASSETT & WELER
HAMMONTON, N. J.

STOCK ALWAYS NEEDED

Small Ferns, for dishes, Pteris Mayi, Serrulata Cristata Variegata, Wimssetti, Cretica Alba Lineata, \$3.00 per 100, \$25.00 per 1000.
Aspidium Tsussimense and Cyrtotium Falcatum, \$3.50 per 100, \$30.00 per 1000.
Asparagus Plumosus, 2½-in., \$3.00 per 100, \$25.00 per 1000.
Asparagus Sprengeri, 2½-in., \$2.50 per 100, \$22.00 per 1000.
Pandanus Utilis, 8-in., \$10.00 per 100; 4-in., \$20.00 per 100.
Cocos Weddelliana, 2½-in., \$10.00 per 100.
Anthericum Variegatum, 4 in., strong, \$8.00 per 100.

Rhododendron, Special forcing varieties, 8 to 12 buds, 18 in. high, 75c each; 12 to 14 buds, 24 in. high, \$1.00 each. Bright colored sorts with perfect foliage.
Azaleas Mollis, easily forced, 12 to 15 in. high, full of buds, 25c each; 15 to 18 in. high, full of buds, 35c each.
Kentia Belmoreana, 6 in. pots, 5 to 6 leaves, 24 in. high, \$1.00 each; 7 in. pots, 6 leaves, 24 to 26 in. high, \$1.50 each.
Kentia Forsteriana, 7 in. pots, 40 to 44 in. high, 5 to 6 leaves, \$2.50 each; 8 in. pots, 44 to 48 in. high, 5 to 6 leaves, \$3.50 each.

BEDDING STOCK

Heliotrope, Czar, Czarina, Jersey Beauty, etc., \$2.50 per 100.
Coleus, Beckwith Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100, \$20 per 1000.
Geraniums, standard market sorts, \$3 per 100, \$25 per 1000.
Flowering Begonias, good assortment, \$3 per 100.

Croton Aurea Maculata, 3-in. pot plants, \$8 per 100.
English Ivy, strong 4-in., 3 to 4 ft. of tops, \$12 per 100; 2-in. pots, \$3.50 per 100.
Violets, Hardy English or Russian, 2-in., \$5 per 100, \$45 per 1000.

Forcing Spirea Clumps, Extra Quality

	Per 100	Per 1000
Floribunda	\$ 5.00	\$45.00
Gladstone	10.00	90.00
Superba	6.00	

No better proposition for Easter or Memorial Day.
THE STORRS & HARRISON CO., Painesville, O.

PALMS, FERNS AND

Decorative Plants
JOHN SCOTT, BROOKLYN, N. Y.
Rutland Rd. & E. 45th St.
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PRIMULAS, Obconica and Chinese, in bloom, \$5.00 per 100; 2½-in., ready for 4 in. pots, \$1.50 per 100, \$12.50 per 1000. SPRENGERI, fine 2½-in., \$1.50 per 100, \$12.50 per 1000. CINERARIAS, Dwarf Prize: SNAPDRAGONS; BOUBLE ALYSSUM; HELIOTROPE: fine 2½ in., \$2.00 per 100, 300 for \$5.00. FERNS, Whitmani, 4-in., \$10.00 per 100. HARDY IVY, 3 to 4 ft., 4-in., fine, \$8.00 per 100. VINCA, Variegated, 4-in., \$7.00 per 100.

J. C. SCHMIDT, Otter and Maple Sts., BRISTOL PA.
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Asparagus.....

Plumosus, 2½-in. pots... \$18 00 100 \$2 00
Primroses
Obconica Gigantea 2½-in. pots... \$2 50
Obconica Alba and Rosea, 2½-in. pots.. 1 50

Single Grant Geraniums
2½-inch pots per 100, \$1 50
Alternanthera, rooted cuttings, red and yellow per 100, 50c
Canna Chas. Henderson, dry bulbs, 2 and 3 eyes..... per 100, \$2.00
Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.
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Carnations, Washington, \$6 per 100; \$50 per 1,000; Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000; Beacon, \$3 per 100; \$25 per 1,000; White Enchantress, \$3 per 100; \$25 per 1,000; May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

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Chrysanthemums, Enguehard, Bonaffon, Nonin, \$2 per 100; \$17.50 per 1,000. A. M. Herr, Lancaster, Pa.

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Clematis. W. & T. Smith Co., Geneva, N. Y.

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Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, Brilliantissima, 2-in., \$3 per 100; 3-in., \$4. G. Bedder, Verschaffeltii, Queen Victoria, 2-in., \$2; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, 2-in., Pfister, Beckwith's Gem, G. Bedder, Verschaffeltii, \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus, Verschaffeltii and G. Bedder, \$6 per 1,000; standard assorted, \$6. A. M. Herr, Lancaster, Pa.

Coleus, 70c per 100; \$6 per 1,000. S. D. Braut, Clay Center, Kans.

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Croton, Aurea maculata, 3-in., \$8 per 100. Storrs & Harrison Co., Painesville, O.

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Dahlia. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlia. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlia, new and standard varieties. Bassett & Weller, Hamonton, N. J.

Dahlia, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

Daisies, Giant Paris, from 2 1/2-in. pots, \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Queen Alexandra Marguerites, extra fine plants, 2 1/2-in. ready for shift, \$2 per 100. Cash. C. A. Musser, Doylestown, Ohio.

Shasta daisies, strong, divided roots, \$22 per 1000; \$2.50 per 100. Cash with order. Las Palmas Greenhouses, P. O. Box 453, Palo Alto, Calif.

Daisies, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

Marguerites, yellow, cuttings, \$6 per 1,000; \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DEUTZIAS.

Deutzia gracilis, 20c each; \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracena indivisa, 2-in., \$3 per 100; \$25 per 1,000; 7-in., \$1.25 each; \$15 per doz. Dracena Massangeana, \$1.25 each; 7-in., \$1.50 each. Dracena terminalis, 4-in., 35c each; \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 6-in., \$15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracena indivisa, 3-in. pots, \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emms, Newton, N. J.

FERNS.

Ferns, Boston, 2-in., \$3 per 100; \$25 per 1,000; 3-in., \$1 per doz.; \$8 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; \$45 per 100; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz.; 10-in., \$2.50 each; 12-in., \$3.50 to \$5 each. Boston fern baskets, \$1, \$1.50 and \$2 each. Assorted ferns for dishes, 2-in., 40c per doz.; \$3 per 100; \$25 per 1,000. Cibotium, 7-in., \$2.50 each; \$30 per doz.; 8-in., \$3 each; \$36 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes, Pteris Mayll, Wilsoni, Winsetti and Alba lineata, 2 1/2-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 3-in. Pteris Wilsoni and Winsetti, 85c per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns for dishes, Pteris Mayll, Serrulata cristata variegata, Winsetti, Cretica albo lineata, \$3 per 100; \$25 per 1,000. Aspidium trusimense and Cyrtium falcatum, \$3.50 per 100; \$30 per 1,000. Storrs & Harrison Co., Painesville, O.

ROOSEVELT FERN is a winner. We offer 2 1/2-in., \$2 per doz.; \$15 per 100; 3-in., \$2.50 per doz.; \$17.50 per 100. F. O. B. here. THE CONARD & JONES CO., West Grove, Pa.

5,000 Boston ferns for 6-in., 25c; strong, healthy stock. Orders hooked now for Boston and Whitman, strong runners for 2 and 3-in., \$20 per 1,000. Cash. A. G. Lake, Wellesley Hills, Mass.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000. Ferns, strong plants, 2-in., \$3 per 100; \$25 per 1,000. Adiantum Farleyense, strong plants, 4-in., \$4 per doz. Cash please. Roher & Radke, Maywood, Ill.

Ferns, Amerpohl, Barrowsii, Scotti, Eleganissima, Boston, Jacksoni, Sword and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dingee & Coard Co., West Grove, Pa.

Ferns, Boston, Whitmani, Scholzeli, Scotti, 4-in. pots, \$2 per doz.; 5-in. pots, \$3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitmani, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 50c at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns, 4-in., \$12 per 100. Boston, Barrowal, Eleganissima. Also 2 1/2-in., Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emms, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, large double white, \$1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus elastica, 6-in., 50c each; \$6 per doz. Ficus ripens, 2 1/2-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, \$25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

S. A. NUTT.
Strong select top cuttings, well rooted, \$1.50 per 100; \$14 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, standard sorts, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Geraniums, Ricard and Poltevine, \$14 per 1,000. S. A. Nutt, \$11.50. A. M. Herr, Lancaster, Pa.

Geraniums.—For varieties and prices see advertisement on front cover of this issue. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poltevine, 2-in., \$2 per 100. Geo. M. Emmaus, Newton, N. J.

Geraniums, assorted, large proportion Nutt, Richard Doyle, rooted cuttings, \$1 per 100. Edward Wallis, Atco, N. J.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 35-40 Broadway, Detroit, Mich.

Greens of all kinds. For prices see advertisement elsewhere in this issue. J. H. Von Canon & Co., Banners Elk, N. O.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodman Co., Evergreen, Ala.

Wild smilax and leucothoe. Louisville Floral Co., Louisville, Ala.

Greens. Henry M. Robinson & Co., 46 W. 26th St., New York.

HARDY PLANTS.

Herbaceous plants. Bobbink & Atkins, Ruthersford, N. J.

HOLLYHOCKS.

HOLLYHOCKS.—A fancy mixture of the Allegheny strain. Pure, clean seed, \$4 per lb. Why not grow your own plants? W. W. Wilmore, Box 332, Denver, Colo.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 2-in., \$2 per 100; 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago.

Heliotrope, Albert De Laux, Chieftain, Mme. Brant, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope, 80c per 100; \$7 per 1,000. S. D. Brant, Clay Center, Kans.

HYDRANGEAS.

Hydrangea Otaksa, 6-7 inch, 3 to 4 flowering stems, \$5 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Parlor ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivies, German, 60c; Eng., 75c; prepaid. Chas. Frost, Konlworth, N. J.

English ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, M. Legraye, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the valley, Berlin and Hamburg gradea. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, Chicago Market Brand, \$2 per 100; \$16 per 1,000. Early forcing Valley, \$1.50 per 100; \$14 per 1,000. H. N. Bruns, 3038-40-42 W. Madison St., Chicago.

LOBELIAS.

Lobelias Knthicen Mallard, rooted cuttings, \$3 per 1,000; 2-in., \$3 per 100; \$25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

MOSS,

Log moss, 3c; Ivy sad laurel, 2c. Jos. Williams, Browns, Tenn.

Sphagnum moss, 12 bbl. bale, \$3.50. Green moss, \$1 per bbl. James Day, Milford, N. H.

MUSHROOM SPAWN.

Mushroom Spaw. Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Althens, Hydrangeas, Privet, Barberies, Philadelphia, Splena, Deutzias, Forsythias, Welgelas, Viburnums.

Write for prices and sizes. THE CONARD & JONES CO., West Grove, Pa.

900 White Snowberry, 2 1/2 to 3 1/2 feet, \$6 per 100. 1,500 Golden Willow, 3 to 4 feet, \$5 per 100. 800 Buckthorn, 4 to 5 feet, \$6 per 100. 1,900 Spirea Van Houttei, 2 1/2 to 3 1/2 feet, \$8 per 100. HENRY LAKE SONS CO., Nurserymen, Black River Falls, Wis.

Japan Maple, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya and Laelia Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Welden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$1.50 per doz. Veitchii, 4-in., 50c each; \$5.50 per doz.; 6-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

KENTIA BELMOREANA, 2 1/2-in. pots, 10-15 inches tall, four or more characterized leaves, \$3 per 100 and worth the money. Jackson & Perkins Co., Newark, New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

SOMETHING NEW, something different from our gardens, the PANSY WONDERLAND. New color. Plate catalogue ready in February tells all about "MASTODONS," the premier mixed strain of pansies. Plants per 100, 50c; per 1,000, \$3; seed, 1-12 oz., \$1; oz., \$9. STEEL'S MASTODON PANSY GARDENS, Portland, Ore.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, guillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, transp. seedlings, \$5 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, dbl. mixed and white, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5 1/2 and 6-in., 35c to 50c. Godfrey Aachmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIMULAS.

Miller's Giant Obconica, average larger than silver dollars. Fine 3-inch, \$5 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Primulas. For varieties and prices see advertisement elsewhere in this issue. Bees, Ltd., 179 Mill St., Liverpool.

PRIVET.

200,000 Cal. Privet, 2-year, \$12 per 1,000; 4 to 6 branches and up; large stock Ampelopsis Veitchii, Clematis, Paniculata, 1, 2 and 3-year-old; fine stock Hydrangeas, English Ivy, Shrubs, Vines, Dahlias and Cannas. Get my list; it will pay you. Benj. Coppell, Florist, Merchantville, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 8 to 12 buds, 18 ins., 75c each; 12 to 14 buds, 24 ins., \$1 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 ins. named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

Rhododendrons, 75c, \$1 and \$1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROSES.

ROOTED CUTTINGS.

American Beauty 100 1,000 \$1.50 \$40.00
Richmond 2.00 15.00
Pink Killarney 3.00 25.00
White Killarney 2.50 20.00

RICHMOND BENCH PLANTS.

1 year old, \$6 per 100; \$50 per 1,000. Satisfaction Guaranteed—Ready Now. GEO. REINBERG, Chicago, Ill.

162 N. Wabash Ave.

ROSES. Send for complete list.

American Pillar, 3-year.....\$35.00
American Pillar, 2-year..... 25.00
Dorothy Perkins 12.00
Lady Gay, 4 to 5 ft..... 16.00
THE CONARD & JONES CO., WEST GROVE, PA.

ROSES.—Fine healthy stock. White and Pink Cochet, Souv. de P. Notting, Apricot, Clo. Souper, Grass an Tepitz, Sunrise, Frans Deegan, Wellesley, Mrs. B. R. Cant and Climbing Souper, 2-in., \$3 per 100. Wagner Park Conservatories, Sidney, O.

ROSES. Own-root. My Maryland, Pink Killarney, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthus, Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Kaiserin, \$3.50 per 100; \$25 per 1,000; Perle, \$5.50 per 100; \$25 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Rose—Double White Killarney. A. N. Pierson, Inc., Cromwell, Conn.

Roses. M. Leenders & Co., Tegelen, Holland.

Rose Lady Hillingdon. Wnban Rose Conservatories, Natuck, Mass.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

Rose White Killarney. A. N. Pierson, Inc., Cromwell, Conn.

Roses. Leddie Floral Co., Springfield, O.

SALVIAS.

Salvias, rooted cuttings, Bonfire, Zurich, \$6 per 100; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Salvias, Bonfire, Zurich, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Salvias, 80c per 100; \$7 per 1,000. S. D. Brant, Clay Center, Kans.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 tr.	Tr.
Begonia Bedding Queen, finest pink	\$2.50	\$0.50
Gracilis limosa, finest red	2.50	.50
Triumph, finest white	2.50	.50
O. V. Zangen,	Hoboken, N. J.	

European gladiolus seed from W. Manger & Sons' unrivalled collection. 1,000 seeds in original packets, \$1.00. Cash with order. H. Yonell, 533 Cedar St., Syracuse, N. Y., Agent for U. S. and Canada.

Seeds, Specialties: Beet, carrot, sweet corn, peas, beans, onion sets, seed potatoes. S. D. Woodruff & Sons, Orange, Conn., and New York City.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, Asparagus plumosus nanus, per 100 seeds, 60c; 250 seeds, \$1.25; 1,000 seeds, \$4; 5,000 seeds, \$3.75 per 1,000. Vaughan's Seed Store, Chicago and New York.

Flower Seeds. For varieties and prices see advertisement elsewhere in this issue. Currie Bros. Co., Milwaukee, Wis.

Seeds, vine seeds, Rocky Ford cantaloupe, muskmelon and cucumber seed. The Ebbert Seed Co., Rocky Ford, Colo.

Seeds, Huntington's asters. For varieties and prices see advertisement elsewhere in this issue. Ralph E. Huntington, Painesville, O.

Seeds, pansy, 1,000 mixed, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Flower seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seeds, lawn grass. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Onion seed and onion sets. Schilder Bros., Chillicothe, Ohio.

Seeds. Former Seed and Nursery Co., Fairbault, Minn.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, sunflower, \$3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

SMILAX.

Smilax, 3-in. pots, \$4 per 100. C. Eissele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spiraea Gladstone, \$3 per doz. Queen Alexandra, \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Spires, clumps. For varieties and prices see advertisements elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

STRAWBERRY PLANTS.

Fall Bearing Strawberry Plants, best varieties. Catalogue free. Basil Perry, Cool Spring, Del.

TRADESCANTIA.

Tradescantia, variegated, 2-in., 40c per doz.; \$3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VERBENAS.

VERBENAS—Our selection of rooted cuttings, 75c per 100; \$6 per 1,000. Plants, 2 1/2-in., \$2.50 per 100; \$20 per 1,000. Purchaser's Selection, rooted cuttings, 90c per 100; \$8 per 1,000. Plants; \$3 per 100; \$25 per 1,000. NEW VARIETIES, cuttings, \$1 per 100; plants, \$4 per 100. J. L. DILLON, Bloomsburg, Pa.

Verbenas, 5 colors, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Verbenas, 60c per 100; \$5 per 1,000. S. D. Brant, Clay Center, Kans.

Lemon Verbenas, rooted cuttings, 75c per 100. prepaid. Chas. Frost, Keelworth, N. J.

Lemon Verbenas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

VINCAS.

Vincas, 2-in., \$2.50 per 100; 3-in., \$5; 4-in., \$2 per doz.; \$15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vincas, new golden (minor aurea), 3-in., \$2 per doz.; \$15 per 100. Wm. Tricker, Arlington, N. J.

TO EXCHANGE.

To Exchange—R. C. of Exchantrass, May Day, Scarlet Glow and White Perfection, also rose plants both field and pot grown, summer propagated, including such varieties as Lady Hillington, Ward and the Killarneys. Write for list, For 3 1/2, 4, 5 and 6-in. Boston, Whitman, Scott, Elgantissima or any other plume fero. Rosemont Gardens, Montgomery, Ala.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3505 Shilda Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Gihlin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material, Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitches & Co., 1170 Broadway, N. Y.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Steel and Iron work. Scully Steel and Iron Co., Chicago and New York.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest article for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 33-40 Broadway, Detroit, Mich.

INSECTICIDES.

Insecticides, Aphine, \$1 per quart; \$2.50 per gal. Pungline, 75c per quart; \$2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, \$1.50. Nikoteen Aphid Punk, \$6.50 per case of 12 paraffined boxes.

FERTILIZERS.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

Domoto plant food, 25c per package. North American Mercantile Co., San Francisco, Calif.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John O. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitches Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters. Jennings' improved iron gutters. Miller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MATS.

The cheapest and most practical Hotbed and Cold Frame Mat on the market. Send for circular and price list. Watts Bros., Kerrmoor, Pa.

MISCELLANEOUS.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galeburg, Ill.

Tobacco stems. H. Munson, 1405 Wells St., Chicago.

Cut flower and design boxes, all sizes. O. C. Pollworth Co., Milwaukee, Wis.

Baskets, pansy and verbenas, 9 ins. long, 6 ins. wide, 3 ins. deep per 1,000, \$9; 15 ins. long, 7 1/2 ins. wide, 4 ins. deep, \$15. Coles & Co., 109-111 Warren St., New York.

Folding Flower Boxes. For sizes and prices see advertisement elsewhere in this issue. A. A. Arnold, 16 to 22 S. Peoria St., Chicago.

Superior hanging baskets. E. G. Gillett, 131 E. 3rd St., Cincinnati, O.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hotbeds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Fruit baskets, pansy baskets, Veneer planting pots. Webster Basket Co., Webster, Monroe Co., N. Y.

Deenison's florists' tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Baskets, Easter assortment from \$5 up. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Olmsted's Improved Reliable Mole Trap. L. H. Olmsted's Son, Hansbrouck Heights, N. J.

Florists' Supplies. Henry M. Robinson & Co., 46 W. 26th St., New York.

Gold leaf letters and initials. American Importing Co., 219 South Dearborn St., Chicago.

Iron Reservoir Vases. Washington Iron Works, Buffalo, N. Y.

Olmsted's Improved Reliable Mole Trap. L. H. Olmsted's Sons, Hansbrouck Heights, N. J.

POTS, PANS, ETC.

The Red Pot. O. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c per 1,000, \$5. Vaughan's Seed Store, Chicago.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Which Result will YOU Show Next Easter?

This Florist did NOT use a GIBLIN Boiler

UNINFORMED FLORIST

Cost of Winter's Heating

Net Cost of Boiler \$150.
 Fuel for Winter - 100.
 Extra Labor Attending to Boiler 150.
 Loss of Planting by Attending to Boiler 750.
 Cost of Repairs for last of Year 50.
 Distribution & Labor Loss of Customers ?
\$1200

WELL-INFORMED FLORIST

Cost of Winter's Heating

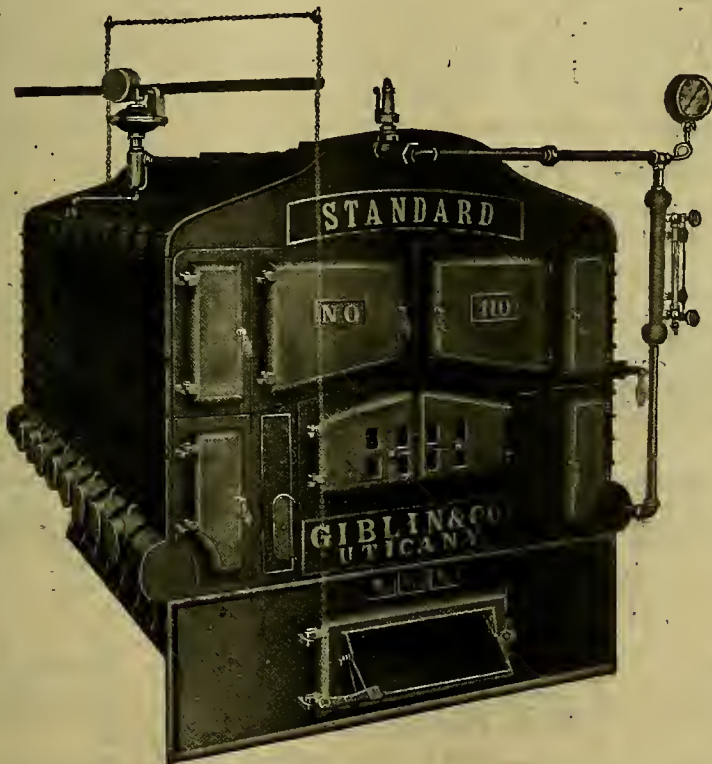
Net Cost of Boiler \$200.
 Fuel for Winter - 60.
 Extra Labor Attending to Boiler 0.
 Cost of Repairs 0.
 Loss of Planting by Attending to Boiler 0.
 Distribution & Labor Loss of Customers 0
\$260

This Florist DID Use a GIBLIN Boiler

Use our **GIBLIN "STANDARD" GREENHOUSE BOILER**

Will It Cost You \$260 or \$1200?

Study our illustrations—see how a certain greenhouse man paid \$260.00 for his boiler and fuel during the winter—while his neighbor tried to save money by buying a "cheap" (?) boiler and sank \$1200.00.



The man who spent \$260.00 used our **GIBLIN "Standard" Greenhouse Boiler**.

It is the biggest saver you can put into your greenhouse.

Philip Warner Newtonville, N. Y., in August 1911, bought one No. 408 Giblin Standard Greenhouse Boiler. January 7th, 1912, the thermometer was 12 degrees below zero outside with a strong gale blowing. He fixed his fire at 8 P. M. and every part of the greenhouse registered 52 degrees, the temperature desired. Because of the wildness of the night, he arose at 2 A. M. and found every part of the greenhouse 52 degrees; and the fire in good condition. Because he was up, he placed a very small quantity of fuel on the fire and went to bed until 6 A. M. He then found the fire in splendid condition; the thermometer registering 52 degrees in all parts of the greenhouse, with conditions unchanged outdoors. **The boiler that will heat a greenhouse ten hours without attention when the thermometer is 12 degrees below zero and a gale blowing, is the boiler every florist wants in his greenhouse.**

Can you afford to disregard the importance of this showing.

You save money every year you use our **GIBLIN "Standard" Greenhouse Boiler**, by reducing your fuel consumption, repairs and labor cost to the minimum.

Not a "Cheap" Outfit.

Although we offer an extra discount of 25 per cent (in addition to our liberal regular discount) for the purpose of introducing our boiler in your neighborhood, this is not a "cheap" outfit. The price is right for the grade and quality of workmanship we put into it—the very best.

☞ You want a boiler that requires very little attention and leaves you free to devote your valuable time to more important things. Neither you nor your men relish getting up at midnight, 3 a. m. and sunrise to feed a hungry heater.

☞ The **GIBLIN "Standard"** requires attention only once in twelve hours in ordinary weather.

It economizes on repairs because of its unusually sturdy construction. All of the castings are tested at pressure of 65 pounds to the square inch—far more than they will ever undergo in actual use. Our boiler will last a lifetime, and once you've bought it your heating worries are off your mind for once and all. Can you say the same about your present boiler?

Wouldn't it pay you to "scrap" the outfit you now have and start saving by using a GIBLIN "Standard"?

CAN MAKE IMMEDIATE SHIPMENT OF TELEGRAPH ORDERS

GIBLIN & CO., 109 Broad Street,
 UTICA, N. Y.

FOLEY MFG. CO, Western Agents, 2542 So. Western Ave., CHICAGO.

Servant lady,
Rather green;
Balky fire,
Gasoline.
Pours the fluid,
Travels far.
Floral token:
"Gates Ajar."

Real Botanical.

Any book published by the American Lumberman, of Chicago, ought to have the sound of the pines in it; and this, at least, may be said of Douglas Malloch's "In Forest Land." Passing by the more serious poems and the dialect humor, take this bit of scientific realism, called "The Love of a Botanist":

I long for the land of the pinus palustris
Where the liriodendron is bursting to bloom,
Where taxodium distichum faithful, industrious
Is waving in sadness o'er Clementine's tomb.
'Twas under the spreading hickory pecan
We pledged our fond love by the light of the stars;
"If any be faithful," we whispered, "then we can,"
While leaning at eve o'er the franixus bars.
A flower from the sweet asimina triloba
She pinned on my coat as I bade her farewell;
But her love grew as cold as the far Manitoba
And my hopes like the frost-bitten autumn leaves fell.
They planted catalpa, the fair speciosa,
They planted the bush and the tree and the vine,
They planted a sprig of robinia viscosa
And, underneath these planted poor Clementine.

Spineless Cactus.

Luther Burbank, plant wizard, caused a sensation at the annual convention of the California Fruit Growers at Santa Rosa last month by unfolding the possibilities which he has learned exist in his spineless cactus.

Burbank declared that he has discovered that the leaves could be converted into paint and whitewash, that the fruit was more delicious than strawberries and that the spine of the plant had proved an excellent substitute for rubber in making automobile tires and for wood pulp in the manufacture of paper.

Some day his powers of invention
Will bring to light that Fourth Dimension;
He'll make it out of cactus.

The world's supply of nitrogen
Some day will peter out, and then
He'll make it out of cactus.

No longer trust the sporting dope
That finds in sight no White Man's Hope,
He'll make it out of cactus.

Look up, despairing eyes that blink
In vain, to glimpse the Missing Link!
He'll make it out of cactus.

The royal road to wealth and fame,
Which now is nothing but a name—
He'll build it out of cactus.

When Science ceases, baffled, checked,
Its search the atom to detect,
He'll find the thing in cactus.

When all the trees on earth have passed,
And Conservation stands aghast,
He'll make wood out of cactus.

So, when at last good men would rise
From earth to mansions in the skies,
Beyond the bounds of peace and time,
It follows that they'll have to climb
A ladder made of cactus.

—Chicago Tribune.

Some Ideas on Ventilation of Greenhouses

ANYBODY can arrange vent sashes so you will have air enough, but that's a small part of greenhouse ventilation. What you also want is that the hand wheels shall be placed in a convenient location, so as to save all time possible in operating the vents. If you can open and close both sides of the ridge from the same walk at practically the same time, it's a big advantage. If you can close them or open them without straining and twisting, it's also an advantage. If your apparatus does not require frequent adjustments or repairs, it's still another advantage.

If the firm you buy it of thoroughly understands solving all kinds of greenhouse ventilating problems in the most practical and inexpensive way for your particular house — then if their apparatus is right, you better buy of them.

Why not find out if Hitchings are not just the firm with just the apparatus you want? Better write them.

Hitchings & Company

General Offices and Factory:
ELIZABETH, N. J.

NEW YORK OFFICE:
1170 Broadway.

Mention the American Florist when writing



This shows sash on opposite sides of the ridge, operated from the same walk. Is that the way you want yours?

To Tell All the Good Points of Our Construction

in this advertisement are planning any tions, it will pay

is impossible. If you rebuilding or adding you to write us.

TRUSSED
SASH BAR
AND
IRON FRAME
HOUSES



CONCRETE
BENCH MOULDS
AND
GREENHOUSE
APPLIANCES

Mention the American Florist when writing

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON GUTTER.

VENTILATING
APPARATUS

IMPROVED VAPORIZING PANS
FOR Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Fifth and Berk Streets, PHILADELPHIA.

These Six Men Strike the Nail on the Head About Our Iron Frame House.



J. Frank Edgar,
Waltham, Mass.

"The house you erected for me last year has proven satisfactory in every way, and in this house I believe I have the maximum of strength, durability and light."



E. N. Kroninger,
Allentown, Pa.

"The things we know about and are enthusiastic about, are the things we take pleasure in thoroughly endorsing. That's the way I feel about the Iron Frame Houses that Lord & Burnham Company erected for me two years ago. I was slow in buying them, but now I am sure the buy was a right one."



Edward Brockmann,
Irondequoit, N. Y.

"The greenhouse material you shipped to me last spring is very satisfactory. The galvanized iron, ice-clearing eave plate and sash bar clasps make an everlasting job. The 1 1/4-inch columns set in concrete, in combination with the cross ties, give great strength to the giant arch. The entire construction has a neat appearance, in which we take much pride."

"I like your materials because they are so easy to erect, and that's why I gave you an order for that last house this fall."



Dell Titus,
Irondequoit, N. Y.

"I have at the present time eleven of the Lord & Burnham greenhouses, and I do not think there are any better."



Alban Harvey & Sons,
Brandywine Summit, Pa.

"The erection cost on your Sectional Iron Frame House is less than any other construction. With our own men we erected the entire iron frame of a house 42 ft. x 250 ft. in a little less than two days. Furthermore, anyone buying a house from Lord & Burnham Co. will be assured of pleasant and honorable dealing."



Stephenson Mortensen,
Southampton, Pa.

"The fact that we gave your representative an order for a 300-foot addition to our first Lord & Burnham house, is pretty conclusive evidence how well we were pleased."

Lord & Burnham Co. Factories: Irvington, N. Y., and Des Plaines, Ill. New York St. James Bldg. Boston Tremont Bldg. Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg.

Mitchell, Ont.

We have passed through the coldest January we ever had. For 24 days the thermometer was below zero, some of the time as low as 25° below. It has been simply to shovel coal and fight Jack Frost, but February 1 brought bright sunshine and milder. Flowers have been very scarce, but a few bright, sunny days will bring the plants into bloom.

The Mitchell Nursery Co. have had a good cut ever since October. A. Niel and T. Davis, two prominent florists of Stratford, visited the place last week. The firm now has a large stock of Asparagus plumosus plants.

PROSPECT.

UTICA, N. Y.—Dwight W. Davis & Co., who have conducted a florist and seed store on Blandina street, have removed to 344 Columbia street.

More Bench Room

KING

SHELF BRACKETS

Will do it for you, and as for GREENHOUSES AND FITTINGS

We are Headquarters. Our imitators are many but they are behind the procession.

LET US FIGURE WITH YOU.

KING CONSTRUCTION CO.

Central Office and Works: NORTH TONAWANDA, N. Y. Eastern Sales Office: No. 1 Madison Ave., NEW YORK

Aphine

The Insecticide that kills plant Lice of every species.

Grand Rapids, Mich., February 6, '12.
THE APHINE MANUFACTURING CO.,
Madison, N. J.:

Gentlemen: In reply to your letter of January 27th, will say that we have been using FUNGINE on lettuce for dry wilt, on roses for mildew, also on growing tomato plants. We are very much pleased with the success that we have had with it.

We use the APHINE for lice on lettuce, instead of — (a nicotine preparation) and other mixtures. We also find this to be very successful.

Kindly advise us if you put this up in barrel lots. If so, give us prices, as we will be using more and more of this FUNGINE as the season advances.

We will be glad to refer any of the Grand Rapids growers to these products.

Yours very truly,
GRAND RAPIDS GREENHOUSE CO.

FUNGINE

For Sale by Seedsmen.

Manufactured by
Aphine Manufacturing Company
MADISON N. J.

Mention the American Florist when writing

Denver.

There has been some improvement in business the past week and also in the quality of stock, especially roses. Last week there were very few tea roses that could be classed as of good quality. This week there are some that have the ear-marks of specials. In another week there will be plenty of all grades and of better quality. American Beauties have been especially scarce, but they are coming now in better shape and of good color. Carnations are plentiful, but there has been considerable shipping which has helped to reduce the stock and keep the prices steady. Daffodils have had a good week and nearly all have been cleaned up. Sweet peas are of good quality, though the supply is a little short of the demand which is no doubt due to the cloudy weather. There is a good demand for violets. Daffodils, tulip and hyacinth pans are selling well.

FLORISTS' CLUB MEETING.

The regular meeting of the Colorado Florists' Club was held Monday, February 5, and an interesting programme was arranged. Wm. Horlacker read a paper relating to the growing of cut flowers, plants and the gathering of seeds in the countries of the Mediterranean. His paper on native conifers was postponed to a later meeting, when John Berry of Colorado Springs will exhibit specimens of the different varieties in connection with this paper. A number of growers exhibited some of the newer roses and carnations at this meeting, among which were Killarney Queen and Double White Killarney by A. N. Pierson, Inc., Cromwell, Conn.; Sunburst by E. G. Hill Co., Richmond, Ind.; Benora and Gorgeous carnations by Peter Fisher, Ellis, Mass., and Rosette by F. Dorner & Sons Co., Lafayette, Ind. All of these arrived in good condition. Benora and Gorgeous from Peter Fisher were shown six days after being cut and were in excellent condition. L. A. Kintzele of Denver exhibited some fine snapdragon, one variety of lavender pink being especially fine.



318-320 Front Street,

NIKOTEEN

APHIS PUNK

Prepared by THE NICOTINE MFG. CO.,

The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. Full pint bottles, \$1.50.

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply, ALL SEEDSMEN.

St. Louis, Mo.



THE BEST Bug Killer and Bloom Saver

For PROOF Write to

P. R. PALETHORPE COMPANY,
Owensboro, Ky

Mention the American Florist when writing

NOTES.

Emil Glauber of Montclair is bringing in some fine Killarney and White Killarney roses. He recently had his automobile damaged by a tramway car and had to resort to the old method of driving Dolly to market. Dolly is a good horse, but not as swift as Chalmers' Detroit.

The Elitch-Long Greenhouses are cutting American Beauty roses of good quality.

George Cooper has disposed of his stand in the Dutch Mill to Miss Jennie Pearce.

Visitors: J. J. Cairns of Henry A. Dreer; F. Zirkman of M. Rice & Co.; M. Reukauf of M. Bayersdorfer & Co.; John Bubach of Lion Co.; T. J. Warren, Fort Collins; A. Gardner, Greeley; John Berry and W. E. Johnson, Colorado Springs.

E. P. N.

DAYTON, O.—W. G. Matthews, of the Dayton Floral Co., reports an excellent business throughout the season, with a wonderfully good wholesale trade. About two tons of lycodium fresh from the woods were quickly and easily marketed.

What Is It?

It Is a Vegetable Fertilizer.

It is absolutely odorless.

For Potted Plants, Lawns and Gardens.

25c per package.

Distributors wanted in each state Write for particulars.

North American Mercantile Co.,
SAN FRANCISCO, CAL.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequaled for all field use. Write for circulars and prices.

The Pulverized Manure Company,

32 Union Stock Yards, Chicago

Mention the American Florist when writing

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOHOFF CO., MOUNT VERNON, N. Y.

Mention the American Florist when writing

MADISON, WIS.—The Wisconsin Agricultural Experiment Association at its meeting held here February 2, elected these officers: C. P. Norwood, Madison, president; William R. Leonard, Fort Atkinson, vice-president; R. A. Moore, Madison, secretary; H. N. Longley, Dousman, treasurer. An exhibit of pedigreed seeds will be shown in connection with the meeting and \$1,000 in prizes is offered in the competition.

**FIRST-CLASS
Second Hand Boilers**

Fully Guaranteed

Note the low prices quoted on these Boilers suitable for greenhouses. We would suggest ordering at once if you wish to take advantage.

- 2 42-in. x 10-ft. Kewanee Fire Box Boilers.....\$150 00
 - 2 42-in. x 11½-ft. Kewanee Fire Box Boilers..... 175 00
 - 1 54-in. x 12-ft. Hot Water Internally Fired Boiler..... 200 00
 - 1 54-in. x 12-ft Internal Fired Steam Boiler..... 225 00
 - 4 60-in. x 16-ft. Horizontal Tubular Boilers..... Each 275 00
- All kinds of first class second hand Boiler Tubes, Piping, Fittings, Valves, etc. Write for our latest Price List No. 47.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

Mention the American Florist when writing



MANUFACTURERS OF
Fruit Baskets
—AND—
Pansy Baskets

ALSO Veneer Planting Pots,

which are much stronger, better and cheaper than paste-board pots.

Get our price before ordering elsewhere.

WEBSTER BASKET CO.,
Box 55, Webster, Monroe Co., N. Y.

Dreer's Peerless Glazing Points
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.
HENRY A. DREER,
714 Chestnut Street, Philadelphia.

FULL SIZE No. 2

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St.. NEW YORK.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

ORDER NOW

KROESCHELL HOT WATER BOILERS

TELEGRAPH AT OUR EXPENSE

NOT CAST IRON

NO SECTIONS
EASY TO SET UP
Made of Boiler Plate
Absolutely Safe
CANNOT CRACK

Has Thin Water Ways
Vertical Circulation
The Longest Fire Travel
Heats Quick, Easy to Clean
More Direct Surface than any Other Boiler

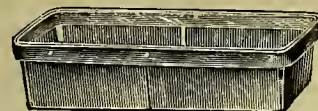
The Quickest Water Heater In The World

INSTALLED FOR
10,788,000 square feet of glass
during the past 5 years.
GET A KROESCHELL
THEY ARE SAFE.

WILL SHIP WHEN WANTED

KROESCHELL BROS. CO. 452 WESTERIE ST. CHICAGO, ILLINOIS.
PAY AFTER BOILER REACHES YOU

PANSY and VERBENA BASKETS



Small size, measure 9 inches long, 6 inches wide, 3 inches deep, put up 500 in crate, per 1000.....\$ 9.00

Large size, measure 13 inches long, 7½ inches wide, 4 inches deep, put up 250 in a crate, per 1000..... 15.00

Detachable wire handles for either of the above, per 1000..... 2.00

Have the other sizes. Send for descriptive circular.

COLES & CO., 109-111 Warren Street, NEW YORK.

CUT FLOWER AND DESIGN BOXES

All Sizes LOWEST PRICES

Send for Catalogue

C. C. POLLWORTH CO.
MILWAUKEE, WIS.

SIEBERT'S ZINC GLAZING POINTS

Never Rust

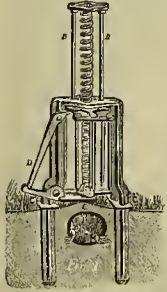
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, 5/8 and 3/4. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert. Baum & Beatty Sts., Pittsburg.

REED & KELLER,
122 W. 25th St.. NEW YORK.
FLORIST'S SUPPLIES.

We Manufacture all Our Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glass-ware, Pottery, Decorative Greens and all Florists' Requisites.

OLMSTED'S Improved Reliable Mole Trap.



This trap is constructed entirely of steel and iron. Each trap is packed in a strong paper box.

Carried in stock by Jobbers, Nurserymen, Florists and Seedsmen throughout the U. S.

"Ground Moles; Their Habits, and How to Catch Them," a book, free.

L. H. OLMSTED'S SON, Hasbrouck Heights, N. J.

New Orleans.

Business has been very brisk this winter, the Christmas and New Year's business being far beyond expectations. The finest and most lavish decorations and choicest flowers were in demand, and the poor stock had no show. At the opera, America Beauties and orchids were the prevailing bouquets seen, with few Brides, Bridesmaids and My Maryland close seconds. The florists have their hands full now with the numerous balls given by the several mystic organizations, until Mardi Gras, which will close the season February 20, when Lent begins. The growers and gardeners have not prospered as well, for the weather this winter has been unusually severe; rain, sleet and low temperatures have caused much loss to growing plants and very little outdoor work. Our numerous gardens about the city do not show up as well as in former years. However, business prospects are very bright, as soon as the weather moderates.

NOTES.

The New Orleans city park never looked better than at present with its thousands of annuals in bloom. Frank Broker, gardener in charge, has a most beautiful collection of plants in the several greenhouses for spring planting.

Buchner & Krack have added several new houses to their range to meet the demands of their increasing business and have a large stock of seasonable plants and shrubs on hand.

Chas. Eble, the famous Baronne street florist, had the sad misfortune to lose his wife last December after a lingering illness.

U. J. Virgin and the Metarie Nursery Co. are doing a land office business in decorations and cut flowers.

Frabacher's Park, in charge of Henry Krack, is looking well, especially the Italian garden.

The J. Steckler Seed Co. reports business very good, having a large country trade.

C. W. Eichling has a fine collection of ferns, both nephrolepis and adiantums.

James Newsham is very successful with his orchid blooms.

Abele Bros. are quite busy with country orders.

BEDFORD HILLS, N. Y.—The property and greenhouses of the John Young Co. at Bedford Hills were sold at auction December 29 and bought in by R. O. King in the interest of the King Construction Co, one of the largest creditors, for \$37,100. It was sold by Mr. King February 7 to Charles L. Roberts of Barking Ridge, N. J., for \$48,000. The property will be managed and the product sold by Moore, Hentz & Nash of New York city.

SCULLY SERVICE

If you are going to erect a building and want to avoid vexatious and expensive delays see Scully about your steel. He will furnish it in advance of your need. If you need structural material, steel plate, steel bars, twisted bars, sheet steel or bolts, rivets, nuts, etc., write, telegraph or telephone Scully.

SCULLY STEEL & IRON COMPANY

CHICAGO AND NEW YORK

THE STANDARD VENTILATING MACHINERY



The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is using a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

Mention the American Florist when writing

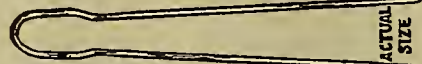
GOLD LEAF LETTERS AND INITIALS

FOR FUNERAL DESIGNS AND OTHER PURPOSES

Write for samples and lowest prices to

AMERICAN IMPORTING CO., 219 So. Dearborn St., CHICAGO.

Mention the American Florist when writing



TIME IS MONEY Save 1/2 the time greening your designs by using Florists' Greening Pins. 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.

Wm. Schlatter & Son, Springfield Mass.

Mention the American Florist when writing

THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

56 Pine St., The National Florists' Board of Trade, NEW YORK

Mention the American Florist when writing

Send Advertisements Early For Best Results.

Burnham Boilers Best

Lord and Burnham Co. Sales Offices: New York, Boston, Philadelphia, Chicago.
Factories: Irvington, N. Y. Des Plaines, Ill.

The Regan Printing House

LARGE RUNS OF CATALOGUES

OUR SPECIALTY—WRITE FOR FIGURES. 527 Plymouth Place, CHICAGO

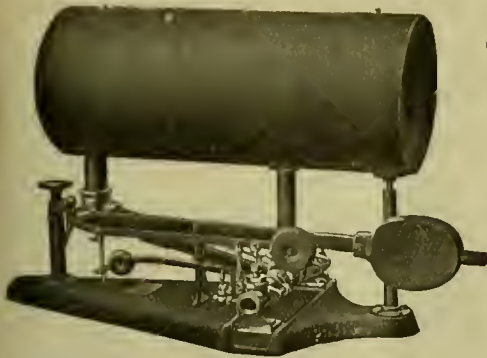
50% SAVED Pipes, Flues

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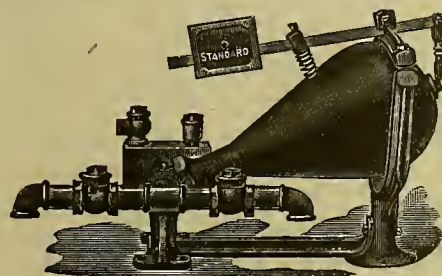
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CHICAGO AND NEW YORK, FEBRUARY 24, 1912.

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Ready Reference Ads.
Page 271.

SUGGESTIONS FOR PLANT GROWERS.

Violets.

With the approach of spring the violet plants grow rapidly and quantities of runners will spring from the old stools and propagation of these runners at this time will save much time and room later in the season when the spring stock is insistently demanding space, and much better plants are procurable from cuttings taken now than from divisions in May, when the days are often warm and the plants more or less exhausted. And if the young stock is procured now the old plants can be thrown out as soon as through blooming, securing available room at once. These runners or laterals root easily at this time in a propagating bench or can be taken off with a few small roots and either potted or placed in flats and will take but little room, and as early as possible placed in a cold frame. Treated in this manner splendid stock may be obtained for planting out early, either in the field or in the houses, and with good strong stock to start with much better results are sure to be attained than by being obliged to plant small, weak stock later in the year.

As the warm days approach the houses will need to be shaded, for the sun bleaches the flowers, and a watering of liquid manure will greatly assist in maintaining the size of the blooms and also keeping up the color.

Mignonette.

The grower will always find some plants in his beds of mignonette that produce exceptionally large spikes of bloom, the plants are more vigorous in foliage or the blooms of better form, and these spikes that show special characteristics should be selected and the seed saved, and in this way the grower can procure a strain which after two or three years' selection will be far ahead of any seed he can buy. This seed should, however, be saved before the bees and other insects are flying around and attracted to the houses, for they will cross-fertilize the flowers with undesirable strains. The seeds of mignonette do not ripen all

at once, and as the pod remains open, the ripe seed falls out and is lost, so special preparation must be made to receive it. Select the spikes that are to be saved for seed and tie them to strong stakes and mark them. The flowers should then be cross-fertilized by rubbing a camel's hair brush up and down the flowers. This should be done every bright day so as to secure a thorough pollination. To catch and hold the seed take a piece of heavy brown paper and roll it into a cone shape, and after winding a piece of cotton around the stem and stake below the flowers, tie the small end of the cone-shaped paper around the cotton, the paper spreading upward so as to catch all the seed that drops out of the seed pods. This can remain until all the seed has ripened and as the spike grows the cross-fertilization continued, but care should be taken that no water gets into the paper to wet the cotton, and seed must be gathered before the days become so warm that insects and bees are in the houses.

Easter Lilies.

The one important crop to the plantsman at this time is the lilies for Easter, for they must be properly timed to be at their best on that date. Easter this year comes April 7, and most growers like to see buds on their plants six weeks before that date, that is February 25. No doubt the exceedingly cold weather, in almost all sections of the country, has had its effect upon this crop and retarded it, and if such is the case the plants will have to be forced a little harder to have them in bloom on time. If the buds are not showing, the temperature will have to be increased to 70° at night. This will do the plants no harm if they have good sunlight during the day, and are given all the ventilation possible, but the ventilators should not be opened unless the sun is shining and the thermometer at least at the same degree as the night temperature, and avoid all draughts possible for the plants grown so warm are very tender. It is next to impossible to bring a lot of lilies in

all together, so it is better to so grow them that the slowest ones will be in on time, and move those that are more advanced into a cooler house and retard them, but this should not be done until the buds are nearly full grown. A lily retarded when the buds are forming is very difficult to start into active growth again, but after the first buds begin to turn white the plants can be moved into a house of 50° or lower and they come on slowly and will be of better quality than those grown warmer. The plants should be all tied to a neat stake as soon as the buds form, if not already done, for the buds add considerable weight to the top of the stem and they bend over very quickly. When the buds form, if the plants are pot bound, a watering of liquid manure will increase the size and substance of the flower. It will be a continual fight against aphids from this time on and fumigation or spraying with nicotine will have to be regularly and continually practiced to bring the plants into bloom in the best condition.

Cannas.

One of the most decorative beds for summer, especially if it is of large size, is a bed of the blooming cannas, for they are very showy and will bloom throughout the summer until frost cuts them down, and the varieties have been greatly improved during the last decade. To make the best showing the plants should be started early enough to have good strong stock at bedding-out time in May and June. The plants should be started by March 1 and now is the time to procure stock of varieties of which the grower is short or which he has not on hand. The clumps when removed from the winter storage should have all the old soil shaken off, the dried up stalk and roots cut away. They are then cut up into small pieces and if the stock is plentiful two or three eyes can be left to each piece, but where stock is short they are cut up to single eyes but with single eyes many weak plants will be produced. Often the clumps have started into growth and where this has happened the eyes should be sorted, those already started being planted together and the dormant eyes by themselves. Have boxes already and place an inch of soil on the bottom and then place the divisions on this closely together and cover with light, sifted soil and then water thoroughly. Keep the varieties separate and properly labeled, each box to contain but one variety and the name plainly marked on the box, for labels are often lost or misplaced. Place the boxes in a warm location—where hot water heating is used they can be placed on the return pipes. In two or three weeks the plants will have made sufficient roots to be placed in 3½ or 4-inch pots when they can be grown on in a house with a temperature of 50° to 60°. In planting cannas outside it should always be remembered that they are very tender and should not be set out until all danger of late frost is past.

WINDSOR, CONN.—E. F. McDermott arranged a decoration for the banquet of the Windsor Business Men's Association, January 23, of flowers and plants that received much commendation.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Prices for Floral Work.

ED. AMERICAN FLORIST:—

We find that the arranging of floral sprays and other funeral work requires the employment of a large amount of asparagus and other greens and our customers are not in the habit of paying extra for these. Is it customary in the trade to charge only for the cut flowers used in funeral work or is a regular rate made including the work?

E. C. H.

It is customary in all florists' establishments to charge not only for all material that goes to make up funeral work but also for the labor required.

This is a question, although it at first may seem ridiculous, which probably every florist, especially those in the smaller cities and towns, has had to meet face to face. We have had

be arranged, flower beds prepared and plants set out at the price at which they are sold by the dozen or hundred. Would one expect that the tailor or dressmaker would make a garment for the price of the cloth? Hardly, and this is one of the best arguments that we were able to present to the customer, for it placed the matter on perfectly equal footing. With the lady customer, especially, the expense of the trimmings of a gown are often more than the material, and this also brings up another point in floral arrangement. It is almost impossible to artistically arrange flowers and be restricted to a certain number. Very often it will be found that the addition of a few more flowers will be necessary to properly finish the piece, and this should be taken into consideration when accepting the order.

A case of this kind came under our observation once. A customer asking the price of roses was told they were \$5.00 per dozen, stated that he would like two dozen, and added that they were to be tied in two bunches for presentation, and he would call for them. At the time specified the customer called and upon asking the price was informed it was fifteen dollars. He immediately protested, for he said he was told the price was \$5.00 per dozen and he had ordered two dozen. The salesman very pleasantly explained that the roses had to be arranged with the proper amount of green, with a ribbon, and by the highest priced labor they employed, and then said, "Would you expect to buy an oil painting from an artist for the price of the canvas and the paint?" The customer saw the point immediately and willingly paid the bill. This is a matter that must be fully explained to the unthinking customer and also done in the pleasantest way possible, and if so done will be thoroughly understood.

With most establishments it is customary to have a regular fixed price for all floral arrangements, fully covering all the expenses of material and labor, the price being dependent more or less upon the cost of flowers at the time and the grade that is to be used, whether of the more expensive or the cheaper flowers.

DESIGNER.



Chicago Spring Flower Show Poster.

the customer come in and inquire the price of carnations, roses or some other flower, and then place the order as if it was simply the cut flowers that they wanted, then when offering to pay for them add that they wished them tied and delivered at a house or church where there was to be a funeral. For instance, a customer would ask the price for two dozen carnations, and upon being told that they were 75 cents a dozen would place upon the counter one dollar and a half and then request that they be tied in a spray and give the address of the place to which they were to be delivered. It is an anxious moment for the salesman or the proprietor, but it must be explained at once in the most diplomatic and gentlemanly way possible that the one who arranges flowers must receive recompense just the same as the one who produces them.

We do not recall any other business in which it is so often expected that work shall be executed without pay as it is in the several lines of the florist business. It seems to be understood by certain customers that flowers will

Floral Scales.

The floral scales, which we illustrate, is a novel design with much more sentiment in its conception than is generally found in floral designs of mechanical character, and was arranged by the flower department of Cobb, Bates & Yerxa Co., Fall River, Mass., as a testimonial to a clerk who had been in the employ of the firm for many years.

As can be seen from the illustration it represents a set of scales or balances. On the left balance was a weight turned from wood and painted aluminum; on the right was a round ball of double daffodils to represent a ball of gold which has overbalanced the weight. The design was beautifully arranged and caused much favorable comment, both for the original idea and workmanship.

The firm has conducted a flower department for several years which has been managed by S. E. Studley with success and has assisted to increase the business of all the florists in the city by keeping cut flowers before the public at all times.



FLORAL SCALES.

Arranged by Cobb, Bates & Yerxa Co., Fall River, Mass.

THE ROSE.

Two New Roses.

The two new roses, which we illustrate, are both pronounced excellent for cut flower purposes by M. Leenders, Steyl, Holland, by whom they were raised, one being named Jonkheer J. L. Mock and the other General-Superior Arnold Janssen. They have become renowned in Europe and will without question be favorably received in America and have a promising future.

Jonkheer J. L. Mock is very effective, especially when planted in lots, and is very striking even when seen from a distance. The color is grand, of a beautiful shining red; in fact no other variety has such brilliant coloring, and the large, silver-edged foliage give it a singular charm. It is of very strong growth and lasts well making it one of the best as a cut rose and especially suited for shipment.

General-Superior Arnold Janssen is a worthy companion for Jonkheer J. L. Mock, being of a dark, carmine red with long buds which develop nicely. It is a strong, luxuriant grower, and will undoubtedly take first place among roses for cut flower purposes. It is more showy than Jonkheer J. L. Mock and the plant bears a larger number of flowers.

Both are strong, luxuriant growers producing strong stems covered with large heavy foliage, and the flowers are very large and in continuous bloom. Jonkheer J. L. Mock grows beautifully in the greenhouses and General-Superior Arnold Janssen is equally as good in the gardens as in the houses.

Steam or Hot Water Heating.

ED. AMERICAN FLORIST:—

Could you inform me which is considered the best manner of heating greenhouse for rose culture, steam or hot water?
J. W. E.

Illinois.

We consider steam heat preferable to hot water for rose culture, for the following reasons: Quick heating, less radiating surface, more latitude in the arrangement of coils, and a means of fusing the sulphur or obtaining the fumes strong enough to prevent mildew. The latter feature alone must not be overlooked if the Killarney and other varieties subject to mildew are to be grown successfully.
E.

Growing the Newer Roses.

ED. AMERICAN FLORIST:—

Will you kindly inform me the requisite treatment to grow Mrs. Aaron Ward, Melody and Prince de Bulgarie roses? Will they succeed if grown with Brides and Killarney?
R. E. P.

Wisconsin.

In replying to "R. E. P." regarding the treatment of Mrs. Aaron Ward, Melody and Mrs. Taft (Antoine Rivoire) would say that, personally, I think that Mrs. Ward and the Mrs. Taft roses should do better grown in a house together, requiring more heat than Brides or Killarney. To be productive a night temperature of 60° to 62° should suit them. The cultural methods would practically be the same as for Killarney or the average hybrid teas. Many growers prefer to grow



ROSE GENERAL-SUPERIOR ARNOLD JANSSEN.

Mrs. Taft on own roots, also Mrs. Aaron Ward, especially where the soil is an ideal rose soil of a heavy texture. If the soil is rather light, a sandy loam, we should suggest a trial of grafted plants. The writer has not grown Melody, so cannot give cultural directions for same.
E.

Leaf Rollers on Roses.

ED. AMERICAN FLORIST:—

Will you kindly inform us how to exterminate leaf rollers on roses? We have tried hand picking but are not able to check them.
I. F. F.

Nebraska.

The best treatment we have found for the extermination of the leaf roller is the vaporizing of nicotine liquid, also spraying same on plants with Bordeaux nozzle, using the liquid according to directions on the tins. At the same time the above treatment is principally a preventive and the hand picking is very essential and must be kept up as the rollers can not be destroyed after they become encased in the foliage or leaf unless destroyed by hand. We would suggest spraying at the very start in order to prevent the appearance of the rollers.
E.

Caladium Esculentum.

A plant that can be used with great effect in bedding, especially for large beds or where sub-tropical bedding is carried on is the *Caladium esculentum* or Elephant's Ear. They also make a fine outside row around a canna bed, and are used in urns, but in such a position will require copious waterings. The tubers should be started in early March so as to have good sized plants at bedding-out time. The simplest and easier way is to place them in flats or boxes quite close together in spagnum moss just covering the bulbs. This is essential for the roots start from the top of the tubers. Have the moss fairly wet and water carefully until the growth appears. Place the box in a warm location from 65° to 70° and when the growth appears through the moss, pot in 4-inch pots and grow in a warm house. After growth commences they will need plenty of water. The medium-sized bulbs make very beautiful plants and are much more easily handled than the larger sizes.

AMHERST, MASS.—The greenhouses of M. B. Kingman were destroyed by fire January 26, 1911.



ROSE JONKHEER J. L. MOCK.

THE CARNATION.

Feeding and Propagating.

Now that the days are getting longer and brighter we can treat the plants to an occasional application of liquid manure or commercial fertilizer, but feeding should not be practiced to any great extent until the stock of cuttings for propagating have been taken care of, bearing in mind that each application of fertilizer, whether liquid or as a top dressing, stimulates the plant into quick growth action and the stimulation is carried to every part of the plant's makeup, greatly benefiting the plant as a whole, but having a softening tendency towards the shoots used for cuttings. The question of feeding should be governed according to the condition of the plants. If they have been producing flowers continuously since the first of October without any additional fertilizer, the flowers will now begin to run a little small, indicating that the soil is becoming exhausted and in need of more

fertilizer. Now comes up the question in what manner and when, should the fertilizer be applied. We are governed in this matter according to the condition of the soil and the appearance of the plants, being guided by the record of what manures were used in the composition of the soil.

I must confess that I am partial to the method of top dressing as the best way of applying fertilizer at this season of the year, particularly if manure was spread at the bottom of the benches at planting time, it having given us much better results than when used in a liquid state. If the plants are in full crop, you will notice upon examination that the surface of the beds are covered with little white roots or feeders, and when the dressing is put on it gets to work immediately, and you can control its action to a great extent by using judgment in the watering, running a little to the dry side during a cloudy spell, and being more liberal when it is clear and bright.

The old method of mulching with coarse raw manure is now antiquated

on most up-to-date places, and the mulching or dressing is now done with pulverized manures, which is much cleaner and easier to apply, quicker of action and more directly under control, not taking into consideration that very important point of being able to keep the soil open to the air. Pulverized cattle and sheep manure as advertised in THE AMERICAN FLORIST have been tried by us and we have found them both good, but we use the sheep manure more often than the cattle and back it up with an occasional dressing of Scotch soot, our soil being heavily charged with horse manure and rock phosphate from the beginning.

To those who prefer using the liquid manure at this time I would advise against using it in strong doses, rather apply weak and oftener but not more than once a week. Heavy doses of liquid manure will quickly cause the stems to become brittle and snap off with the least touch.

If the quantity of cuttings needed for next season's stock are not yet in the sand, attend to getting them in as quickly as they become available. It may seem to be a little early to sound a hurry-up call in this respect, but anyone who keeps a record of the plants grown from cuttings taken from the sand during February and of those from March or later, knows of the very much better results obtained from the February cuttings over the later ones. Look well to the cuttings now in the sand and do not allow them to get hard from being held there too long after they have become rooted, also do not keep them over dry so that they wilt, or carry them to the other extreme. They delight in a cool, top atmosphere and a sand temperature of about 56 degrees. As quickly as the cuttings become rooted they should be potted, using a live fresh soil that contains very little manure, and after potting give them a cool temperature, shading a little for a few days, until the roots start into growth again, after which they should be given full light and kept in active growing condition by watering only as they are in need of it.

This is the all important time with the plants in the benches. They should now be at their best, full of long-stemmed blooms with plenty of others coming up to follow on. Pay particular attention to the temperature; a variation of a few degrees will cause bursted calyces and weak stems. Another very important matter is to look well to the work of keeping down the aphid by regular fumigations, the heavy succulent new growths being especially susceptible to these pests. If red spider, becomes troublesome a syringing of the plants affected on a bright day will quickly dislodge them.

C. W. JOHNSON.

BEDFORD HILLS, N. Y.—Charles L. Roberts of the Somerset Rose Co., Basking Ridge, N. J., in connection with Frank L. Moore, Henry Hentz, Jr., and Jonathan Nash, of the firm of Moore, Hentz & Nash, 55-57 West Twenty-sixth street, New York, has acquired the property lately owned by the John Young Co., comprising 93 acres of land and 85,000 square feet of glass of modern construction, which will be conducted by the latter firm. Mr. Hentz looking after the growing part of the business.

A Maryland Garden.

The gardens of Frank C. Hargett of Frederick, Md., which we illustrate, have become famous in that section of the country and at a reception which was held August 30 there were on display twenty thousand plants including many flowering as well as a large collection of decorative and tropical plants. In the latter class were fine specimens of palms, ferns, ficus, crotons and other rare and well known species.

Where Some of Us Are Lame.

Paper by W. N. Rudd, Morgan Park, Ill., read at the meeting of the Detroit Florists' Club, February 26, 1912.

It is said that a "knock is as good as a boost" and if the saying is true, there are going to be a good many boosts in this paper.

The growth of floriculture in our country during the past twenty years has been phenomenal—I believe unparalleled in the history of any other business. For many years the demand as a whole has kept abreast or ahead of the supply. Men all over the country have succeeded—have acquired wealth—through the growing and selling of flowers, whose crude and antiquated methods of business could only have spelled disaster in any other line. The signs are plain that this condition is not to continue and we must adopt the common-sense methods which are found necessary in all other business, or many of us are going to get hurt in the near future.

Perhaps the one thing in which more of us are lame than in any other is in slipshod methods of bookkeeping. How many keep careful records of receipts and expenditures week by week and month by month, posted up side by side, so that we can get a comparison between this week and this month and those of last and previous years? And yet there is nothing that calls our attention to errors, and also to successes, so easily and so surely as such a simple table.

The trade may be divided into three general classes:

1—The wholesale grower, disposing of practically all his product to other florists, either direct or through commission houses.

2—The grower, generally located in the residence districts, the suburbs or in the smaller towns, who grows his own plants and flowers and retails them himself.

3—The city store man who grows nothing, but buys in the open market the stock necessary to supply his retail trade.

We all know the grower with the dirty, sloppy, tumble-down houses. Does he ever succeed? It is hardly worth comment. The man who has not ambition enough to keep himself and his place clean is the one who is always complaining that there is no money in the business any longer, and there isn't—for him.

Perhaps the commonest mistake made by the wholesale grower is in attempting to both grow and market his own crop. The ability to sell well, and the ability to grow expertly, are not always found in the same person; and even if they are, the time lost in getting the goods to the market, dickering with the buyer and collecting the proceeds is often paid for dearly,

by loss from lack of close attention to the growing end. Of course, if the extent of the business will warrant it, a well organized and efficient selling department distinct and apart from the growing end of the business pays, and pays well.

The wholesale grower with moderate or small areas of glass will do better to consign his stock to a reliable selling agency and put in all his time in growing it better, and growing more of it, and getting it in at the time when it is worth money. Does it not almost always happen, when you visit one of those men who peddle their own stock that he explains the miserable condition of some lot of stuff in the house by saying that the boys let it get a little too this, that, or the other, while he was away; and aren't the boys always doing it when the boss is away half the time? To be sure, there are some dishonest commission men, but as a class I venture the statement that they are as honest as the men who ship to them. The man who doesn't play fair with his commission man and then complains because the commission man does not play fair with him is a very foolish fellow indeed.

Many of us are selling carnations for two cents when good stock is bringing three cents. Our fuel, repairs, maintenance, and all overhead expenses are the same as the other fellow's and he is only putting a little more into labor and extra care—a very little more as a percentage on his other expenses. That extra cent is just 50 per cent more than we are getting, and that 50 per cent is nearly all clean profit—which we don't get. How many of us are growing back number varieties simply because it costs something to stock up with the new? And yet, how little the cost compared with the difference in receipts for a whole season—and the good new things always sell in the time of a glut for some price. Not that we are to plunge on new and untried things, but we must watch the first year and jump in the second year in the things which make

good. Less than two years back, the writer saw *Portia* carnations shipped in to a Chicago commission house. Enough said.

Perhaps the slowest, the least business-like and the least up-to-date of our three classes are the men who both grow and retail their own stock. This is natural. In many cases they have been without competition. They have grown up with their surroundings and fallen into a good business among people who have had no chance to know what good stock is and meekly accept whatever is handed to them. They can force the sale of poor or ordinary stock and have gotten into the habit of growing that kind of stock and will tell you that "their trade won't pay for good stock." There is nothing more false than this. There is hardly a community in the land in which there are not a large class who will buy good stock and pay good prices when they are taught the difference. To be sure, there is everywhere a class who want cheap flowers, but with all our care, the best of us will have plenty of second grade stock and the markets from Maine to California are piled high with it, and through a good share of the year at prices less than the cost of growing. How these old mossbacks do squirm when a real live man opens up across the street, or in the next block, and how soon they find that their trade will pay for good stock and will go to the other fellow to get it.

The retail store man is, properly, not a florist at all, but a merchant, and if he adapts to his own needs the methods of successful retail merchants in other lines, he succeeds. If he doesn't he goes broke. The day of the man with a second-hand ice box, a cracked marble-topped pine counter, and a couple of bunches of flowers (bought on credit at double price by reason of the risk of non-payment), is gone. The retail flower merchant must have capital to-day. Good locations, fine fixtures and attractive conditions cost money. Ability to pay promptly is an essential in buying



A MARYLAND GARDEN.

View in the Garden of Frank C. Hargett, Frederick, Md.



A MARYLAND GARDEN.

View in the Garden of Frank C. Hargett, Frederick, Md.

right. Advertising, no matter how it is done, costs money; and it is advertise, advertise and keep on advertising to get business; and do more advertising to hold it after you get it. No man can stand still in business nowadays. Every business must either grow larger or grow smaller and the man who finds his business stationary in volume must either mend his ways or get out while the getting out is good.

Much and endless discussion has gone on about the mournful subject of gluts in the market and how to avoid these direful calamities. Nonsense! They always have been and always will be, when dealing in perishable commodities. Why not put this old moth-eaten subject on the shelf and get out a brand new and live one, "How to make gluts profitable"? Here is the store fan's chance to even up with the grower for what the latter does to him at Christmas and other holiday times.

There is not a dry goods shop in the country that does not have a series of mark-down or bargain sales from year end to year end, and the bigger and more prosperous the shop, the bigger and more elaborate the sales. Have we not a great lesson to learn here? And how many of us have learned it? Few men are so wealthy as not to dearly love a bargain and no women. The bargain basement is found in all our "palatial dry goods emporiums." Why not in our palatial flower shops? Think about it.

Troubles That May Be Avoided.

The list of unavoidable troubles is a long one, but that of trials that may and should be avoided, and could be by proper foresight, is longer still. That "man is born to trouble as the sparks fly upward" is true only in a measure, while some of the troubles and trials we have to undergo when looked back on in the light of subsequent experience prove to be wise lessons that we had to learn. All this and much more along the same line has been said many times before, of course, and the poor chap who is down and out or the other fellow who has made some serious blunder in his cultural detail is not always perhaps as thoughtful as he ought to be when he considers, or when sympathizing friends tell him that it is all for the best and he is simply learning a lesson that will be of incalculable benefit to him in the more or less dim and distant future. The future for him has such a cerulian hue that he doesn't need smoked glasses.

But to return to these troubles that can be avoided: Not so long ago we were called in to see a friend's batch of poinsettias that had "gone back on him." They were good plants in October, dwarf, leafy to the pots and very promising. But when we saw them again there was a cirlet of green leaves under the forming tracts and all the rest of the foliage had curled up and fallen. "Had they been allowed to get dry?" was the first question. "Well, they had been busy potting lilies" and "he guessed that Tom

hadn't time to water them." There's the answer. Good stock that had taken four or five months of care and attention was neglected because a few 6-cent lily bulbs would otherwise have been in the boxes another few hours. Well, he has learned his lesson all right, but was certainly not very elated over it. Lubricating oil and water are not good mixers, and when they do partially mix and are pumped into a steam boiler in the form of returned condensation the effect on the boiler is not particularly good. This lesson cost a local florist \$100 for repairs, but he has found out that waste oil and condensation water are better as far apart as possible. He was not nearly as thankful as he ought to have been at the time of the trouble. And so we could give instances in plenty of avoidable errors where a Mark Tapley-like attitude was not taken under the circumstances. But it would do no good and we would prefer advising readers to always keep a bright lookout ahead of time, and by constant care and watchfulness avoid the pitfalls in cultural business and other details that are always open to the unwary.

Forcing Lily of the Valley By Warm Water

Our attention is repeatedly called to the advantage of soaking lily of the valley pips in water of a temperature of 80° to 85° for 24 hours before planting. An advance of five to six days in the blooming period, as well as a far superior quality of flower and leaf.—*Revue Horticole*.

Scaline.

M. C. Ebel, head of the Aphine Manufacturing Company, is busily engaged in experimental work with a new product which his company expects to place on the market very shortly. He has named it "Scaline," the material being a combination insecticide and fungicide—a composition of oils and sulphur. It is intended for the destroying of the San Jose scale, the cottony maple aphid and other sap-sucking insects inhabiting fruit and ornamental trees, shrubs and hardy plants generally, and at the same time as a remedy for the control of the various fungi affecting trees and shrubbery. Mr. Ebel contends that his material can be applied as safely in the growing as in the dormant season. Tests made last summer on foliage and trees and plants in bloom showed no ill effects from the spray. If "Scaline" will do what is already claimed for it there is no doubt that a broad field is awaiting it.

The Motive for Orowing Flowers.

Paper read before the Nebraska State Florists' Association at Lincoln, Neb., by Lewis Henderson of Omaha, January 17, 1912.

Why we grow flowers, or what is our motive in growing them, has often puzzled my mind after a hard day's work with them, where the results seem so small, the leaves are dropping off, the sprouts coming blind with but few flowers, and outside the cold blasts are sweeping by, the elements rage with hail, snow and frost, and seem to have control of both heaven and earth. Why do we go to all this trouble and great expense for a few flowers? Of course you will say for the money which is received for them. But why do we obtain money for them? There is a much deeper sentiment in the cultivation or possession of flowers than the avaricious yearning for money.

The custom of using flowers at festivities or on other occasions for the expression of sentiment has existed for ages, but only during the last half century have they been cultivated to any great extent, for in former years they were gathered in meadows, dales and on hills where they were growing in their natural conditions in the several countries. Now we have plants that come from all parts of the world, gathered in the tropical, semi-tropical and temperate zones and under the same sun are brought out the beautiful lustre and colors that charm the eyes of man.

We remain awake all night to protect them from the cold blasts of win-

ter that would freeze the tender buds; we feed them, we water them, we guard them against the attacks of insects and diseases. What do we do all this for? We do it to bring forth the beauty and fragrance of the flowers that they may express the sentiments we feel at the various occasions which occur during our life. There is nothing that appeals more to the heart of any man, no matter even if he be ever so hard a criminal, than a little flower in all its simplicity, beauty and fragrance as a token, for it is the most beautiful and innocent emblem of nature, recalling a mother's memory when she so dearly cared for him, or when he in childish glee tottered at her knee. There is a charm within the petals that speaks of a life beyond. From childhood's sunny morn to the mellow light of ripe old age, flowers are the token of love, the emblems of innocence and the ministers of happiness from the cradle to the grave. We use them to cheer the sick and those in distress, and many a time have I seen tears of joy and gratitude spring forth at the sight of a little bunch of flowers sent by a friend to one whose heart seemed to have been broken by sickness or life's struggle. As the poet says:

"Save not your kisses for my cold brow;
If you have favors, give them to me now."

We grow flowers to decorate and add charm to our homes, our parks, our boulevards, our drives, that we may receive inspiration from the most glorious and luxurious forms of nature. We grow them that we may scatter them to our friends. We grow them that we may inspire the wayward with aspirations to live a more beautiful life. There is nothing that inspires or induces one to commune more closely with nature and with God or softens the heart and soothes the wrath quicker or more than flowers. A young man and woman were courting, and as is usual had their love spat; they later met and she said, "I thank you for the flowers you sent me." She smiled and blushed and hung her head, and added, "I am sorry for the words that I spoke, but now that I know your heart is right I want you to forgive me." And of course he did, but as they talked, while walking under the shady bowers, he wondered who in the world sent her those flowers. Many another example of similar nature could be told where a bunch of flowers has softened the wrath and brought love, happiness and sunshine to the heart and in the home.

Go! gather a bunch of flowers,
Moist with the springs of crystal dew
That life's greeting will bring to you.

Bert Olney Canning Co.'s Greenhouses.

Every once in a while we run up against a new use for greenhouses. One day last week when we were visiting the Bert Olney Canning Co. at Oneida, N. Y., their superintendent said that they had just placed a contract with Lord & Burnham Co. for nine separate iron frame greenhouses each 33 x 150 feet, to be used for growing tomato plants in the spring of the year, and chrysanthemums in the fall. It seems that it has always been a difficult matter for the farmers who supply the canning company with tomatoes, to secure good sturdy plants early in the season. This has prompted the canning company to take the matter in their own hands and grow these plants for the farmers.

Five of these new houses will be erected at Albion, N. Y., and four at Medina. The sides of these houses are a special construction having a framework five feet high consisting of sash extending 28 1/4 inches below the eave plate and 24 inches of solid glazing below this, followed by six-inch base board below the solid glazing. It was constructed this way so that all possible light would be secured for young plants in beds. There will be two foremen in charge of the houses, one for growing tomatoes and the other for the chrysanthemums. T.

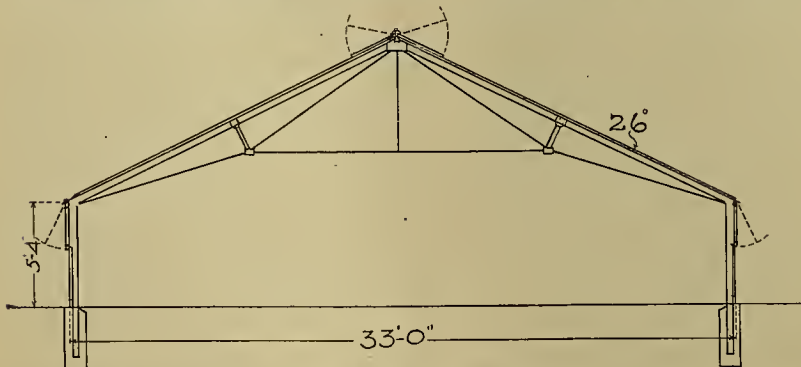
OBITUARY.

William A. Bilger.

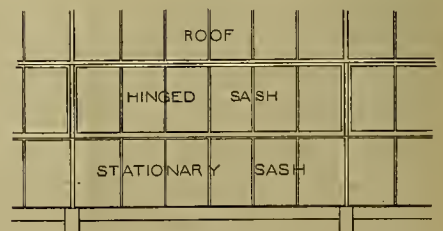
William A. Bilger, a widely known florist of Lebanon, Ind., died at a sanatorium in Indianapolis following an operation February 5, aged 50 years. He was born in Pennsylvania, June 20, 1861, and came to Lebanon seventeen years ago where he operated greenhouses for many years and last year assumed the management of the Oak Hill Greenhouses. He married in 1896 Miss Agnes Martin, who, with a half brother, Louis Bilger of Pennsylvania, survive him. He was a member of the I. O. O. F., I. O. R. M., Haymakers' Association and D. of P. The funeral services were held Thursday, February 15, being in charge of the Odd Fellows and Red Men, and the interment was in Oak Hill cemetery.

John Sells.

John Sells, the head gardener of Garfield Park, Chicago, died at his residence, 3723 Colorado avenue, February 16, aged 61 years, after a brief illness. He entered the employ of the West Park Commissioners when he was twenty years old and at the opening of Garfield Park conservatory he was given the task of arranging the various rooms and exhibitions and has held the position of head gardener of this renowned garden ever since.



Cross Section of House.



Detail of Sash.

ARRANGEMENT OF HINGED AND STATIONARY SASH AT BERT OLNEY CANNING CO.'S GREENHOUSE. ALBION, N. Y.

Proposed Inspection and Quarantine Bill (H. R. 18,000)

A bill to regulate the importation and interstate transportation of nursery stock, to enable the Secretary of Agriculture to appoint a Federal Horticultural Commission and to define powers of this commission in establishing and maintaining quarantine districts for plant diseases and insect pests. Introduced in the House of Representatives January 15, 1912, by Mr. Simmons and referred to the Committee on Interstate and Foreign Commerce. January 17, 1912, the Committee on Interstate and Foreign Commerce discharged and referred to the Committee on Agriculture. 62nd Congress, 2nd Session H. R. 18,000.

PAGE 1.

A bill to regulate the importation and interstate transportation of nursery stock; to enable the Secretary of Agriculture to appoint a Federal Horticultural Commission, and to define the powers of this commission in establishing and maintaining quarantine districts for plant diseases and insect pests; to permit and regulate the movement of fruits, plants, and vegetables therefrom, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That a Federal Horticultural Commission shall be established with the powers and for the purposes hereinafter defined.

SEC. 2. That this Federal Horticultural Commission

shall consist of five members, to be appointed by the Secretary of Agriculture from two or more bureaus and offices existing in the Department of Agriculture.

PAGE 2.

SEC. 3. That it shall be unlawful for any person, firm, or corporation to import or offer for entry into the United States or any of its possessions from any foreign country any nursery stock unless and until a permit shall have been issued therefor by the Federal Horticultural Commission, under such conditions and regulations as the said commission may prescribe, and unless such nursery stock shall be accompanied by a certificate of inspection, in manner and form as required by the aforesaid commission, of the proper official of the country from which the importation is made to the effect that the stock has been inspected and found free from injurious plant diseases and insect pests: Provided, That the Horticultural Commission shall issue the permit for any particular importation of nursery stock when the conditions and regulations as prescribed in this section shall have been complied with: Provided further, That nursery stock may be imported for experimental or scientific purposes without the certificate of inspection or the permit of the Horticultural Commission hereinbefore required, upon such conditions and under such regulations as the said commission may prescribe: And provided further, That nursery stock imported from countries where no official system of inspection for such stock is maintained may be admitted upon such conditions and under such regulations as the Horticultural Commission may prescribe.

PAGE 3.

SEC. 4. That it shall be the duty of the Secretary of the Treasury to promptly notify the Federal Horticultural Commission of the arrival of any nursery stock at port of entry; that the person, firm, or corporation receiving such stock at port of entry shall, immediately upon entry and before such stock is delivered for shipment or removed from the port of entry, advise the Federal Horticultural Commission or the proper agent designated for this purpose in the State or Territory or the district to which such nursery stock is destined as the Federal Horticultural Commission may elect, of the name and address of the consignee, the nature and quantity of the stock it is proposed to ship, and the district and country where grown; that no person, firm, or corporation shall ship or offer for shipment to any common carrier, nor shall any common carrier transport or receive for transportation, any nursery stock imported into the United States or any of its possessions, from one State or Territory or the District of Columbia into any other State or Territory or the District of Columbia, without notifying the Federal Horticultural Commission or the agent designated for this purpose in the State or Territory or district to which such nursery stock is destined as the Federal Horticultural Commission may elect, immediately upon the delivery of said stock for shipment and before transportation is begun, of the name and address of the consignee, of the nature and quantity of stock it is proposed to ship, and the country or district where the same was grown.

PAGE 4.

SEC. 5. That no person, firm, or corporation shall import or offer for entry into the United States or any of its possessions any nursery stock unless the case, box, package, crate, bale, or bundle thereof shall be plainly and correctly marked to show the general nature and quantity of the contents, the country and district where the same was grown, the name and address of the shipper, owner, or person shipping or forwarding the same, and the name and address of the consignee.

SEC. 6. That no person, firm, or corporation shall ship or deliver for shipment to any common carrier, nor shall any common carrier accept for transportation or transport from one State or Territory or the District of Columbia into any other State or Territory or the District of Columbia, any such imported nursery stock the case, box, package, crate, bale, or bundle whereof is not plainly marked as to show the general nature and quantity of the contents, the name and address of the consignee, and the country and district where such stock was grown.

SEC. 7. That the Federal Horticultural Commission be, and is hereby, authorized to make such rules and regulations as may be necessary for carrying out the purposes of this Act.

PAGE 5.

SEC. 8. That whenever, in order to prevent the introduction from any foreign country into the United States or any of its possessions of any tree, plant, or fruit disease, or of any injurious insect now or not theretofore widely prevalent or distributed within and throughout the United States, the Horticultural Commission shall determine that it is necessary to forbid the importation into the United States or any of its possessions of nursery stock or of any class of fruits, vegetables, bulbs, plants, and seeds from a country where such disease or insect infestation exists, it shall promulgate such determination, specifying the country and district and the nursery stock or the class of fruits, vegetables, bulbs, plants, or seeds which, in the opinion of the commission should be excluded, and, following the promulgation of such determination by the said commission, and until the withdrawal of the promulgation by it, the importation of nursery stock or of the class of fruits, vegetables, bulbs, plants, or seeds specified in the said promulgation from the country and district therein named, regardless of the use for which the same is intended, is hereby prohibited; and until the withdrawal of the said promulgation by the said commission, and notwithstanding that such nursery stock,

fruits, vegetables, bulbs, plants, or seeds be accompanied by a certificate of inspection from the country of importation, no person, firm, or corporation shall import or offer

PAGE 6.

for entry into the United States or any of its possessions, from any foreign country specified in such promulgation, any of the nursery stock or of the class of fruits, vegetables, bulbs, plants, or seeds named therein, regardless of the use for which the same is intended: Provided, That before the Federal Horticultural Commission shall promulgate its determination that it is necessary to forbid the importation into the United States or any of its possessions of the articles named in this section, it shall, on request of interested parties, give a public hearing, under such rules and regulations as the said commission shall prescribe, at which hearing any interested party may appear and be heard, either in person or by attorney.

SEC. 9. That the Federal Horticultural Commission is authorized and directed to quarantine any State or Territory or the District of Columbia, or any portion thereof, when it shall determine the fact that a dangerous plant disease or insect infestation, now or not theretofore widely prevalent or distributed within and throughout the United States, exists in such State or Territory or the District of Columbia; and the said commission is directed to give notice of the establishment of such quarantine to common carriers doing business in or through such quarantined area, and shall publish in such newspapers in the quarantined area as it shall select notice of the establishment of quarantine; that no

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person, firm, or corporation shall ship or offer for shipment to any common carrier, nor shall any common carrier receive for transportation or transport, nor shall any person, firm, or corporation carry or transport from any quarantined State or Territory or the District of Columbia, or from any quarantined portion thereof, into or through any other State or Territory or the District of Columbia, any nursery stock or any fruits, vegetables, bulbs, plants, or seeds, except as hereinafter provided; that it shall be unlawful to move, or allow to be moved, any nursery stock or any fruits, vegetables, bulbs, plants, or seeds specified in the notice of quarantine hereinbefore provided, and regardless of the use for which the same is intended, from any quarantined State or Territory or the District of Columbia, or quarantined portion thereof, into or through any other State or Territory or the District of Columbia, in manner or method or under conditions other than those prescribed by the Federal Horticultural Commission; that it shall be the duty of the said Horticultural Commission to make and promulgate rules and regulations which shall permit and govern the inspection, disinfection, certification, and method and manner of delivery and shipment of nursery stock or any fruits, vegetables, bulbs, plants, or seeds specified in the notice of quarantine hereinbefore provided, and regardless of the use for which the same is intended, from a quarantined State or Territory

PAGE 8.

or the District of Columbia, or quarantined portion thereof, into or through any other State or Territory or the District of Columbia; and the said commission shall give notice of such rules and regulations as hereinbefore provided in this section for the notice of the establishment of quarantine: Provided, That before the Federal Horticultural Commission shall promulgate its determination that it is necessary to quarantine any State, Territory, or District, or portion thereof, under the authority given in this section, it shall, on request of interested parties, give a public hearing under such rules and regulations as the said commission shall prescribe, at which hearing any interested party may appear and be heard, either in person or by attorney.

SEC. 10. That the term "nursery stock," as used in this Act, shall include all field-grown florists' stock, trees, shrubs, vines, cuttings, grafts, scions, buds, fruit trees or seeds of fruit and ornamental trees or shrubs, and other plants and plant products for propagation, except vegetable and flower seeds, bedding plants, and other soft-wooded herbaceous plants, bulbs, and roots: Provided, That whenever the Federal Horticultural Commission shall determine that the unrestricted importation of any fruits, vegetables, roots, bulbs, seeds, plants, or other plant products not included by the term "nursery stock" as herein defined may result in the entry into the United States of injurious plant diseases or

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insect pests, the said commission shall promulgate its decision, and thereafter, and until such promulgation is withdrawn, such plants and plant products imported or offered for import into the United States, or any of its possessions, shall be subject to all the provisions of this Act.

SEC. 11. That the term "Territory," as used in this Act, shall include the insular possessions of the United States and the Canal Zone.

SEC. 12. That any person, firm, or corporation who shall violate any of the provisions of this Act, or of the rules or regulations herein provided for, or who shall forge, counterfeit, alter, deface, or destroy any certificate provided for in this Act or in the regulations of the Federal Horticultural Commission, shall be deemed guilty of a misdemeanor, and shall, upon conviction thereof, be punished by a fine not exceeding five hundred dollars or by imprisonment not exceeding one year, or both such fine and imprisonment, in the discretion of the court; and it shall be the duty of the United States attorneys diligently to prosecute any violations of this Act which are brought to their attention by the Federal Horticultural Commission or which come to their notice by other means.

SEC. 13. That there is hereby appropriated out of the moneys in the Treasury not otherwise appropriated, to be

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expended as the Federal Horticultural Commission may direct, for the purposes and objects of this Act, the sum of fifty thousand dollars, which appropriation shall become available on

SEC. 14. That this Act shall become and be effective from and after the first day of July, nineteen hundred and twelve.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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FROSTS and snow at Boskoop, Holland, are reported as delaying the shipment of nursery and other stock.

THERE was a horticultural exhibition in connection with the fair held February 13-16 at Santa Fe, Isle of Pines.

Personal.

Helen Christine, daughter of Mrs. and the late William Scott of Buffalo, N. Y., was married on February 5 to Isaac Courtland Kantowitz.

Jefferson Thomas, of the McFarland Publicity Service, Harrisburg, Pa., is gathering business and photographs in Florida.

O. C. Simonds, the Chicago landscape gardener, and wife, are in Florida on business and pleasure.

Chrysanthemum Society of America.

A special premium is offered by George W. Burke for the 1912 exhibition of the Chrysanthemum Society of America as follows:

Best six blooms on long stems Chrysanthemum Mrs. George W. Burke; first prize, \$15; second prize, \$10.

CHAS. W. JOHNSON, Secy.

Society of American Florists.

I have been instructed by President Richard Vincent, Jr., to notify the directors of the S. A. F. to meet in Chicago March 13, at 10 a. m. The hotel where the meeting will be held to be announced later. The meeting is called for the purpose of making arrangements for the next convention which is to be held in that city in August and to transact any other business that may come properly before the meeting.

At this meeting of the board of directors, all arrangements, rules, rates, etc., are made for the next convention, and immediately after this meeting I will send out full particulars, diagrams, etc.

I publish this notice in reply to the many enquiries I am receiving regarding space. To the members outside of New York City I would say that if your secretary can be of any service to you in New York, do not hesitate to make any request. I will carry out any commission to the best of my ability.

JOHN YOUNG, Secy.

Interdiction of Italian Flowers in France.

Consternation reigns among the cut flower wholesalers of the Paris markets. Yesterday many of them were advised telegraphically by their shippers in the south of France and on the Italian Riviera that the French government had forbidden the importation of all cut flowers as well as all living plants from Italy. The fact was exact as inquiry at the head offices of the French customs administration showed, and the Paris and the southern, and indeed all European flower markets which usually provision through French shippers, are alike short of roses of the following varieties: Frau Karl Druschki, G. Nabonnaud, Louis Van Houtte, Safrano and Cecile Brunner.

The season has been far below normal in productiveness in southern France and the further shortage of a thousand to twelve hundred five kilo baskets in Paris and four times that quantity by the middlemen, or shippers, in the coast towns shows to what an extent Italy was a furnisher of roses which, to tell the truth, were usually sold as the product of the French Riviera. Attendant profits are likewise to be cut to a derisory level if the embargo is to continue. In 1910-11 a volume of affairs of something more than two and a half million francs was recorded, Germany (Berlin, Frankfurt and Hamburg) being the largest foreign buyer of cut flowers in French markets.

The interdiction has not only placed a ban upon the importation of Italian roses merely because of demands of "protection" by French growers for the very good reason that there is a commonly recognized shortage of the cheaper commercial varieties. For this reason supplies have for long been regularly drawn from the rose gar-

dens of the Italian Riviera where their culture is on the same comparative intensive scale as is that of the carnation at Antibes and violets, narcissus and hyacinths at Hyeres, Ollioules and Toulon.

The "Service Physiologique" of the French Agricultural Department announces that the malady known as Diapres pentagona is supposed to have attacked most Italian vegetable, plant and flower products and that it is to prevent its introduction into France that all such are to be declared as contraband at the Italian frontier.

M.

Chicago's Spring Flower Show.

The final premium list is being mailed this week. A new class has been added for the best display of sweet peas, silver and bronze medals being offered for first and second prizes.

President Richard Vincent, Jr., of the Society of American Florists, with the approval of Charles H. Totty, chairman of the National Flower Show committee, has authorized the offering of the silver and bronze medals of the Society of American Florists at the coming show for plants or flowers of American origin.

The executive committee of the Horticultural Society has decided to invite the directors of the Society of American Florists, who will be in session at Chicago during the flower show, March 12-17, to act as a jury of awards in judging all competitive classes.

An appropriation of \$250 has been made for retail florists' exhibits, including table decorations, and its distribution, to be in non-competitive awards, has been placed in the hands of a committee consisting of George Asmus, Carl Cropp and Duncan A. Robertson.

J. H. BURDETT, Sec'y.

Inspection and Quarantine Bills.

A copy of bill H. R. 18,000, introduced in the national house of representatives, January 15, 1912, by Representative Simmons, to regulate the importation and interstate transportation of nursery stock and the establishing and maintaining of quarantine districts for plant diseases and insect pests will be found on page 235 of this issue.

It will be seen on comparing this with the bill drafted by W. P. Stark and Prof. S. J. Hunter of the Western Association of Nurserymen, which appeared in THE AMERICAN FLORIST, issue of February 10, that it differs in many radical ways: The Federal Horticultural Commission is differently constituted; the United States and its possessions are included; instead of state or territorial officials, agents of the commission are to be advised and have control; the term "nursery stock" does not include "vegetable and flower seeds, bedding plants and other soft-wooded herbaceous plants, bulbs or roots," and the appropriation for the purpose of the act is materially increased.

The annual report of the Parking Commission of New Orleans, just received, briefly outlines the plan adopted for beautifying the city and contains the report of Superintendent Baker on the recently established nursery and care of the boulevards and trees of the city.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As salesman in retail trade; first-class designer and decorator, experienced; good references. A GARDENER, 1326 Chicago Avenue, Evanston, Ill.

Situation Wanted—German gardener and florist married, age 34, life experience, wishes position as foreman on first-class private or commercial place. J. BAUER, Chichester, N. Y., Ulster Co.

Situation Wanted—Landscape architect; gardener; practical man for executing plans in every department; references; single; sober. Address ROBERT GIESLER, R. D. Box 33, San Luis Obispo, Calif.

Situation Wanted—By A1 rose grower (teas and Beauties); German, competent in all other cut flowers and choice pot plants, as working foreman; state wages. Address Key 565, American Florist.

Situation Wanted—As gardener on private place; grower of first-class stock and fruit; single; German; strictly sober and a hustler; can take full charge. Address Key 574, care American Florist.

Situation Wanted—Experienced in carnations; chrysanthemums and general greenhouse work; I will accept reasonable wages; good references; total abstainer. Address Key 571, care American Florist.

Situation Wanted—By gardener, Scoteman, 35; private place preferred; greenhouse, grounds, vegetable and flower gardens; can grow and propagate any kind of perennial flowers; state wages. Address Key 559, care American Florist.

Situation Wanted—As gardener; 18 years' experience growing roses, carnations, mums, pot and bedding plants; greenhouse or outside work; age 30 years; single; good hand for all work or private place; steady position. Address JOSEPH F. CHONTAS, 34 Columbus Ave., Fort Chester, N. Y.

Situation Wanted—Gardener with 14 years' experience in all branches wants position in park, private estate, or with architect. Have experience in grading work, am able to execute planting plans and had also experience in nursery. Can furnish first class references. At present I am located in the west. Address Key 572 care American Florist.

Situation Wanted—As working foreman; good grower of roses, carnations, mums, nursery stock, etc.; over twenty years' experience on good wholesale and retail places; can take full charge and make good place pay; hard worker and good manager; sober and reliable; married; permanent; several years at present place; will go anywhere; salary or shares; references. F. UBER care 74 Gauntier Av., Jersey City, N. J.

Help Wanted—A young lady florist to help in store and office; give reference. Address Key 569, care American Florist.

Help Wanted—A good all-round man, one who thoroughly understands growing and watering; position in an eastern city; married man preferred; references. Address Key 570 care American Florist.

Help Wanted—A good blacksmith with a couple of hundred dollars can make a fine connection with a large greenhouse plant in Illinois; gilt-edge proposition; act quick. Address Key 666, care American Florist.

Help Wanted—A competent rose grower on a commercial place near Chicago. Must have had experience with bench and pot roses. Also want an experienced palm grower. Address Key 561, care American Florist.

Help Wanted—Young man as assistant florist and vegetable gardener; state wages and particulars in first letter; references wanted. Apply to C. R. STARKE, Chief Gardener, Boys' Industrial School, Lancaster, Ohio.

For Sale—Three acres of land, 2 greenhouses, 15,000 feet of glass, hot water heat, modern house and barn. Write for particulars. Address C. H. MCCREEDY, Sta. D, Milwaukee, Wis.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL Great Falls, Montana.

For Sale—Small but good greenhouse plant and cottage in fast growing town in Oklahoma; no competition within 35 miles; the best of bargains; write for particulars. Address Key 576, care American Florist.

Wanted—To Buy—Forty good second-hand hotbed wash. J. W. MILLER Hope, Ind.

Wanted—Lady wishes to communicate with an employer of advanced ideas who will give her the privilege of boarding his employes; good cook; splendid manager. Address Key 566 American Florist.

Help Wanted

RETAIL SEED CLERKS

MALE or FEMALE—write experience and salary.

THE W. W. BARNARD CO., 231-235 W. Madison St., CHICAGO.

Wanted

GARDENER

for private place, some glass, grounds 4 acres. Must have a good general knowledge of raising first class flowers and vegetables. Unmarried man preferred. Intoxicants positively prohibited. Good wages and home. 200 miles from Toronto. Address, DUNLOPS, 96 Yonge St., TORONTO, CAN.

For Sale

Restaurant with stores on well known nursery grounds near Chicago. This is a splendid opportunity for a married couple, as the man can find employment in the nursery while his wife looks after the restaurant which has fifteen to twenty steady boarders. This will bear the closest investigation and will be sold for cash only. Chance of a lifetime. For further particulars, address Key 562, care American Florist.

CIVIL SERVICE BOARD.

The West Chicago Park Commissioners.

Examination No. 17—HEAD FLORIST.

An Original Entrance Examination has been ordered for HEAD FLORIST, Class A, Grade III, Division Y, pay \$140.00 to \$200.00 per month. The pay assigned to the vacancy now existing is \$150.00 per month. The examination will be held at the Garfield Park Pavilion, Chicago, on February 27th, 1912, at 9:00 a. m. Application blanks may be obtained by addressing the Civil Service Board, Room 706 Wendell Bank Building, 1551 West Madison Street, Chicago, and must be returned to the Board before 5 o'clock p. m. of February 26th, 1912. All applicants must show proof of their having done at least 4 years of responsible work in propagating and horticultural and floral exhibition houses.

The subjects of the examination will be: Special Subject, weight of 6; Experience, weight of 3; Educational, weight of 1.

The Special Subject will be both oral and written, and will include questions on horticulture, botany and the care and propagation of plants for exhibition purposes.

The Head Florist is in full charge of the Garfield Park Conservatory and the propagating houses connected therewith. The outdoor gardens and flower beds in all the Parks in the System are also under his care. He is also required to prepare for and arrange special floral exhibits.

Examination No. 18—FLORIST.

An Original Entrance Examination has been ordered for FLORIST, Class 3, Grade II, pay \$2.25 to \$2.50 per day. The examination will be held at Garfield Park Pavilion on February 27th, 1912, at 9:00 a. m. Application blanks may be obtained at the office of the Civil Service Board, Room 706 Wendell Bank Building, or at the West Park Playgrounds. Applications must be returned to the office of the Board before 5 o'clock p. m. of February 26th, 1912.

Subjects of Examination; Special Subject, weight of 5; Experience, weight of 3; Physical, weight of 2.

The Special Subject will include an oral and a practical test in greenhouse work and written questions on the care and propagation of plants and greenhouse operations.

The duties of Florist are general work in the conservatory and propagating houses and in the outdoor gardens throughout the System.

FRED G. HEUCHLING, Supt. of Employment.

January 31, 1912.

Storeman

Capable of taking charge is desirous of securing a situation in an up-to-date retail store; good designer and an A1 salesman; best of references; Middle West or Pacific Coast preferred.

Address Key 568, American Florist.

PARK COMMISSIONER

FOR TORONTO, CANADA.

Applications for the above named vacant position will be received by the undersigned. Applications should be accompanied with full particulars as to applicant's ability and experience, with testimonials, etc.

G. R. GEARY, (Mayor),

Chairman Board of Control.

City Hall, Toronto, Jan. 17, 1912.


For Sale == A Bargain.

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25 x 100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms.

Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Illinois.

The Early Advertisement Gets There.



THE BOOK OF GLADIOLUS

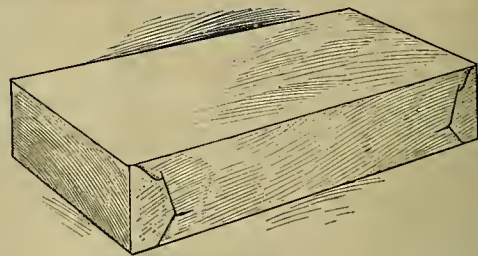
THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.



Folding Flower BOXES.



3 Reasons for Our Rapid Growth:
 Quality unexcelled; Prices equal to any; Deliveries prompt.

The Leading Flower Box Line in the Country.

Make your selection from 170 sizes in 8 different colors.

Palm Green, Mist Gray, Mist Brown.		White Glaze, Green Glaze, Pink Glaze.		Extra Heavy Spray and Design—Palm Green.		Extra Heavy Spray and Design—Mist Gray.		Violet and Corsage Boxes.	
Per 100		Per 100		Per 100		Per 100		White and Violet Glaze.	
16x 4 x3	\$ 1 85	16x 4 x3	\$ 2 65	23x12x5, Telescope	\$ 7 50	30x 9x 4, Telescope	\$ 6 50	Per 100	
20x 4 x3	2 15	20x 4 x3	3 00	30x12x6	10 00	30x12x 6	10 50	7x4x4	\$2 50
18x 5 x3	2 15	18x 5 x3	3 00	12x12x8	9 00	48x 8x 5	12 50	8x5x5	4 00
21x 5 x3	2 50	21x 5 x3	3 50	16x16x8	10 00	12x12x 8	9 50	10x6x5 1/2	5 00
24x 5 x3 1/2	3 00	24x 5 x3 1/2	3 75	20x20x8	13 00	14x14x 8	10 00	12x8x5 1/2	6 00
30x 5 x3 1/2	3 30	30x 5 x3 1/2	4 50	24x24x8	15 00	16x16x 8	10 50	Plain Violet	
36x 5 1/2 x3 1/2	4 50	36x 5 1/2 x3 1/2	5 65	28x28x8	19 00	20x20x 8	13 50	7x4x4	1 75
21x 7 x3 1/2	3 25	18x 6 x3 1/2	3 65	32x32x8	25 00	24x24x 8	15 50	10x6x5 1/2	2 50
24x 8 x4	3 85	21x 7 x3 1/2	4 00	20x12x8	10 00	24x24x10	20 00	11x8x5 1/2	3 50
24x 8 x5	4 15	21x 8 x4	4 65	28x22x8	16 00	28x28x 8	19 50	Mist Gray	
28x 8 x4	4 35	24x 8 x4	5 25	24x14x8	12 50	32x32x 8	25 50	7x4x4	2 50
28x 8 x5	5 00	24x 8 x5	5 75	30x14x8	14 50	20x12x 8	10 00	8x5x5	2 75
36x 8 x5, Telescope	7 00	28x 8 x4	6 00	32x17x8	16 00	24x14x 8	13 00	10x6x5 1/2	3 00
36x10 x5	7 50	28x 8 x5	6 50	36x14x8	16 00	30x14x 8	15 00	12x8x5 1/2	3 50
30x10 x5	9 00	36x 8 x5, Telescope	9 00	40x14x8	17 50	36x14x 8	16 25	14x10x8, Telescope	6 00
40x 8 x5	9 00	36x10 x5	11 00	36x17x8	18 50	40x14x 8	17 75	Palm Green	
42x 8 x5	11 00	40x 8 x5	11 00	42x17x8	20 00	42x17x 8	20 50	12x8x5 1/2	3 50
42x10 x5	13 00	42x 8 x5	13 25	All our Flower Boxes are made from Moisture-Proof Board.				15x6x5	3 50
48x10 x5	15 00	42x10 x5	15 00					14x10x8, Telescope	6 00
48x10 x5	15 00	48x10 x5	18 00						

No printing charges on lots of 300 or over.

Special discounts allowed on quantity orders.

Complete samples sent on application.

A. A. ARNOLD,

16-18-20-22 South Peoria Street,

CHICAGO.

Lancaster, Pa.

A meeting of the Lancaster County Florists' Association was held February 15, with an attendance that filled the Chamber of Commerce rooms. H. D. Rohrer & Son exhibited some exceptionally fine white and yellow daisies and a vase of White Wonder that was far ahead of anything we saw in Detroit. Elmer Weaver and The Wheatland Aquarium & Greenhouse Co. each exhibited a vase of well-grown Mrs. C. W. Ward, which is a very popular variety in this section. Amos Rohrer of Strasburg exhibited a fine vase of Mrs. T. W. Lawson, a variety that he has grown continuously since its introduction, and with continuous success. Washington was shown in fine form by Albert M. Herr. The new daisy, Mrs. F. Sander, was exhibited by E. P. Hostetter of Manheim, and three extra fine vases of sweet peas by Chas. Weaver of Ronks, one vase being a selection of Earliest of All, a big improvement in color.

The paper of the evening by H. D. Rohrer was partly historical and partly cultural and was both interesting and instructive. He recalled their first investment in a new carnation, Heinze's White, in which they invested \$20.00, at that time a big price, it proved a veritable gold mine, a later investment of \$75.00 in Prosperity proved a veritable gold brick. In the cultural part he advised where it was not practical to change the soil each season in solid beds, to put a good coat of air slaked lime on the beds as soon as they are cleaned up and then allow them to dry thoroughly during the summer by this treatment he had used the same soil with success for ten years.

The paper brought forth a lively discussion. Beacon had some pretty hard raps for splitting, but as several were growing it without any splits it was decided that some did not know how to grow it. Mrs. C. W. Ward was declared very susceptible to an over supply of moisture either overhead or in the soil. White Wonder and Gloriosa were declared the coming

carnations in their colors, and so on for several hours the discussion held forth, with a motion before adjournment to invite D. T. Connor to read a paper on greenhouse construction at the meeting of March 21.

Lancaster county has long enjoyed the distinction of being the garden spot of the United States; this association is going to try and make it the floral center of the United States for our specialties, carnations and geraniums, if we all have to get under the same greenhouse roof to do it.

ALBERT M. HERR.

Nashville, Tenn.

Trade has been more or less spasmodic since the holidays, sometimes coming on with a rush and then dropping down to almost dullness. St. Valentine's day helped out no little and the splendid stocks of flowers put on the market by the dealers met with a fine sale. Since the first of January sweet peas have been in the market. Violets are coming in more abundantly, while carnations and even roses have slacked up in blooming; but there is an abundance of all other kinds of stock. All the bulbous stock, hyacinths, both Roman and Dutch, narcissus, the Von Sion and Paper White and others may be had in abundance. Cinerarias, cyclamen and primulas are in their prime and blooming azaleas are gorgeous. The sale on St. Valentine's day comprised quantities of potted plants as well as cut flowers, and all the florists did a good and satisfactory business. Some of the prettiest conceits and combinations were made to please the fancy of the buyer. White azaleas threaded with lavender baby ribbons and the pots trimmed in a cover of the same shade were one idea and even the Primula obconica treated in this way was very beautiful. The windows of the floral stores were decorated in real valentine style with heart baskets, violet baskets and boxes, and a perfect riot of color mingling happily and artistically together. The uptown florists had all they could do in putting up and sending out their orders, and all say it was one of the best

St. Valentine's days they had ever had, far surpassing that of any previous year. There was an abundance of flowers and even some wholesaling was done to out of town florists.

NOTES.

The Joy Floral Company had a superb stock on sale, everything one could think of or desire, and made splendid sales, calling in extra help to wait on the trade. Their display window was filled with potted azaleas, narcissi, carnations and even a vase of handsome orchids, the colors combined and arranged most artistically, with handsome gauze ribbons threading through all and looked like a large valentine ready to be sent out.

Leon Geny has taken possession of his handsome new home which he has just built on Twenty-second avenue, one of the fashionable thoroughfares of the city. It is a modern, up-to-date, two-story brick house with all modern conveniences, and has been handsomely furnished.

Geny Bros. cut ten thousand violets and sold them all, besides selling any quantity of potted azaleas and other plants. They had a fine supply of red carnations, a very popular valentine flower. Their potted azaleas were magnificent, and sold well.

Haury & Sons continue to prosper in their pretty new store and were well pleased with the valentine trade. They had, besides all the other various plants, Dutch hyacinths in pots that were very popular with their customers.

M. C. D.

PHILADELPHIA, PA.—The Germantown Horticultural Society held an exhibition of plants and flowers February 12.

ELBERON, N. J.—At a meeting of the Elberon Horticultural Society held February 5, it was decided to hold a chrysanthemum show at Asbury Park October 29-31. Special premiums have been donated by Charles H. Totty of Madison, N. J., a \$50 cup, and Samuel Heilner of Spring Lake, a \$25 cup, and several cash prizes by seed dealers. The subject of holding a summer show was referred to a special committee.

Announcement to the Wholesale and Retail Florists' Trade

We have Leased the
Entire First Floor of
the Coogan Building,
55-57 West 26th
Street. : : : : :



A. MOLTZ.

The Entire Floor,
through the removal
of the present
partitions, will be
changed into One
Unbroken Space,
and improvements
will be made. : : :

We will continue to occupy a large portion of this space for Our Wholesale Business, carrying our usual full line of Flowers, with the addition of a Full supply of

Gardenias and Cattleya Orchids.

We extend a Hearty Welcome to Our Patrons, Old and New, and will endeavor to serve One and All to the Best of Our Ability.

Henshaw & Fenrich, A. Sauter, Alexander J. Guttman, The Growers' Cut Flower Company, and several other Wholesale Florists who are at present occupying space on this floor will so continue. There is some desirable space still available for the conduct of a Wholesale Business, which can be rented on application to the undersigned.

Yours truly,

A. MOLTZ & COMPANY

COOGAN BUILDING

55-57 West 26th Street, NEW YORK CITY

Telephones 617 and 618 Madison Square.

LILIES

LARGE PERFECT FLOWERS, LONG STEMS, \$12.00 PER 100.

The Quality of Our Lilies Is the Admiration of the Trade.
No better or larger flowers have ever been received in this market.

Current Price List: Subject to market changes.

American Beauties

	Per doz.
Specials, 48-inch stems and over.....	\$5.00 to \$ 6.00
30 to 36-inch stems.....	3.00 to 4.00
24-inch stems.....	2.00 to 2.50
15 to 20-inch stems.....	1.50
12-inch stems.....	1.00

Carnations

	Per 100
Extra fancy red (Bassett).....	\$4.00 to \$5.00
Extra long fancy white.....	3.00 to 4.00
Extra long fancy Enchantress.....	3.00 to 4.00
Winsor.....	2.50 to 3.00

Bulb Stock

	Per 100
Easter Lilies.....per doz., \$1.50; per 100	\$12.00
Tulips, all colors.....	3.00 to 4.00
Daffodils, single and double.....	3.00
Lily of the Valley, per 100.....	3.00 to 4.00

Select Pink and White SWEET PEAS, per 100.....75c to \$1.00

We Are Growers of All the Stock We Sell and Guarantee It to Be Strictly Fresh.

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago.

Greenhouses: Hinsdale, Ill.

Roses

Rhea Reid, Richmond, Pink Killarney,
White Killarney and Perle.

	Per 100
Specials extra select.....	\$12.00
Long.....	10.00
Medium.....	8.00
Short.....	5.00

Greens

	Per 100
Asparagus, sprays, per 100.....	3.00 to 4.00
Sprengeri, per 100.....	2.00 to 3.00
Ferns, per 1,000.....	2.50
Smilax, per doz.....	2.00
Adiantum, per 100.....	1.00 to 1.50
Galax, green, per 1,000.....	1.00
Galax, bronze, per 1,000.....	1.00

Chicago.

A MORE ABUNDANT SUPPLY.

The market begins to take on a spring like appearance, for with the warmer weather which has followed the long arctic spell the flowers have begun to come in in much larger quantities, especially the bulbous stock which makes the retail stores look like a spring garden. With the exception of roses, which are not yet in an over-abundant supply, all kinds of stock are being received in good quantities. Roses, however, have not yet responded to the warmer weather, and the receipts are easily sold. American Beauty is showing a gain and the receipts are larger, but Killarney, White Killarney and the other teas and hybrid teas are slow in coming into crop and the blooms that are received find a ready sale and the prices are held very firm. Carnations have quickly felt the warmer and brighter weather and the quantity has increased rapidly but the quality is superb, the counters at both the retail and wholesale stores being supplied with excellent flowers. Bulbous stock is beginning to be too plentiful, large quantities of tulips of all the leading varieties, both double and single, are received daily, and narcissus of all kind are in bountiful supply, the retail stores are featuring them in boxes and pans beautifully ornamented with harmonious accessories, one large window this week being filled with Von Sion narcissus which made a gorgeous display that caused every passer by to stop and admire them. Beside Von Sion there are Golden Spur, Trumpet Major and a few Emperors and Paper White and Orange Phoenix in good supply. Dutch hyacinths are also seen in quantity, both in pots and as cut flowers. Lily of the valley is

also quite plentiful and the stores have some very finely grown pans of these nicely decorated on display. Lilies are in good supply and some blooms of splendid substance and size are to be had from the dealers handling them. Violets are a little too abundant and are offered at low prices. It is said that there were a million of these flowers received for St. Valentine's week, but many of the shipments were delayed and they reached the hands of the bargain hunters and were sold very cheap the last of the week. Orchids are in good supply and are featured extensively in all the best stores. Sweet peas have been received in large quantities and some beautiful long-stemmed flowers of all the different colors are to be had. Mignonette, marguerites, calendulas, Roman hyacinths, lupines, antirrhinums and stocks both single and double are now daily offerings. Asparagus and adiantum are none too plentiful but smilax is in good supply. Hardy ferns are still good property and the prices are held very firm. The supply of moss is very low, and the shipments are not large. The prices in some lines are not at all stable and some of the smaller buyers are wondering how the larger stores are advertising at less than they have to pay at wholesale.

NOTES.

The Fleischmann Floral Co. celebrated this week their twelfth anniversary by a grand sale of beautiful floral products. The store was artistically arranged with fine specimen plants of azaleas, nicely grown lily of the valley, bulbous stock and other plants were advantageously shown. The window displays were magnificent. One was an arrangement of miniature lakes with banks of moss and white limestones, among which were



**American Beauties,
Roses,
Carnations,
Orchids, Gardenias,
Valley, Violets,
Daisies, Lilies, Etc.
Greens.**
At lowest market rates

Weiland & Risch

154 N. Wabash Ave.,
CHICAGO.

Mention the American Florist when writing

displayed beautiful orchids and other flowers and specimen blooming plants. The other window was a gorgeous display of finely grown pots of Von Sion narcissus nicely ornamented with harmonious pot covers.

Bassett & Washburn are still showing a large quantity of fine lilies and are commencing to cut more plentifully in Killarney and White Killarney roses. An automatic telephone has just been installed and the number is 47-314.

Johnson & Chronis' large plate glass windows were blown out in the blizzard of February 21.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

BEAUTIES, Richmonds, Killarneys, and other Choice Roses

Extra Fancy Carnations ORCHIDS --- VALLEY, Sweet Peas, Violets, Romans, Lilies, Tulips.

CURRENT PRICE LIST

AMERICAN BEAUTIES.		Per doz.			Per 100
Long Special		\$ 6.00		MELODY, long	\$12.00 to \$15.00
36-inch		5.00		Medium	8.00 to 10.00
30-inch	\$3.00 to	4.00		GOOD SHORT STEM ROSES.	
24-inch		2.00		Our selection	5.00 to 6.00
15-inch to 20-inch		1.50		Our Extra Special Grade Roses charged accordingly.	
12-inch		1.00			Per 100
Short Stem, per 100	\$4.00,	6.00		CARNATIONS, fancy	\$ 4.00
				" first quality	3.00
				" splits	2.00
RICHMOND, select		\$15.00		ORCHIDS, Cattleyas, per doz	\$4.00 to \$5.00
Fancy		12.00		HARRISII, per doz	\$2.00 12.00
Medium	\$8.00 to	10.00		NARCISSUS PAPER WHITE	3.00
Good Short		6.00		ROMANS	2.00 to 3.00
PRINCE DE BULGARIE, extra select		\$20.00		VALLEY	3.00 to 4.00
Select		15.00		VIOLETS, double .....	.75 to 1.00
Medium	\$10.00 to	12.00		VIOLETS, single, Princess of Wales	1.00 to 1.25
KILLARNEY, select		\$15.00		MIGNONETTE, large spikes	6.00 to 8.00
Fancy		12.00		FREESIAS	3.00 to 4.00
Medium	\$8.00 to	10.00		JONQUILS	3.00
Good Short		6.00		DAFFODILS	3.00
MRS. AARON WARD, extra		\$15.00		TULIPS, all colors	3.00 to 4.00
Select		12.00		NOVELTY TULIPS	5.00
Medium	\$8.00 to	10.00		SWEET PEAS .....	.75 to 1.00
MY MARYLAND, select		\$15.00		ADIANTUM, short .....	.75
Fancy		12.00		ADIANTUM CROWEANUM, fancy	1.00
Medium	\$8.00 to	10.00		SMILAX	per doz, \$2.00
Good Short		6.00		SPRENGERI PLUMOSUS SPRAYS	3.00 to 4.00
WHITE KILLARNEY, select		\$15.00		PLUMOSUS STRINGS	each, 60c
Fancy		12.00		FERNS	per 1,000, \$2.00
Medium	\$8.00 to	10.00		GALAX	per 1,000, 1.00
Good Short		6.00		LEUCOTHOE .....	.75
PERLE, long		\$ 8.00		BOXWOOD, per bunch	25c
Medium		6.00		BOXWOOD, per case	\$6.50
Short		4.00		MEXICAN IVY	per 1,000 6.50 .75

**POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES**

We make these a speciality.
Can supply them all the Year.
Once tried you will have no other

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

CARNATIONS

A Large Quantity of All the Leading Varieties in Red, White and Pink.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

	Per Dozen	Per Dozen
60-inch stems	} \$5.00	24-inch stems.....\$3.00
48-inch stems		20-inch stems..... 2.50
36-inch stems	} 4.00	15-inch stems..... 2.00
30-inch stems		

Killarney.

	Per 100
Extra special.....	\$12.00
Selects.....	10.00
Fancy.....	8.00
Medium.....	7.00
Good.....	6.00
Short stems.....	5.00

Richmond

	Per 100
Extra special.....	\$15.00
Selects.....	12.00
Fancy.....	10.00
Medium.....	8.00
Good.....	6.00

Jardine

	Per 100
Select.....	\$10.00
Fancy.....	8.00
Good.....	6.00

White Killarney

	Per 100
Extra specials.....	\$12.00
Selects.....	10.00
Fancy.....	8.00
Medium.....	7.00
Good.....	6.00
Short stems.....	5.00

Uncle John

Select.....	\$ 8.00
Fancy.....	6.00
Good.....	4.00

Roses, our selection - - - \$5.00

Carnations,

Special.....	\$3.00
Fancy.....	2.00
Good.....	1.50

TULIPS.....\$3.00 to 4.00

FERNS, per 1000, \$2.50. SMILAX, per doz., \$1.50 to \$2.
 ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.
 SPRENGERI, per 100, \$2.00 to \$3.00.
 ASPARAGUS SPRAYS, per 100, \$2.00 to \$3.00.

E. E. Pieser the "Peony King," was surprised as well as delighted the other day when an acquaintance presented him with a Madam Calot peony that was nearly in full bloom, and which came from the Geo. Wittbold Co.'s greenhouses at Edgebrook. Mr. Pieser, as everyone knows, deals largely in peonies and his gambling every spring is the talk of the trade. He has for some time been seeking information in regard to a location where the conditions would be such that these flowers could be successfully grown so as to bloom in July. If any one knows for an absolute certainty of such a place he will find it to be to his interest if he would communicate with the Peony King immediately.

T. E. Waters, with Pochlmann Bros. Co., has returned from a successful business trip to New Orleans, La. Mr. Waters reports having had a most enjoyable time and feels highly elated over the fact that he had a special invitation from Mayor Behrman and U. J. Virgin of the southern metropolis to view the grand Mardi Gras festivities, which is being held this week, with the city officials and other notables.

The Des Plaines Floral Co. is filling a large number of orders for rooted carnation cuttings of Washington, Mrs. C. W. Ward, Beacon, White Enchantress, May Day and Sangamo. Blewitt & Prickett, the proprietors, have a justly-earned reputation for giving satisfaction and have every reason to feel proud of their long list of regular customers.

Buchbinder Bros., 518-20 Milwaukee avenue, manufacturers of florists' re-

frigerators, are receiving many inquiries from the trade in regard to their line and from present indications it looks as if the company is going to have a banner year.

Wm. Duntemann says that violets brought a pretty good price this season and that on the whole his returns were very satisfactory. Of course, this does not include the returns for the shipments of the present week.

The Alpha Floral Co. enjoyed a very brisk trade last Friday, February 16, when they furnished a lot of plants and cut flowers for the Chinese New Year decorations in many of the local chop suey restaurants.

Anthon Then and wife left February 20 for Magnolia Springs, Ala., on a four weeks visit. Mr. Then says that the mineral water at this famous resort is the best remedy obtainable for kidney troubles.

The Leedle Floral Co. of Springfield, O., has its spring price list well distributed in this city and many of the florists seem to think that their "Declaration of Independence" will bring them much trade.

H. Van Gelder is breaking in his new auto during his spare moments, and a magnificent maroon body Buick car can be seen scurrying around the wholesale cut flower district this week.

John Kruchten is offering something choice in gardenias, roses, carnations and lilies and is prepared to fill all orders in these and other seasonable cut flowers.

The Briggs Floral Co., a branch of the Briggs House Florists, sold their lease and closed their store on East Van Buren street Friday, February 16.

Paul M. Bryant says that E. H. Hunt's spring catalog is now in the hands of the printers and will be ready for mailing soon. Send for one.

Mrs. Louis Winterson and Mrs. W. P. Kyle, who were recently operated upon, are getting along nicely and early recoveries are looked for.

Chas. Balliff says that Fischer Bros. of Evanston are enjoying a fine business and that the St. Valentine's day trade was very satisfactory.

The E. F. Winterson Co. is offering a fine assortment of stock, with choice carnations and violets in very large quantities.

H. N. Bruns is still talking about that European trip, but has not yet decided on as to just when he will leave.

Mrs. Evans, accompanied by her husband, visited her many friends in the local wholesale market this week.

Ed. Vitter, formerly with the J. B. Deamud Co., is now with Paul Blome & Co., North Clark street.

H. C. Blewitt is cutting a fine grade of Christmas pink sweet peas and they are selling very readily.

Louis Visas says that he is going to open another store in Duluth, Minn., at 110 Superior street.

Winterson's Seed Store reports the arrival of a car load of cannas this week.

A sure sign of spring. Archie Spencer with a new straw hat.

Louis Wittbold took his first degree in masonry this week.

Fritz Bahr's youngest child is ill with typhoid fever.

WHITE KILLARNEY

Killarney, Richmond, Beauties, Mrs. Marshall Field, and Maryland Roses, also Carnations.

EXTRA FANCY STOCK. FINEST IN THE MARKET.

CURRENT PRICE LIST.

AMERICAN BEAUTIES		Per doz.	MY MARYLAND, Special.....		Per 100	Harrisii Lilies,	Per 100
Extra long.....		\$ 5 00	Select.....	12 00		per doz., \$1.50 to \$2.00	
36 inch stems.....		4 00	Medium.....	10 00	Valley.....		3 00 to 4 00
30 inch stems.....		3 00	Short.....	8 00	Violets.....		75
24 inch stems.....		2 50		5 00 to 6 00	Sweet Peas.....		75 to 1 25
20 inch stems.....		2 00	SUNRISE, Select.....	10 00	Paper Whites.....		3 00 to 4 00
15 inch stems.....		1 50	Medium.....	8 00	Tulips.....		3 00 to 4 00
12 inch stems.....		1 00	Short.....	5 00 to 6 00	Romans.....		3 00 to 4 00
Shorts.....		75	MRS. MARSHALL FIELD		Asparagus, bunch.....		3 00
	Per 100		Special.....	10 00	“ strings, 60c to 75c ea.		
RICHMONDS, Special.....		12 00	Select.....	8 00	“ Sprengeri.....		2 00
Select.....		10 00	Medium.....	6 00			2 00
Medium.....		8 00	Short.....	4 00 to 5 00	Smilax.....		1 50 to 2 00
Shorts.....		5 00 to 6 00	PERLES, Special.....	10 00	Mexican Ivy.....		75
KILLARNEY, Special.....		12 00	Select.....	8 00	Galax, bronze and green,		
Select.....		10 00	Medium.....	6 00	per 1000, \$1.00		
Medium.....		8 00	Short.....	5 00	Leucothe Sprays.....		75
Shorts.....		5 00 to 6 00	Roses, our Selection.....	5 00	Boxwood, per bunch.....		.25c
WHITE KILLARNEY, Special		12 00	Carnations, Fancy.....	3 00	Ferns.....		per 1000, \$2.50
Select.....		10 00	“ Splits.....	1 50			
Medium.....		8 00					
Short.....		5 00 to 6 00					

PETER REINBERG,

30 E. Randolph Street,

CHICAGO.

The George Wittbold Co. is enjoying a busy season at its greenhouses in Edgebrook, where the demand for bedding plants, palms, ferns and Easter forcing stock is exceedingly heavy. The German ivies, achyranthes, ageratum, coleus, marguerites, pansies and chrysanthemum plants and cuttings are in fine condition and are ready to be shipped. Lilies, azaleas, rhododendrons, spireas and other stock for Easter forcing is having a good call and it is expected that the entire list will be ordered up before very long.

The American Beauties and other roses that Poehlmann Bros. Co. is cutting are of fine quality as are also the sweet peas, orchids and other seasonable stock. This firm is now quite at home in its new surroundings where it is much better prepared to take care of its ever increasing business.

A. Henderson & Co. have leased a room 40x60 feet in the old historic Fort Dearborn building and will use it for storage purposes. A. Miller has returned from a successful eastern trip and is now calling on his local customers.

Robert Northam says that George Reinberg is again cutting quite heavily in American Beauty roses and that he has once again managed to come into crop when these roses command the highest prices.

N. J. Wieter, Joseph Trinz, W. H. Kidwell, Harry Lubliner and George Asmus have returned from Columbus, O., where they attended the funeral of Wm. Graff which was held last Tuesday, February 20.

C. C. Pollworth and wife, of Milwaukee, Wis., visited friends and celebrated his birthday here on February 17.

C. M. Dickinson and wife have gone to Magnolia Springs, Ala.



ORCHIDS

and All Other Desirable Flowers

A fine stock of Cattleyas, Gardenias, Sweet Peas, Assorted Orchids, Valley, Violets, Beauties, and all fancy flowers always on hand. Decorative stock and supplies of all kinds.

Send for Price List.

CHAS. W. McKELLAR

162 N. Wabash Avenue,
CHICAGO.

Mention the American Florist when writing

BRANT & NOE FLORAL CO.

Grows Carnations Only. Nineteen years of direct shipments from greenhouses to retailers, at reasonable prices, is the cause of so many long satisfied customers.

We know Our Business and do everything in our power to please. Send your orders. Get as good as the best, at first cost affording you a profit with patrons seeking your store again and again.

Write or Wire **BRANT & NOE FLORAL CO., 5744 Brantwood Ave., CHICAGO**

A special meeting of the Florists' Club has been called for Friday, February 23, at 168 West Randolph street.

John Zech is calling on his customers and attending the Mardi Gras in New Orleans, La., this week.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

OTTO W. FRESE, Manager.

ROSES

LARGE SUPPLY OF SHORT AND MEDIUM

VALLEY

Extra Fancy, \$3.00 per 100.

VIOLETS

Fancy Home Grown Fragrant,
New York Double and
California.

BULB FLOWERS

Large Supply of Everything Seasonable.

PRICE LIST:

	Grade	A	B	C	D	E	F	G
Beauties.....	per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.50	\$ 2.00	1.50	\$ 1.25
Killarneys.....	per 100	12.00	10.00	8.00	7.00	6.00	5.00	4.00
White Killarneys.....	"	12.00	10.00	8.00	7.00	6.00	5.00	4.00
Richmonds.....	"	12.00	10.00	8.00	7.00	6.00	5.00	4.00
My Maryland.....	"	12.00	10.00	8.00	7.00	6.00	5.00	4.00
Perle.....	"	12.00	10.00	8.00	7.00	6.00	5.00	4.00
Maids.....	"	12.00	10.00	8.00	7.00	6.00	5.00	4.00
Brides.....	"	12.00	10.00	8.00	7.00	6.00	5.00	4.00
Carnations.....	"	3.00	2.00	1.50				
Callas.....	"	12.50	10.00					
Easter Lilies.....	"	10.00	8.00					
Orchids, Cattleyas.....	"	35.00						
Lily of the Valley.....	"	4.00	3.00	2.00	1.50			
Violets, Princess of Wales.....	"	.60	.50	.40				
single and double.....	"	.60	.50	.40				
Sweet Peas.....	"	.75	.50	.40				
Mignonette.....	"	4.00	3.00					
Romans.....	"	3.00	2.00					
Narcissus.....	"	3.00						
Daffodils.....	"	3.00						
Tulips, Pink Novelty.....	"	5.00						
assorted colors.....	"	3.00	3.00	2.00				
Jonquils.....	"	3.00						
Daisies.....	"	1.00						
Asparagus Plumosus Sprays.....	"	4.00	3.00	2.00				
Asparagus Sprenger Sprays.....	"	3.00	2.00					
Mexican Ivy, \$5.00 per 1000.....	"	.60						
Smilax.....	"	12.50	10.00					
Adiantum.....	"	1.00						
Galax, Green or Bronze.....	per 1000	1.00						
Ferns.....	"	2.50						
Boxwood, 50-lb. case \$6.00.....	bunch	.25						

The trade was greatly shocked and grieved last Friday, February 16, to hear of the sudden death of Wm. Graff, the well known and popular retailer of Columbus, O. It was only a few weeks ago that he consulted Dr. Billings here and then complained of being a very sick man and went so far as to tell his more intimate friends that he would not recover. He was a very heavy buyer in the local market and was very popular with the trade and leaves a great many friends to mourn his loss. Several prominent local florists attended the funeral, which was held in Columbus, O., last Tuesday, February 20.

Wendland & Keimel are all through with glazing their new range and are now making preparations for planting. Seven of the new houses will be planted to Killarney and White Killarney and it looks as if E. C. Amling Co.'s Killarney Kid will have to get an assistant to help him handle the large supply of stock from these and the other ten houses that Wendland & Keimel will have devoted to growing of these flowers.

Frank Johnson, the A. L. Randall Co.'s efficient sales manager, has returned from a few days' stay in St. Louis and is again seen at the store as busy as ever. Mr. Johnson is receiving some very complimentary letters from his customers, who say that the choice prepared magnolia leaves that his firm is handling are exceptionally fine and more than satisfactory.

The Chicago Carnation Co.'s baseball team, under the able management of Peter Olsem, has already organized for the season and is now framing up a schedule. The boys are going to entertain the visitors at the meeting of the Illinois State Florists' Association

in Joliet with a dance, and cordially invite the trade and their ladies to attend.

One of Thos. McCauley's pet monkeys got out of the cage the other day and made things pretty interesting around the Riverbank greenhouses, besides swallowing his wife's gold watch. Mr. McCauley was seen in one of the local jewelry shops last Tuesday looking for a suitable timepiece to replace the lost watch.

Otto W. Frese, general manager of the Chicago Flower Growers' Association's store, was greatly missed on Monday when he was called home by the serious illness of his wife. Mrs. Frese is, however, feeling much better at this writing, with an early and complete recovery looked for.

J. B. Deamud's father-in-law, H. H. Wilder, superintendent of the mechanical department of the south park system, suffered a heavy loss on February 18 when his residence was almost totally destroyed by fire. J. B. and his son Wilder worked like beavers, but their efforts were in vain.

John P. Weiland of the firm of Weiland & Risch has the sympathy of the trade in the loss of his mother, aged 64, whose death occurred last Friday, February 16. The funeral was held from the home of Peter Risch in Evanston, and the interment was in St. Henrick's cemetery.

The Adam Schillo Lumber Co. reports that business is picking up considerably and that in a couple of weeks more it expects to sell a large amount of pecky cypress to the greenhousemen.

Peter Reinberg will soon be cutting quite heavily in roses and a good supply of Killarney and White Killarney can already be seen at the store. Tim Matchen, the manager, is suffering

Ernst Wienhoeber's health has greatly improved during the past few days.

from a severe cold and has been on the sick list a few days this week.

A. L. Vaughan & Co. are featuring a large assortment of bulbous flowers and are offering some exceptionally fine tulips, daffodils, lilies and jonquils. Mr. Vaughan says that business is very good and that both the local and shipping trade is very satisfactory.

C. L. Washburn, president of the Illinois State Florists' Association, and A. T. Pyfer completed the final arrangements at Joliet on February 21 for the meeting of their organization, which will be held in that city on March 5-6.

John Starrett says that the Hotel La Salle has built a 20-foot orchestra pit in the main dining room, and that he is now obliged to keep this looking beautiful with cut flowers and decorative stock.

Henry Wittbold is getting things in shape at his new store in the building which Percy Jones now occupies, and will now make this the headquarters for his decorating business.

Emil A. Danz says that he is a regular democrat and that he is riding in the Roger Sullivan wagon. His friends are advising him to be careful or he will soon be falling off.

Chas. H. Zapfe, who recently went into the retail business, arranged the decorations for a large wedding in the Florentine room in the Congress Hotel last week.

A. Lange, the busy East Madison street florist had his hands more than full this week with funeral work and some very artistic designs were arranged.

L. Hoekner, better known as "Stogie," is going to use the picture screens in the North avenue theaters for advertising his Clybourne avenue store.

Nick Munsen is very busy these days with funeral and wedding work.

HEADQUARTERS FOR TULIPS

Daffodils, Sweet Peas, Violets,
Lilies, Jonquils and other choice Seasonable Stock.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.
Long stems		\$ 5 00
30 to 36-inch stems		4 00
20 to 24-inch stems.....		3 00
18-inch stems.....		2 00
12 to 15-inch stems		1 50
Shorts.....		1 00
		Per 100
White Killarney } Special.....		\$15 00
Killarney } Fancy.....		12 00
Maryland } Medium.....	8 00 to	10 00
		6 00
Richmond— Special.....		15 00
" Fancy.....		12 00
" Medium.....	8 00 to	10 00
" Short.....		6 00
ROSES, our selection.....	per 100,	\$6.00
Lilies.....	per doz.,	\$1 50 to \$2 00
Callas.....	per doz.,	1 50 to 2 00

	Per 100
Carnations, common	\$2 00 to \$3 00
" fancy	4 00
Cattleyas	per doz., \$5 00 to 6 00
Daffodils.....	3 00
Jonquils.....	3 00
Tulips.....	3 00 to 5 00
Valley.....	3 00 to 4 00
Violets.....	50 to 75
Paper Whites and Romans.....	3 00
Sweet Peas.....	75 to 1 50
Smilax.....	per doz., \$1 50 to \$2 00
Asparagus Strings.....	each, 75c
Asparagus Plumosus.....	per bunch, 25c to 50c
Fancy Ferns.....	per 1000, \$2 00 to \$2.50
Wild Smilax	per case, \$5 00
Boxwood.....	per lb., 25c; 50 lbs., 7 50
Mexican Ivy.....	75
Galax, green and bronze.....	per 100, \$1 00
" " " ".....	per case, \$7 50

A. L. VAUGHAN & CO.

Long Distance Phone
Central 2751.

161 N. Wabash Ave., CHICAGO.

At Wieter Bros.' store the carnations continue to arrive in large quantities and in good condition. The receipts of roses are much heavier and choice stock in all lines is finding immediate sale.

J. A. Budlong's stock in the greenhouses is coming along nicely and the firm will soon be cutting heavily again in roses.

Visitors.—F. H. Henry of Henry & Lee, New York; J. A. Kairins, representing H. A. Dreer, Philadelphia; C. C. Pollworth and wife, Milwaukee, Wis., and F. J. Knecht, Fort Wayne, Ind.

Illinois State Florists' Association.

The seventh annual convention of the Illinois State Florists' Association will be held in Masonic hall, Joliet, Ill., Tuesday and Wednesday, March 5-6, 1912. The meeting will open at 2 o'clock p. m., with introductory remarks by W. N. Rudd of Morgan Park, to be followed by an address of welcome by Hon. Edmund A. Allen, mayor of Joliet, which will be responded to by George Asmus of Chicago. The reports of the officers and the advisory committee Illinois Floricultural Experiment Station will then be read. At the evening session, which will open at 7:30 o'clock, Prof. H. B. Dorner will report on the work at the Experiment Station, other business to be transacted will include unfinished business, new business, question box, and nomination and election of officers.

Wednesday, March 6, will be in the hands of the Joliet florists, with luncheon at noon at the greenhouses of the Chicago Carnation Co.

The exhibition will be in charge of the exhibition committee, Peter Olsem, C. E. Carter and Joseph Labo, and exhibits may be forwarded or space re-

"The Busiest House in Chicago"

HEADQUARTERS

For Wild Smilax, Boxwood, Asparagus Plumosus Sprays,
Asparagus Sprengeri Sprays, Fancy Chicago
Grown and Choice Eastern Violets.

J. B. DEAMUD CO.

160 N. Wabash Ave.,

CHICAGO.

served by writing to Peter Olsem, care of Commercial Club, Joliet, Ill. A certificate of merit will be given any new variety of rose or carnations receiving 85 points or more.

J. F. AMMANN, Secy.

Davenport, Ia.

Business the past two weeks has been exceptionally good, in fact you might say great, with just enough stock of first class quality to fill the demand. Everything in the way of flowers is selling well. There seems to be no favorites, violets, sweet peas, roses, carnations and bulbous flowers having many friends; in fact, there has been no oversupply of any one flower this season. Valentine business was no doubt better this year than ever before, and a great many calls came in for blooming plants, tulips and daffodils in pans sold well. Funeral work was also very heavy the past week. Every florist had just about all he could well manage. This is the season for clubs, societies and annual

banquets, and many are using flowers this season that never thought of such a thing in the years gone by. One club spent \$25 for table decorations that claimed they had never before in their history spent as much as a nickel on flowers before. Things seem much brighter than at one time last fall.

CLUB MEETING.

Uncle John Temple entertained the Tri-City Florists' Club at the Outing Club last Thursday evening in grand style, and many of the boys were on hand to partake of the goodies that were furnished. The meeting was made more interesting than usual by a number of the members bringing an exhibit of the newer sorts of carnations, seedlings and other flowers of the later introductions. Nominations of officers took place, and as there are now several members running for every office on the list, a lively time will no doubt take place at the next meeting. Greenhouse construction was the evening's topic, and a number of interesting facts were brought out as to the cause of bursting iron gutters, up-

High Grade Cut Flowers

EXTRA FANCY

**Gardenias, Carnations, Valley,
Roses, Violets, Hyacinths, Sweet
Peas, Tulips, Jonquils, Greens.**

JOHN KRUCHTEN

162 N. Wabash Ave.,

CHICAGO

Ed. Winterson Co., 166 N. Wabash Ave.,
CHICAGO.

Consignments Solicited

Wholesale Cut Flowers and Green Goods

heaving by frost, etc., etc, and to the latest and improved mode of building, the advantages gained, etc. The annual banquet was also a timely topic, and it was decided to hold this event at the Outing club, Davenport, on March 28, the committee of arrangements being C. O. E. Boehm, chairman, Wm. Goos, H. Pauli, John Temple and Theo. Ewaldt. The committee will try and secure a noted speaker for the evening, and dancing and other entertainments will be provided. The committee expects to make this the grandest affair ever attempted by the society. After other routine matters were disposed of the club adjourned into the dining room, where a hot supper was in waiting, the table being elaborately decorated with spring flowers and greens. A fine surprise was sprung on ex-President Wm. Knees when the manager of the Outing club presented him with a beautiful bedroom stein, filled to overflowing with the good old Mississippi bubbles. A jolly hour was spent. It surely does one's heart good to see the good fellowship displayed among the members. Henry Gaethje extended an invitation to meet with him on March 21, which was immediately accepted. Adjournment was then in order, and a happy bunch left for their many happy homes.

NOTES.

Several members of the club will make a trip into Chicago to attend the flower show, March 12. A. Anderson will head the delegation and will try and bring a few of the boys to our annual banquet.

Henry Pauli was so pleased with his auto delivery that he has purchased another, a much larger and more expensive one.

Ludwig Stapp will add two houses, 34x300 feet, to his already large range this summer, Garland type.

Harry Bills had a bad attack of the auto fever, and in consequence has a fine auto delivery car.

Bills Floral Co. lost one of their popular clerks last week—leap year birthday last week.

Charles Hummell is figuring on building an addition, 20x85 feet, some time this year.

Garrett, the Davenport veteran florist, celebrated his eighty-fourth victim. T. E.

Connecticut Horticultural Society.

At the meeting of the Connecticut Horticultural Society held February 9, much important business was transacted, including the preliminary acceptance of a new constitution and by-laws, which will not be effective until after confirmation at a subsequent meeting. The center table was filled with beautiful blooming plants of *Primula obconica*, grown by J. A. Weber, for which he was awarded a diploma; and of *Cineraria hybrida* and two plants of *stellata*, grown by Alfred Cebelius, for which he received honorable mention; the judges being Wm. H. MacKenzie of Bristol, Francis Roulier and Alex. Cumming, Jr., of Hartford.

Paul M. Hubbard, Bristol, and Ira H. Butterfield, Hartford, were elected to membership.

A leading feature of the evening was the address of President John F. Huss concerning conifers and evergreens, and their use in landscape gardening, as well as their propagation. This is a subject on which Mr. Huss is very much "at home," he having planted many thousands of these trees in New York, Lenox, Newport, Long Branch, Philadelphia, etc. Thirty years ago he came to Hartford, and planted, before the general awakening on this subject about here, the grand conifers, hemlock hedges and rhododendrons on the grounds of Dr. G. P. Davis, on Woodland street, and similar private places. He grows at present, on the sumptuous estate of James J. Goodwin, sixty-five varieties, specimen branches of which were exhibited

on our display tables. The speaker eloquently set forth the value of this class of trees, especially for winter landscapes, when the dreariness and apparent death of the deciduous trees is so much in evidence. He paid tributes to the work of J. Wieder-mann, the noted landscape artist, who laid out our beautiful Cedar Hill cemetery, the Hartford Retreat grounds, and other important places in and around the Capital City. He also spoke appreciatively of the work being done by W. W. Hunt and C. S. Sierman, two Hartford nurserymen, in beautifying many private grounds by the growing use of various sorts of conifers or other evergreens. Concluding the lecture, Mr. Huss outlined the methods of propagation of this class of plants, mostly from seed, but sometimes from cuttings. This was the first opportunity that our members have had to be authoritatively informed on this interesting topic, and a warm vote of thanks was extended to Mr. Huss, who carried us into many parts of the world in our imaginations.

At our next meeting, February 23, we are promised an address by Walter Angus, of Chapinville, on the chrysanthemum and its culture. Mr. Angus has staged some of the finest specimens of this flower at our exhibitions, and we anticipate a valuable contribution to our stock of knowledge on the subject. GEORGE W. SMITH, Sec'y.

Detroit.

A GOOD ST. VALENTINE'S DAY.

St. Valentine's day brought an unprecedented amount of business due to the growing importance of this annual event to florists. No considerable amount of advertising was done to attract trade, but all were well prepared with a variety of attractive effects, chiefly in flowering plants, daintily fixed with ribbon, pot covers and pussy willows. Heart-shaped boxes were used to some extent for small flowers such as sweet peas, violets and lily of the valley, and added much to

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House,

66 E. Randolph Street,

CHICAGO.

Everything in Cut Flowers and Supplies.

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FOR ALL OCCASIONS.

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KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

168-165 N. Wabash Ave Chicago
L. D. Phone Central 466.

We will have anything in the line of

CUT FLOWERS and GREENS

that you may want if anybody has it, at Chicago market prices on day of shipment.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. Phones Central 1978 and 1977.

the florists' efforts to distinguish the day, and popularize the use of flowers for this occasion. The growers, too, awake to the prospective demand of the day, were well equipped with sufficient stock, to meet all requirements. The weather conditions were largely responsible for the success of the day, for it signalled the break-up of the intensely cold weather by moderating to an extent that made it unnecessary for heated delivery wagons, a factor that greatly aided the abnormal amount of deliveries of the day. Of all flowers sold, violets were easily in the lead, and the immense stock on hand, disappeared completely with the end of the day's business. Some of the stores were also deluged with funeral work, that required the force to work nearly all night to complete. Happily, however, no scarcity of flowers, except possibly roses to some extent, was felt, which fact helped considerably in making the day the conspicuous success it was.

NOTES.

The Florists' Club meeting, Monday evening, February 19, was not as well attended as the subject under consideration would amply justify, but those

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

Wholesale Flower Markets

CHICAGO, Feb. 21,		Per doz.
Roses, Beauty, specials.....		6 00
" " 36-in.....		5 00
" " 30-in.....	3 00@	4 00
" " 24-in.....		2 00
" " 20-in.....		1 50
" " 18-in.....		1 00
" " 12 in.....		75
" " Short.....		Per 100
" Killarney.....		4 00@ 6 00
" White Killarney.....		4 00@ 15 00
" Richmond.....		4 00@ 15 00
" Prince de Bulgarie.....		10 00@ 20 00
" Mrs. Aaron Ward.....		8 00@ 15 00
" My Maryland.....		4 00@ 15 00
" Perle.....		4 00@ 8 00
" Melody.....		8 00@ 15 00
" Bride.....		4 00@ 15 00
" Bridesmaid.....		4 00@ 15 00
" Uncle John.....		6 00@ 8 00
" Mrs. Jardine.....		4 00@ 10 00
" Mrs. Marshall Field.....		4 00@ 10 00
Carnations.....		2 00@ 4 00
Cattelyas..... per doz.,		4 00@ 6 00
Dendrobium Formosum.....		5 00@ 6 00
Daffodils.....		3 00
Gardenias.....		3 00@ 4 00
Lilium Harrisii..... per doz.,		2 00@ 12 00
Mignonette.....		6 00@ 8 00
Paper Whites.....		3 00
Romana.....		2 00@ 3 00
Sweet Peas.....		75@ 1 00
Freeasias.....		3 00@ 4 00
Stocks, single..... per bunch,		1 00
double.....		1 50
Tulps.....		3 00@ 4 00
Valley.....		3 00@ 4 00
Jonquils.....		3 00
Violets, Single.....		75@ 1 25
Double.....		75@ 1 00
Adiantum Croweanum.....		1 00
Beechwood..... per bunch,		25
Ferns..... per 1000,		2 00
Galax, bronze.....		1 00
green.....		1 00
Leucothoe.....		75
Mexican Ivy.....		75
Plumosa String..... each,		50@ 60
Smilax..... per doz.,		1 50@ 2 00
Sprengerii, Plumosa Spraya.....		3 00@ 4 00

present were intensely interested in the paper presented by W. N. Rudd, Morgan Park, Ill., on "Where Some of Us are Lame." The writer as we all regretted, was not present, and the paper was read by M. Bloy, and a general discussion of it followed. The importance of the subject was deemed sufficient for further discussion, which is scheduled for the next meeting March 4. Henry Rahaley and Adolph Thoman were elected to membership.
J. F. S.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

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HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.

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WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

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Percy Jones

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Zech & Mann

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Telephone, Central 3284.

Geo. Reinberg

Wholesale Florist

162 N. Wabash Avenue, CHICAGO.

Washington.

GOOD CALL FOR DECORATIONS.

The business of the past week, along the lines of decoration work, was very good. At some of the retail stores which do a large business in decorating it was said that it had been the best week of the season. There is plenty of good stock to supply all demands. It is true that occasionally a dealer has an order for something that he cannot immediately lay his hands on, but such incidents constantly occur in business and are rather a sign of providence or excessive caution in buying than of scarcity. At this time when there is much call for the very best stock in orchids and roses, there is sometimes a little inconvenience in filling a hurry order. The local supply of orchids is limited and it takes a little time to get them from New York or Philadelphia. One local firm of growers keep up a very fair supply of American Beauty roses, but first class stock of the Killarneys and Richmond is not grown in Washington or anywhere near it. This is not intended to belittle the work of the local growers; doubtless they do the best they can under existing conditions, but they cannot show the quality of bloom and stem produced by the northern growers. Thus, the prices of really first class stock may be at what would appear a high figure, while inferior grades are practically going a-begging. Just now there is great complaint about the quality of bulb stock such as tulips and jonquils. The growers say that it is not selling; the retailers say that it is no good. It is a fact that many of the tulips and jonquils are very inferior. Carnations and sweet peas are becoming quite plentiful and some stores are retailing carnations at 50 cents per dozen. Sweet peas are going very cheap. St. Valentine's day business was very good in cut flowers; nothing extraordinary, but a little above the average daily business. The cold weather has now broken, the temperature rising to 60°. A heavy rain began falling February 18.

NOTES.

J. H. Small & Sons had the decoration for the second Gridiron club dinner of the season, on the night of February 17. The decorations were elaborate, a very notable feature being a bunch of 300 American Beauty roses appropriately arranged around the "gridiron." Other features of the scheme were carried out in proportion. Among the guests at the dinner was Albert Small of New York, a member of the firm of decorators. Seen later at the store, Mr. Small was optimistic, as he always is, regarding the condition of business. Asked about recent daring robberies on the streets of New York, he was jocular and said that it was even getting unsafe for rich florists and newspaper men to walk on Broadway.

Among the many fine decorations which Geo. H. Cooke has recently executed at Rauscher's a very notable one was for the golden wedding of Mr. and Mrs. Louis P. Seibold. In receiving, Mr. and Mrs. Seibold stood under a beautiful wedding bell, in the decoration of which oncidiums, tulips and other gold shaded flowers were used. Among those present was Chas. L. Seibold of Baltimore, a nephew of the principals in the event, and well known among florists.

The Australian government has sent forty boys to this country, presumably to have them imbibe American ideas. The Chamber of Commerce of this city has taken them under its patronage while they are here. William F. Gude, an ex-president of the chamber, took six of the boys to his home and entertained them on February 18. This

—THE—

J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.
Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Wholesale Flower Markets

CINCINNATI, Feb. 21,	
Roses, Beauty.....per doz.,	1 00@ 5 00
"	Per 100
" Bride, Bridesmaid.....	3 00@ 8 00
" Killarney.....	4 00@12 00
" My Maryland.....	4 00@12 00
" Perle.....	4 00@ 6 00
" Richmond.....	4 00@12 00
Carnations.....	3 00@ 4 00
Freesias.....	3 00@ 4 00
Lilium Giganteum.....	15 00
Lily of the Valley.....	3 00@ 4 00
Narcissus.....	3 00
Jonquils.....	4 00
Sweet Peas.....	75@ 1 00
Violets, double.....	75@ 1 00
" single.....	75@ 1 00
Adiantum.....	1 00@ 1 50
Asparagus Plumosus..... per bunch,	25
Asparagus Sprenger..... per bunch,	25
St. Louis, Feb. 21,	
Roses, Beauty, medium stems.....	20 00@25 00
" " short stems.....	2 00@ 4 00
" Bride, Bridesmaid.....	3 00@ 4 00
" Killarney.....	5 00@10 00
" My Maryland.....	3 00@10 00
" White Killarney.....	5 00@10 00
Carnations.....	2 50@ 3 00
Callas.....	10 00@12 50
Easter Lilies.....	10 00
Valley.....	3 00@ 4 00
Asparagus Sprenger.....	2 00@ 3 00

band of boys also gives concerts and athletic exhibitions.

George H. Cooke and wife went to Niagara Falls on February 17 to see the winter wonders of the falls.

Leapley & Meyer have bought land and will erect greenhouses in the spring.

Alex. B. Garden is installing an electric light in his greenhouses.

A. F. F.

Cincinnati.

A LARGE ST. VALENTINE'S TRADE.

The business on St. Valentine's day was one of the largest this market has ever enjoyed. All flowers appropriate for this day cleaned up fairly well. About the only thing left over in any quantity was double violets and, considering the large number of these sold, the amount left on hand was not large. Sweet peas were cleaned up quickly and have been selling well ever since. The supply, however, has been coming in so strong that the demand can scarcely keep pace with it. The carnation supply, too, continues very strong, the white ones clean up regularly and the offerings of Enchantress are very large and have been selling nicely, but the darker shades do not move as well as the lighter ones. Roses continue on the short side of the market, but judging from the slow but steady increase in the cut they will, within the present fortnight, be in sufficient supply. American Beauties are already arriving in greater quantity and in good variety as to lengths. The supply of

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St.,
Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

THE MUNK FLORAL CO.
Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.
Columbus, Ohio

Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio
Wholesale Growers of
EASTER LILIES, Ferns and
Decorative Greens
Write for prices
Telephone West 562.

C. E. CRITCHELL
34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

FLORISTS' GREENING PINS
Saves you time, worry and money. Use them once and you will never be without them. (Sample free.) 10 lb. box (about 10,000 to 11,000 pins) \$1.50.
GEO. H. ANGERMUELLER, Wholesale Florist
1324 Pine Street, ST. LOUIS, MO.

bulbous flowers, too, is on a steady increase and includes some very choice offerings in tulips, daffodils, jonquils and hyacinths. Easter lilies are coming in much stronger and callas, too, are on an upward trend in numbers.

NOTES.

Mrs. Edwards, the proprietor of the Newport store of Edwards & Co., stole a march on her friends two weeks ago when she and 'Squire Machinot were secretly wedded. The story of the affair crept out only the latter part of last week.

Albert McCullough is cutting some very good lily of the valley at his greenhouses.

Lawrence Fritz of C. E. Critchell's was on the sick list for several days last week.

C. E. Critchell has been getting in some very nice lots of roses.

P. J. Olinger went to New Castle the early part of this week. H.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

Nassau County Horticultural Society.

The monthly meeting of the Nassau County Horticultural Society was held at Pembroke hall, Glen Cove, February 11, President J. F. Johnson in the chair. A circular was read from the New York Florists' Club requesting the appointment of two delegates to attend a conference to be held at Ithaca. After some discussion J. F. Johnson and James Duthie were appointed to attend same. Walter Mackinley was elected to active membership and there was one application. The judges appointed to examine the exhibits were J. Ingraham, J. McQueen and A. McKendrie. J. Eversole was awarded cultural certificate for a fine specimen plant of gardenia and honorable mention for a vase of gardenias. Frank Petrocia, honorable mention for two plants of Primula malacoides. The society's prizes were awarded as follows: Six gardenias, George Augey, first; 12 mushrooms, J. Everatt, first; 25 sprays of freesia, J. MacDonald, first. It was decided to have the fall chrysanthemum show on October 29-30, and that the profits for the same be given to the Nassau Hospital at Mineola, L. I.

Mrs. Townsend of Oyster Bay offers a silver cup for best collection of outdoor roses, to be won six times, the same to be competed for at the fall shows. The thanks of the society were voted Mrs. Townsend. S. Trepass and E. Brown were appointed to represent the society at the annual dinner of the Yonkers Horticultural Society. The exhibits for next meeting will be roses, cauliflowers and cinerarias.

The society held a very enjoyable eucher and dance February 15, about 200 being present. It was a great success financially and otherwise, and likely to become an annual affair.

JAMES MACDONALD, Sec'y.

Cleveland.

STOCK MORE PLENTIFUL.

With a few days of sunshine and the weather moderating considerably, stock has come in in increased quantities. Roses of all grades are more plentiful, carnations are in larger supply and bulbous stock of all kinds is very abundant. Easter lilies and callas are moving nicely, the supply, however, exceeding the demand. Sweet peas are a little short of the call. Violets, lily of the valley and adiantum are in good demand for corsage work. Every florist reports an excellent St. Valentine's business; there were not enough violets and pink roses obtainable to fill orders on this day. Greens of all kinds seem more plentiful. Some very good Jerusalem cherries are on the market for Washington's birthday at very moderate prices.

NOTES.

The Jones & Russell Co. report a good run of funeral work the past week, in addition to several large receptions which required a quantity of long-stemmed Pink Killarney and American Beauty roses.

T. Smith, of the Smith & Fetters Co., is spending a month in California with his brother, Frank.

Miss H. Getz, of Westman & Getz, has been away on a short vacation, returning the past week. C. F. B.

GUST. RUSCH & CO.



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448 Milwaukee St., Milwaukee, Wis.



A Good Place to Buy Cut Flowers,
Palms, Ferns

Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO.,
Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Feb. 21.

Roses, Beauty..per doz..	1 50@	6 00
.. Killarney ..	5 00@	12 00
.. Richmond ..	5 00@	12 00
.. White Killarney ..	5 00@	12 00
Carnations ..	2 00@	4 00
Lilium Gigantum.....	12 50@	15 00
Lily of the Valley.....	3 00@	4 00
Paper Whites.....		3 00
Snappedragons.....per bunch.	35@	75
Violets.....	75@	1 00
Adiantum.....		1 50
Asparagus.....per string.	50@	75
.. Sprengerl, per bunch.	25@	35
Ferns, Fancy.....per 1000.		2 00
Galax, green.....per 1000.		1 50
.. bronze.....per 1000.		1 50
Smilax.....per doz..		1 75
Wild Smilax.....per case.		5 00

Wichita, Kans.

St. Valentine's week was marked by good weather, a fairly plentiful supply of stock and a demand which cleaned it up fairly well. The volume of business was as good and probably a little more than last year. Violets were in heavy demand and sold out clean. Good roses next in demand and carnations holding their own was about the way the trade ran. Daffodils, lily of the valley, etc., moved nicely. Potted stock in blooming plants found good sale, especially pans of hyacinths and daffodils. A fairly steady run of funeral work has kept the trade interested and stocks are pretty well cleaned up.

NOTES.

Norval Kline of Hutchinson, Kans., formerly of Wichita, was visiting his home town this week, finishing up a couple of weeks' vacation spent in running round over the south, visiting the leading cities and their floral establishments.

Seattle Cut Flower Exchange

909 Post St., SEATTLE, WASH.

Everything in Cut Flowers, Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Howard Freeman, who has been in the store of W. H. Culp & Co. for the past two years or more, has taken a position in the office department of the Frisco railway. W. I. CHITA.

Rochester. N. Y.

CLUB MEETING.

The regular meeting of the Rochester Florists' Association was held February 12, President Dunbar presiding. The invitation from the New York Florists' Club to participate in a conference of florists' clubs to be held at Ithaca was received and Fred Vick and E. R. Fry were appointed as delegates to attend the conference and W. T. Logan and E. B. Ogstend were named as alternates. George Arnold made an address on "Perennials" and A. Edwin Crockett reviewed the "Flower Shows of 1909 and 1910." After Mr. Crockett's address a committee of ten, headed by Charles H. Vick was instructed to report at the next meeting upon the advisability of holding a show next fall. Preliminary steps were also taken toward holding a banquet.

Rooted Carnation Cuttings of Mrs. C. W. Ward and Alma Ward

\$3.50 per 100; \$30.00 per 1000. Delivery Feb. 1.

Both varieties are too well known to require any description. Most growers who bought cuttings last spring are growing them successfully. The flowers continue to be in favor with the retail trade and command the best prices.

Also almost all the Commercial Varieties on the market today.

THE LEO NIESSEN CO.,

Wholesale
Florists,

N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

Philadelphia.

AN INCREASE IN SUPPLY.

There is a perceptible increase in the quantity of stock coming in, particularly roses, the crops seeming to feel the impetus of the increased sunshine of the past few days and the cut is much larger. Some very choice Killarneys and White Killarneys are seen, all of which seem to find a market at good prices. American Beauties are more in evidence, but still very scarce. The fancy sorts such as Mrs. Taft, Melody, Prince de Bulgarie, etc., are distributed in small quantities, but are not much of a factor. Carnations appear at their best, very fine blooms of Mrs. C. W. Ward, Pink Delight, Gloriosa and other newer sorts finding a ready sale. Mrs. C. W. Ward is now the standard dark pink and Gloriosa bids fair to hold the lead as the best light or shell pink. Sweet peas are next in importance, the supply is all that can be desired, long stemmed stock in all colors being seen in abundance and the commission men say there is a growing demand with all buyers for these lovely flowers. Violets, both single and double, are now at their height and find a fair demand. The lily of the valley production being in few hands, comes into the market ordinarily about as required, any extra demand, however, caused by several large funerals, together of which of course there is little notice, causes a great scurrying at the last moment and there is at times not enough to go around. Cattleyas are plentiful and gardenias scarcer, they seeming to be off crop. Bulbous stock, particularly daffodils, are too plentiful, the best price of these is \$2 per hundred and in large quantities the price is considerably lower. All kinds of greens are scarce, adiantum is all sold before it arrives and the market cleans up every day on asparagus sprays. Mignonette sells up close as does snapdragon, which is scarce and high.

NOTES.

The plant men are keeping the stores well supplied with azaleas, rhododendrons, hyacinths and other blooming stock. At W. K. Harris' it looks like a little Easter, there is such a complete assortment on hand. All sizes and varieties of azaleas and choice rhododendrons are seen in fine flower. A feature here is the two large houses of shamrocks, over 70,000 pots, more we venture to say than is grown by all the rest of the trade in the country put together. A visitor March 20 would fall to see a pot of this stock so perfect is the system of selling and handling this novelty. The great bulk of this larger stock is grown to order for department stores who give it away to their customers and quantities are shipped out of town. Large orders are being forwarded even now to men who grow it on for their home trade.

The Leo Niessen Co. are getting quite a few American Beauties but which find a bunch of orders, always ready for the shipments before they arrive. Mr. Niessen says as he goes about their elegant new salesroom, he wonders how they did such a large business in their Arch street store, as here with twice the room, ten

Wholesale Flower Markets

PHILADELPHIA, Feb. 21.		Per 100
Roses, Beauty, extra.....	60 00	@75 00
.. first.....	30 00	@40 00
.. Brides and Maids.....	4 00	@15 00
.. Killarney.....	4 00	@15 00
.. White Killarney.....	4 00	@15 00
.. Liberty.....	4 00	@15 00
Cattleya.....	800	@12 00
Cattleyas.....	35 00	@50 00
Daffodils.....	2 00	@3 00
Gardenias.....	per doz.,	2 00 @ 3 00
Lilium Harrisii.....	10 00	@15 00
Lily of the Valley.....	3 00	@5 00
Marguerite.....	75	@1 50
Mignonette.....	3 0'	@4 00
Narcissus Paper White.....	1 50	@2 50
Snapdragons.....	8 00	@16 00
Sweet Peas.....	5 0'	@1 00
Tulips.....	2 00	@3 00
Violets, single.....	75	@1 00
.. double.....	75	@1 00
Adiantum.....	1 00	@1 50
Asparagus.....	per bunch,	50
Smilax.....	15 00	@20 00

times the light and all the other added conveniences, they are at times cramped and find their tables all occupied when getting out orders, which only goes to show how their business is growing.

Since the reform city administration came into power, there was a readvertisement for bids for planting the city squares and on the one item of privet in the revised bids made by the original bidder, there was a cut from seven to four cents per plant which made a difference in the total of \$16,000. Is it any wonder that city contractors grow financially mighty when such profits are annually handed out to be divided among the powers that be?

Wonder what there is new, down in Porto Rico, with W. K. Harris, Julius Roehrs and Robert Craig on the job? There must be something doing—a new dracena or perhaps a pandanus with thornless edges, or a lily that never shows disease, the latter would surely be a boon to the grower.

J. W. Colflesh's Sons have their work nicely systematized and a splendid stock is seen here. Azaleas are grown in quantity, cinerarias are also a feature, one large house being filled with a choice strain of these showy plants. Bulbous stock is also grown in quantity.

The S. S. Pennock-Meehan Co. say that although the business of February in the stores appears to have been rather druggy, yet they have found a market for all good stock at satisfactory prices, a good shipping demand keeping the market well balanced.

Edward Reid, whose motor is always on the job for early and late orders, finds his customers seem to appreciate the efforts he makes to get the best stock together and he has no kick coming. Choice sweet peas are one of his leaders.

Violets, both single and double, are leaders along with the Princeton rose at Berger Bros. Their business is expanding to fit the new store which grows more satisfactory to them every day.

Godfrey Aschman has a very fine lot of azaleas. Primula obconica and begonias, araucarias are as usual a fea-

ture, in fact, nowhere else can such a stock be seen. He looks forward to a large Easter trade.

Alfred Campbell is right in it with his adiantum, which is now about the scarcest thing in the market. K.

New York Notes.

H. M. Robinson & Co. are already planning to make more room in the building a part of which they now occupy. J. C. Silbert, who is the manager here, states that business has been so much larger than he expected that he has not had time to send out the announcements to the local trade as he expected to, but as this house is so centrally located and all the best dealers are all readers of the AMERICAN FLORIST and keep posted as to "Who's who," this is hardly necessary.

President Polykranus and the committee in charge of the Greek American Florists' Association ball are desirous that every one should remember the date and place, Wednesday evening, February 28, Terrace Gardens. Everybody is promised an enjoyable evening, so leave your troubles and shop and bring your wife or sweet-heart and have a dance is the request of the committee.

The approach of Lent no longer has the terrors for the commission men as in days gone by, and each year it becomes more noticeable that, with probably the exception of the first two or three days, no change is noticed and business is better if anything than it was before.

Philip F. Kessler, on the floor with the Cut Flower Exchange, has been receiving very heavy shipments of Golden Spur narcissus, one grower sending in about five thousand daily, and as the quality of these is very fine, they clean up quickly.

A. Moltz announces that almost all the available space has been taken on his floor in the Coogan building, the latest to acquire tables being Siebricht & Siebricht, John J. Perkins and James Hart.

Owing to the serious illness of a member of his family, Prof. John Craig of Cornell University, Ithaca, N. Y., will be compelled to be in town a few weeks. Y.

Boston.

We are having quite a breathing spell of milder weather, the thermometer registering 40° above. This has made quite a difference in the market, although prices are about the same, yet there is a healthier tone and the glut which was experienced last week has passed. The quality of all the stock is still good, and with milder weather we may expect an increase in the cut, and hope that the increase in the sales will be in proportion. Glass, at present, is lower than it has ever been in this section. MAC.

BRISTOL, R. I.—One of F. A. Geisler's greenhouses was destroyed by fire February 10. The damage is estimated at \$1,000, partially covered by insurance.

Young Rose Stock

FOR SALE:

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock. Write for prices.

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Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

Buffalo.

A GOOD ST. VALENTINE'S TRADE.

From the severest zero weather to almost a balmy, spring day is the change which we have had the last week. Flowers have been as plentiful as trade demanded. The funeral of an ex-mayor last week gave several of the florists orders for very choice flowers; among them was a blanket of carnations, violets and lily of the valley, the latter flowers as a center. Valentine's day was good in every way for the florists who prepared for it. Each year the demand for flowers increases due to the energetic florists calling attention to the fact that flowers are a fit and proper thing to send to mother, wife or sweetheart, and this year was no exception, sales being, I think, larger than last year. It is not the box of cut flowers to the wife or the corsage to the sweetheart alone but the plant artistically trimmed or in a basket with proper lining that is a lasting gift to mother, sister, wife or sweetheart. Why should the hand painted valentine have a preference over nature in flowers when properly arranged? And to increase the sale it is up to the wide awake florist to let the people know what they can get, and it is surprising how the unthinking respond to the gentle reminder that Valentine's day is a good time to send flowers to anyone.

CLUB MEETING.

The last meeting of the Florists' Club was very interesting, the paper of F. C. W. Brown on "Salesmanship" was very instructive, more particularly to those in the retail trade, while the paper of President McClure on cypads was equally interesting to the greenhouseman and also gave the one with a store and greenhouse combined an idea of what can be done with plants planted in a greenhouse that will give effect and not in any way injure the plants. A visit by more florists, both greenhouse and store man, might be profitable, even if they think they know it all, they may get one idea at the meeting about arranging the plant in the greenhouse or the cut flowers in the store. A few hours once a month is not a loss if you get only one idea. The nominations for the officers for the ensuing year were made as follows: For president, Wm. Legg, W. H. Grever; for vice-president, F. C. W. Brown, Edward Stroh; for treasurer, Joseph Streit; for secretary, E. D. Savage; for financial secretary, Charles Sandiford; nominations were also made for trustees and all are eligible excepting those nominated for other offices. The communication from the New York Florists' Club was received and the secretary instructed to answer it, signifying the co-operation of the Buffalo club in forming a state organization, also the arranging of a committee from Buffalo to meet at the place designated for organization. The report of the committee for flower shows will be made at the annual meeting which will be held on the first Tuesday in March. The election of officers, banquet and a good paper will be the features. Should any grower have any flowers that he would like inspected by the craft he can send them to W. F. Kasting Co., 385 Ellicott street, where they will receive proper care and be exhibited that evening.

Wholesale Flower Markets

BUFFALO, Feb. 21.		Par doz.
Roses, Beauty, special.....		6 00
" " fancy		4 00
" " extra		3 00
" " No. 1.....		2 00
" " No. 2.....		50@ 1 00
Per 100		
Bon Silene.....		3 00@ 4 00
Perle		5 00@ 8 00
Maid and Bride		5 00@ 8 00
Pink Killarney.....		6 00@15 00
White Killarney.....		6 00@12 00
Richmond.....		6 00@15 00
My Maryland		5 00@12 00
Carnations.....		2 00@ 3 00
Callas.....		10 00@12 00
Cattleyas.....		30 00@50 00
Daffodils.....		2 00@ 3 00
Gardenias.....		15 00@25 00
Daffodils, Single.....		2 00@ 3 00
Lilium Longiflorum.....		10 00@12 00
Lily of the Valley.....		3 00@ 5 00
Mignonette		2 00@ 3 00
Narcissus Paper White		2 00@ 3 00
Romans		2 00@ 3 00
Sweet Peas.....		50@ 1 00
Tulips, Yellow and White		4 00
Violets		40@ 60
Adiantum Crowsanum.....		75@ 1 50
Asparagus, per bunch.....	35@	50
Asparagus Sprengerii.....	35@	50

PITTSBURG, Feb. 21.		Per 100.
Roses, Beauty, special.....	30 00@	40 00
" " extra	15 00@	25 00
" " No. 1.....		10 00
" Bride, Bridesmaid.....	3 00@	8 00
" Chatenay.....	3 00@	8 00
" Killarney.....	3 00@	8 00
" My Maryland.....	3 00@	8 00
" Richmond.....	3 00@	8 00
Carnations.....	3 00@	4 00
Cattleyas.....		50 00
Lilium Longiflorum.....	10 00@	12 00
Lily of the Valley.....		4 00
Oncidiums.....	3 00@	4 00
Sweet Peas.....	50@	1 00
Violets, single.....	35 @	50
" double.....		75
Adiantum.....		1 00
Asparagus Sprengerii, per bunch.....	35	
sprays.....per bunch.....	35	

BOSTON, Feb. 21.		Per 100
Roses, Beauty, best.....	25 00@	60 00
" " madlum.....	15 00@	20 00
" " colle.....	2 00@	4 00
" Bride, Bridesmaid.....	2 00@	6 00
" " Extra.....	6 00@	12 00
" Killarney and Richmond.....	4 00@	20 00
" My Maryland.....	4 00@	20 00
" Carnot.....	6 00@	12 00
Carnations, select.....	2 00@	3 00
Callas.....	8 00@	12 00
Cattleyas.....	35 00@	50 00
Gardenias.....	20 00@	25 00
Lilium Longiflorum.....	8 00@	12 00
Lily of the Valley.....	2 00@	4 00
Narcissus, yellow.....	1 00@	3 00
" white.....	1 00@	3 00
Sweet Peas.....	50@	1 00
Smiley.....	12 00@	16 00

NOTES.

Lincoln's birthday is not looked upon as a busy day with the florists. This year proved the exception at least to one. He telephoned to the store and the only audible words which were heard was "Hi, there! It is a girl!" The members of the club extend congratulations to Mr. and Mrs. Savage on the arrival of an American girl on Lincoln's birthday. "London, England, papers please copy." BISON.

Pittsburg.

ROSES STILL SCARCE.

Although we are getting the benefit of but very little sunshine, some carnations are more than plentiful, and once again is seen the familiar Saturday night fakir handing them out. American Beauties and other roses are still very shy. There are plenty of all kinds



Roses, Carnations and all kinds of Seasonable Flowers in Stock.

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Best on the Market

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Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty. Mention the American Florist when writing

of bulbs excepting lilies. St. Valentine's day caused a very heavy call for violets, lily of the valley, sweet peas and roses, but carnations were not specially noticed.

NOTES.

Randolph & McClements were the victims of a slick fellow who leaves an order and says "Send change for a ten-dollar bill."

The Ziegler Co. changed the location of their Highland avenue store to the corner of Penn and Center avenues.

The Pittsburg Cut Flower Co. has installed a new "Mack truck" to haul their flowers from the greenhouses.

The new rose Hilda has been making many friends the last two weeks at The McCallum Co. J.

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Our New Store, 46 West 26th St, New York City, is now open with a full line of Cut Flowers from the very best growers. Our specialties are: **ROSES**, Aaron Wards, Waddells, Tafts, Cardinals, Killarneys, Marylands, Richmonds and Beauties. **CARNATIONS**, All Standard Varieties; **Jonquills, Narcissus, Paper Whites, Hyacinths, Valley, Violets, Orchids, Gardenias, Easter and Calla Lilies**. We are in an excellent position to fill orders at a moment's notice. Our motto is: "A square deal to both retailer and grower." Our shipping facilities are unsurpassed, as we make a specialty of shipping flowers to all parts of United States and Canada. We strive to please. A trial order will convince you.

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HENRY M. ROBINSON & CO.

Wholesale Commission Florists, Dealers in Hardy Cut Evergreens,
Importers and Manufacturers of Florist Supplies,

46 West 26th St., New York City

New York.

CONDITIONS IMPROVING.

Market conditions, while still very unfavorable, are not as bad as last week. Weather conditions have been much more favorable, permitting the dealers to clear out to the street men the great quantity of carnations, violets and bulbous stock which had been accumulating for a week or ten days. Roses have done decidedly better and there has been an increase in the call for lily of the valley and lilies. Smilax and asparagus are also moving better. Taken altogether, the market is in much healthier condition, though the advance in prices has not been marked. As usual the top grade of Mme. Chatenay, Richmond, Mrs. Aaron Ward, Mrs. Taft, My Maryland and the finer quality of Killarney are quickly disposed of. There is still only a limited supply of yellow roses in the market. American Beauties have continued to advance in price, but the supply is limited; that is, the supply of good blooms that will be handled by the retailers who are willing to pay a good price to secure good flowers. All kinds of prices prevail on carnations, but outside of the regular orders, which use up only a small percentage of the receipts, the average prices obtained are very low. Orchids are still plentiful, but the prices have a downward tendency. There is probably an exception with *Dendrobium formosum*, for which there has been a heavy call. Gardenias are doing better, and those fortunate enough to have good quality flowers of these have no difficulty in finding a ready market for them. In bulbous flowers the yellow tulips, Golden Spur and Von Sion narcissus have done slightly better. Sweet peas as a general rule are not of as good quality as they have been, or the better quality are not so much in evidence, but as with everything else the shipments of short-stemmed, poor colored flowers are moved with difficulty. Freesia is coming in in large quantities, but meets with only fair sale. Violets are clearing out, but at exceptionally low prices. Lilac, mignonette, callas, adiantum and daisies are in sufficient supply to satisfy all demands.

February 19—The weather is all that can be desired and sales are very heavy, but there are no changes in quotations.

NOTES.

The annual dinner of the Greater New York Florists' Association took place Thursday, February 15, and was largely attended. In the absence of D. Y. Mellis, the president of the society, who was taken ill earlier in the day, Hugo Jahn welcomed the guests and acted as toastmaster. Mr. Jahn was at his best and it is quite evident

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it was not his first attempt as toastmaster. After the dinner the tables were removed and dancing was indulged in. There were a great many visitors, including Frederick Marquardt, president of the New Jersey and New York Plant Growers' Association, and President Joseph A. Manda, of the New York Florists' Club. Short addresses were made by Joseph A. Manda, A. L. Miller, J. H. Pepper, J. A. Shaw, A. J. Guttman, George Crawbuck, Charles Weber, John Young and others. The evening was a most pleasant one and a success in every way.

Alex. McConnell had the order Wednesday for the decorations for the wedding of the daughter of James B. Regan of the Hotel Knickerbocker. The wedding was held in the Cathedral and was the first marriage performed by His Eminence Cardinal Farley since his elevation. The decorations were on a most elaborate and generous scale, and thousands upon thousands of long-stemmed pink roses and lilies were used, the pink roses being mostly Killarneys. This was probably one of the largest orders of the season and was carried out in Mr. McConnell's usual good style. This order only gives an idea of the vast quantity of stock in this market. Andrew Scott, the buyer for Mr. McConnell, obtained all this stock in the open market, and yet it seemed to hardly make an impression on the visible supply.

By acquiring the large range of greenhouses of 85,000 square feet of glass at Bedford Hills, N. Y., Moore, Hentz & Nash will have a very valuable acquisition another year to their already very extensive business, and if the same quality of flowers are produced by Henry Hentz, Jr., who will have the direction of the plant, as he produces on his place in Madison, N. J., the wisdom of this purchase will readily be seen.

The condition of Charles Millang, who is in the Flushing Hospital, Long Island, suffering from a very serious automobile accident, is reported as being much improved, and his friends are anxiously awaiting his return to his business, where his cheerful disposition and entertaining ways have been greatly missed. Mr. Millang's business is being conducted by a very efficient force during his enforced absence.

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75c per 100. Best Stock.

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J. VONDER LINDEN,
Rhinebeck, N. Y.

It is surprising the great interest that is being manifested in the annual dinner and twenty-fifth anniversary of the New York Florists' Club, with the affair over a month off. Secretary Charles Schenck of the dinner committee announces that fifty applications for tickets have been received.

Wallace R. Pierson of Cromwell, Conn., was a visitor during the week, returning from his visit to E. Towell, Hillside, Pa., of whom he purchased the entire stock of Mr. Towell's new red rose. As Mr. Pierson's judgment is very keen in matters of this kind, this rose must be a good one.

Already the store and greenhouses of Wm. A. Kessler have the appearance of Easter, being well stocked up with a fine display of azaleas, marguerites, Dutch hyacinths, lilacs and lilies in pots. This house also handles small ferns in flats and pots by the hundreds of thousands.

Schedules of the coming National Flower Show are being sent out as rapidly as possible by Charles H. Totty, chairman, and John Young, secretary of the National Flower Show committee, and should be in the hands of all possible exhibitors this week.

M. C. Ford, 121 West Twenty-eighth street, in addition to the fine supply of carnations grown by Henry Hession, is receiving a fine line of roses, the American Beauties and My Marylands being especially fine.

Harry A. Bunyard covered himself with glory as toastmaster at the recent dinner of the Yonkers Horticultural Society.

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" " extra and fancy.....	15 00@	40 00
" " No. 1 and No. 2.....	4 00@	6 00
" " Bride, Bridemaid, special.	6 00@	8 00
" " extra and fancy.....	4 00@	6 00
" " No. 1 and No. 2.....	1 00@	2 00
" " Killarney, My Maryland..	8 00@	12 00
" " extra and fancy.....	6 00@	8 00
" " No. 1 and No. 2.....	1 00@	2 00
" " Richmond.....	3 00@	12 00
Carnations.....	1 00@	3 00
Cattleyas.....	40 00@	50 00
D. Formosum.....	25 00@	40 00
Freesias.....	1 00@	1 25
Gardenias.....	10 00@	40 00
Lilies, Longiform and Harrisil..	8 00@	10 00
Lily of the Valley.....	2 00@	4 00
Oncidiums.....	5 00@	10 00
Sweet Peas.. per doz, bunches,	1 00@	1 25
Violets.....	20@	60
Adiantum Croweanum.....	75@	1 00

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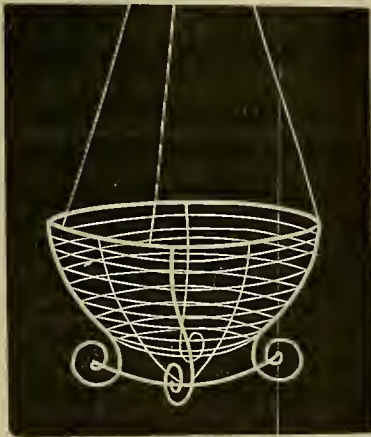
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NEW YORK, LONG ISLAND and NEW JERSEY.

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200,000 Square Feet of Glass.

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440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
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ALPHA FLORAL CO.

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823 Walnut St., Des Moines, Ia.

Orders filled promptly on short notice and deliv-
ered to all parts of the middle west and west.

Mention the American Florist when writing

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Telephone
334 Main**S. MASUR**

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Mail, Telephone and Telegraph orders filled
promptly for all occasions.

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A. LANGE,

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212 West Fourth Street.

Cut flowers and design work of the highest class
delivered to your customers here or anywhere in
the west, mail or wire. Usual Trade Discount.

Mention the American Florist when writing

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the
city, has the best facilities for promptly filling any
orders for city or delivery to steamer.

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J. B. BOLAND

Successor to Sievers & Boland

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60 KEARNEY STREET.

Mention the American Florist when writing

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The Most Central Location in City.

F. H. WEBER,

Boyle and Maryland Aves.
CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either
Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

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MYER, FLORIST 609-611 Madison Ave.
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H. W. Buckbee**Alexander McConnell,**
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TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

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WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

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Telephone 2085-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of **NEW YORK**
And give special attention to steamer and Theater
orders. Prompt deliveries and best
stock in the market.

Mention the American Florist when writing

Dallas, Texas.

**The Texas Seed and
Floral Company**

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street

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St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs
Pleasant Hill, Mo. Wedding and Birthday Gifts
that may entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Detroit, Mich.

John Breitmeyer's Sons
Corner Miami and Gratiot Avenues.

**Artistic Designs.
High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members of Florists' Telegraph Delivery
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**WASHINGTON
D. C.**

Gude's

Members Florists' Telegraph Delivery.

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Samuel Murray,
913 Grand Avenue.
All Orders Given Prompt and Careful Attention
Member of the Florists' Telegraph Delivery.
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Mrs. J. B. Freeman
(Successor to Geo. A. Heint)
336 Superior St., Toledo, O.
Both Phones, 527.

Special attention to Mail and Telegraph Orders.

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**F. Walker & Co.,
FLORISTS.**
Phones: Home 1388, Cumb. Main 1388 A.
.....634 Fourth Avenue.

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**
..... 241 Massachusetts Ave.
Members of the Florists' Telegraph Delivery.

Eine absolute Nothwendigkeit!

Hiermit \$1.00 für mein Abonnement. Es ist die Pflicht eines Jeden prompt für den „American Florist“ zu bezahlen, weil dieser eine absolute Nothwendigkeit für jeden Blumenzüchter ist.

Carl Roegner, Alabama.

Boston, Mass.



"Penn, The Telegraph Florist",
Members of Florists' Telegraph
Delivery Ass'n.
37-43 BROMFIELD STREET.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,
20-22-24 West Fifth Street.
We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.
Members Florists' Telegraph Delivery.
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Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any town in

Missouri, Kansas or Oklahoma
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Colorado Springs, Colo.

FRANK F. CRUMP,
Wholesale and Retail Florist.
Member Florists' Telegraph Delivery Association
Please mention the American Florist when writing.

TACOMA, WASH.—E. R. Roberts, the well-known florist and landscape gardener, will devote three days of the week to giving instruction to the people of the city on pruning, planting and fertilization of plants, trees and shrubs and beautifying their homes without cost, the Tacoma News and Ledger having employed him for the benefit of the public.

ITHACA, N. Y.—The fifth annual meeting of the New York State College of Agriculture of those interested in agriculture in the state was held February 19-24. Among the three hundred lectures and demonstrations the following floricultural subjects were included: "The Propagation and Care of House Plants," Lua A. Minns; "Greenhouse Construction," W. R. Cobb; "Greenhouse Construction and Heating," R. O. King; "Handling Garden Plants," G. M. Cash; "Filling Window Boxes," C. E. Hunn; "Opportunities in Floriculture for Men and Women," A. C. Beal; "The Aster and Its Culture," George Arnold; "Flowers as Field Crops," I. S. Hendrickson; "The Gladiolus as a Special Crop," Arthur Cowee.

New York.

Established 1874.

DARDS

**N. E. Corner 44th St.
and Madison Ave.**

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.
Members Florists' Telegraph Association.
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Terre Haute, Ind.

John G. Heintl & Son,
129 South Seventh St.
Telephone 247
We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.
Mention the American Florist when writing

Denver, Colo.

**The Park
Floral Co.**

J. A. VALENTINE,
President.
Members Florists' Telegraph Delivery.
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Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,
Greenhouses
Graoville, O., Phone 26. Auto. Phone 1840
Member of Florists' Telegraph Delivery.
Mention the American Florist when writing

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**
25 Clinton Avenue, N.
Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Louisville, Ky.

JACOB SCHULZ,
Members Florists' Telegraph Delivery.
550 So. Fourth Avenue.
Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M. C. Rowe

IN THE HEART OF NEW YORK CITY.
Phone 6404 Madison Sq. 12 West 33d St
Our Motto—THE GOLDEN RULE.

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dia. Phones.

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

Montreal.

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

Mention the American Florist when writing

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

City Index to Retail Florists
Filling Telegraph Orders.

Albany, N. Y.—Eyres, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Maaur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Geo. Witthold Co., 737 Buckingham Pl.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank E. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 241 Mass. St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
London, Eng.—Willa & Segar.
Los Angeles, Calif.—Freeman-Lewis.
Los Angeles, Calif.—O. C. Saakea.
Los Angeles, Calif.—Wolfskill Bros. and Morris Goldenson.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Newark, Ohio—Chas. A. Duerr.
Nashville, Tenn.—Geny Brod.
Nashville, Tenn.—Joy Floral Co.
New York—M. A. Bove.
New York—D. Clarke's Sons, 2139 Broadway.
New York—Darda, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charlea Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentine, 153 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis, Mo.—F. H. Weber.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Hehl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. O. Shaffer, 14th and 1 Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephone: 1552-1553 Columbus Choice Cut Flower's

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists Trade discount.
215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

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Phone 2416 Main.

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Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President;
Marshall H. Duryea, New York, First Vice-
President; Edgar Gregory, Marblehead,
Mass., Second Vice-President; C. E. Kendel,
Cleveland, Ohio, Secretary and Treasurer.
Next annual convention at Chicago, June
25-27, 1912.

BUSH LIMA beans are scarce, many of the canners planting them instead of peas.

SUCCEEDING some days of springlike weather, a blizzard raged in Chicago February 21.

VISITED CHICAGO: C. W. Scott and F. H. Henry, New York; S. S. Skidelsky, Philadelphia, Pa.

CALIFORNIA bean growers have withdrawn prices on contracts owing to the continued dry weather.

CHICAGO.—Prices on the Board of Trade, February 21, for grass seed were noted as follows: Timothy, \$12 to \$15 per 100 pounds.

ALFRED J. BROWN, of Grand Rapids, Mich., who has been visiting Fred T. Barteldes, at Lawrence, Kans., returned to his home this week.

FLORIDA bean growers have had the poorest season in 10 years and its effect on the planting acreage for the coming season can not be estimated easily.

NEW YORK—William E. Marshall has returned from an extended business trip to the far west. He is so pleased with the results that he will make this a semi-annual affair.

HAVANA CUBA.—The firm of Alberto R. Langwith y Ca., seedsmen and plantmen, consisting at the present time of the brothers Alberto R. and John Henry, was founded by their father, John Langwith, about 1850. The latter was an Englishman, his wife an American. They have the leading garden and flower seed store in the city and in the heart of the best retail shopping district, 66 Obispo street. Alberto is not in the best of health and will go to Europe via New York in March to spend eight months in France and England. On August 30, 1911, Alberto drew, on lottery ticket No. 2334, the full capital prize (Cuban National Lottery) of \$100,000. A little windfall like this seems even better for a seedsman than a big fire at the end of the season.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

THE comparatively mild weather of the past few days has given a lively spurt to counter and mail trade.

P. K. NOTT, son of the originator of Nott's Excelsior pea and formerly of Rochester and Troy, N. Y., is now with Vaughan's Seed Store, Chicago.

JACKSONVILLE, FLA.—Martin & Co. have a good McFarland retail catalogue and do quite a jobbing trade as well.—L. Cameron, an old time plantsman, has a good seed business.

BIRMINGHAM, ALA.—This week incorporation papers were filed for the McVay Seed Co., with the following officers: J. B. Dolsen, president; John L. Parker, vice-president; Mrs. C. E. McVay, secretary and treasurer. The capital stock is \$10,000. Mr. Dolsen is a brother-in-law of G. B. McVay and Mrs. C. E. McVay is his wife. John L. Parker is a prominent druggist here. It is given out that the new seed company will embark in the retail seed business. The G. B. McVay Co., which started last May in the produce business, is in bankruptcy, liabilities \$11,000 and assets \$6,000. The First National Bank is a creditor for \$6,000. Failure is attributed to adverse speculation in cotton. A receiver is in charge.

Inspection and Quarantine Bills.

A copy of bill H. R. 18,000, introduced in the national house of representatives, January 15, 1912, by Representative Simmons, to regulate the importation and interstate transportation of nursery stock and the establishing and maintaining of quarantine districts for plant diseases and insect pests will be found on page 235 of this issue.

It will be seen on comparing this with the bill drafted by W. P. Stark and Prof. S. J. Hunter of the Western Association of Nurserymen, which appeared in THE AMERICAN FLORIST, issue of February 10, that it differs in many radical ways: The Federal Horticultural Commission is differently constituted; the United States and its possessions are included; instead of state or territorial officials, agents of the commission are to be advised and have control; the term "nursery stock" does not include "vegetable and flower seeds, bedding plants and other soft-wooded herbaceous plants, bulbs or roots," and the appropriation for the purpose of the act is materially increased.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

Baltimore.

END OF THE SOCIAL SEASON.

The cold weather still holds its grip upon city and country and snow and ice are piled high around us, but the bright sunshine of the past week has helped the roses—which had felt the effects of the excessive cold spell. The fires in the greenhouse boilers, which are usually banked during the day and especially in the sunny days of February, have been kept going full blast with the exception of an hour or so on some bright days. The coal bills in consequence are larger this year than usual. Carnations are plentiful and are selling well. Roses are not in such good supply and the demand is good and the prices are fair. The spring flowers are selling well, jonquils, sweet peas, narcissus, etc., are used for table decorations, teas and receptions. The social season closed Monday with the Monday German which was a large affair and many flowers were used by the debutantes and in the decorations. Lent was ushered in Wednesday, February 21, and a decline in floral decorations, weddings, etc., until Easter is probable. There was a good sale of violets and flowers generally on St. Valentine's day, many boxes of fragrant blooms in heart shapes and fancy baskets being delivered.

NOTES.

The Gardeners' and Florists' Club held its regular meeting February 12 with a very large attendance. Several speakers representing the Civic League read papers on beautifying the city for the great convention which will be held in June. The ladies of the club who assisted at the S. A. F. convention last August were present, and by request of the president were asked to assist in making the twenty-fifth anniversary of the club, which occurs on March 11, a red letter day. A large banquet will be held at Mt. Holly Inn and everything in the way of amusement and entertainment, not to speak of the good things that appeal to the appetite, will be furnished.

Stevenson Bros.' new house of Killarney and White Killarney roses is looking very fine, and is just coming into crop.

Lehr & Fritze of Catonsville have a fine lot of Richmond and Killarney roses, though a little off crop just now.

Mrs. Fred Burger is fully recovered from her illness and out among her friends again.

B.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.





Early Frame.

grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

FREMONT. - - - NEBRASKA

Mention the American Florist when writing.

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Mention the American Florist when writing

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

THE G. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

TEL

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown.

of pre- en quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$4.00. 5000 seeds at \$3.75 per 1000.

Vaughan's Seed Store,
CHICAGO. NEW YORK.

ASPARAGUS PLUMOSUS NANUS

VAUGHAN'S SEED STORE
CHICAGO NEW YORK

Japanese Genuine Lily Bulbs.

We book orders now. Don't miss it. The stock we offer is grown for American trade and strictly choice, high-grade. Write for price list for 1912. Specialists in all kinds of Japanese Lily Bulbs.

S. MIYAKE & CO., 1020 Main St., SEATTLE, WASH.

TESTING

E Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts.
D Booklet free. Send samples of THE SEED TRADE REPORTING BUREAU
Postal Telegraph Bu d n CHICAGO.

Asparagus Plumosus Plants

2½-in. \$3.00 per 100: \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building. PHILADELPHIA, PA.

Mention the American Florist when writing

—FOR—
SEEDS
OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England.

Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

Surplus Stocks of

L. Multiflorums, 7-9 in.

—Write for Prices—

YOKOHAMA NURSERY CO.

31 Barclay St., NEW YORK

Mention the American Florist when writing

FANCY RECLEANED HAND PICKED

Onion Sets

Prime Recleaned Yellow Sets, \$1.35 bu.
Choice Recleaned Yellow Sets, \$1.50 bu.

Fancy Seived through ¾ inch mesh, \$1.75 bu.

Prime Recleaned Silver Skin, \$1.50 bu.
Choice Recleaned Silver Skin, \$1.75 bu.

Fancy Seived through ¾ in. mesh, \$2.00 bu.

We reclean and hand pick all Sets before shipping. A trial order will convince you of the superior quality of our Sets.

J. Bolgiano & Son

Almost 100 Years' Established Trade
Wholesale Seedsmen,
BALTIMORE, MD.

Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

GLADIOLUS

MRS. FRANCIS KING



MRS. FRANCIS KING.

Per 1000
 First Size, 1 1-2-inch and up.....\$20.00
 Medium Bulbs, all blooming size..... 17.00

America, 1st Size.....\$32.50
 2nd Size..... 27.50

Augusta, Shakespeare, Princeps
 and Highest Grade Mixtures.

Splendid Strong Bulbs in Quantity
for Forcing. Write for Prices.

BOOK FOR FLORISTS. WRITE NOW
 if not received.

Vaughan's Seed Store,
 CHICAGO. NEW YORK.

GET QUOTATIONS FROM
LANDRETH
 SEEDS which SUCCEED
 Bloomsdale Farm. **Bristol, Pa.**

CURRIER BULB CO.
 Wholesale Growers of
Bulbs and Plants
 SEABRIGHT, CAL.
 Gladiolus and Calla Lilies a specialty. Large stock of American Gladiolus.

H. WREDE,
 LUNEBURG, GERMANY
PANSY SEED
 178 First Prizes, the highest awards
 Chicago, Paris, London, Bruxelles.
 1000 seeds, finest mixed....25c
 1 oz.\$2.25
 Price list on application. Cash with order.

IF IT IS
Water Melon and
Musk Melon Seeds
 Get them from
J. FRANK CORRY,
 Contract Grower, ENID, OKLAHOMA.
 Complete Delivery by Oct. 15, 1912.

S. M. Isbell & Co.,
 Jackson, Mich.
CONTRACT SEED GROWERS,
 Bean, Cucumber, Tomato, Pea, Muskmelon,
 Squash, Watermelon, Radish, Sweet Corn.
 Correspondence solicited.

Contract Seed Grower
SPECIALTIES: Pepper, Egg Plant,
 Tomato, Vine Seed and Field Corn.
EDGAR F. HURFF, Mullica Hill, New Jersey
 Correspondence Solicited.

TOMATO SEED
 Best Stocks. All Varieties.
THE HAVEN SEED CO.
 Growers for the Wholesale Trade Only,
SANTA ANA, CALIFORNIA.

Onion Seed===Onion Sets
 We Are Extensive Growers and Dealers.
 Write for prices on the 1911 crop.
 We are also submitting contract figures for
 the 1912 crop of Onion Seed.
SCHILDER BROS., Chillicothe, O.

GLADIOLI
 Mrs. Francis King,
 Mrs. Beecher,
 Augusta, Lizzie,
 Neginscott, Etc.

Lilies, Summer Flowering
 Bulbs and Hardy Plants
E. S. MILLER, Wading River, N. Y.

Henry Fish Seed Co.
Bean Growers
 For the Wholesale Seed Trade.
CARPINTERIA, CALIF.

ROUTZAHN SEED CO.
 Arroyo Grande, Calif.
 Sweet Pea and Nasturtium Specialists
 Wholesale Growers of full list of
FLOWER and GARDEN SEEDS

Boddingtons Quality Cannas.

Are true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick. The Canna crop this year, however, is very short, and we advise placing orders early to secure stock. Delivery can be made at purchaser's option.

Red-flowering, Green Foliage Cannas

	Per 100	Per 1,000
Louisiana, 7 ft	\$2.25	\$17.50
A. Bouvier, 5 ft.....	1.75	15.00
Alice Roosevelt, 4 ft.....	3.75	35.00
Beaute Poitevine, 3½ ft.....	2.75	25.00
Black Prince, 3 to 4 ft.....	2.75	25.00
Charles Henderson, 4 ft.....	2.00	17.50
Crimson Bedder, 3 ft.....	2.25	20.00
Duke of Marlboro, 4½ ft.....	2.00	17.50
J. D. Eisele, 5 ft.....	2.25	20.00
Explorateur Crampbell, 5½ ft....	2.00	17.50
President Cleveland, 3 ft.....	2.25	20.00
President McKinley, 2½ to 3 ft....	2.25	17.50
President Meyer, 4 ft.....	3.50	30.00
Pillar of Fire, 6 or 7 ft.....	2.25	20.00
Tarrytown, 3½ ft.....;	2.25	20.00

Pink-flowering Cannas

	Per 100	Per 1,000
L. Patry, 4½ ft.....	\$2.25	\$17.50
Louise, 5 ft.....	2.25	17.50
Mlle. Berat, 4½ ft.....	1.75	15.00
Venus, 3½ ft.....	4.25	40.00

White and Cream Shades

	Per 100	Per 1,000
Alsace, 3½ ft.....	\$1.75	\$15.00

Orchid-flowering Cannas

	Per 100	Per 1,000
Allemannia, 4 to 5 ft.....	\$1.75	\$15.00
Austria, 5 ft.....	1.75	15.00
Indiana, 3 to 4 ft.....	2.00	17.50
Italia, 4½ ft.....	1.75	15.00
Philadelphia, 5 ft.....	2.75	25.00

Orange Shades

	Per 100	Per 1,000
Wyoming, 7 ft.....	\$2.25	\$20.00
Pennsylvania, 5 ft.....	1.75	15.00
Mrs. Kate Gray, 6 ft.....	1.75	15.00

Red, Gold-edged; Spotted and Yellow Cannas

	Per 100	Per 1,000
Duke of York, 4 to 5 ft.....	\$5.50	\$55.00
Evolution	2.75	25.00
Gladiator, 4 ft.....	2.75	25.00
Gladio-Flora, 3½ ft.....	5.50	50.00
Golden King, 5 ft.....	2.75	25.00
Jean Tissot, 5 ft.....	2.25	20.00
Niagara, 3 ft.....	2.75	25.00
Mad. Crozy, 5½ ft.....	2.75	25.00
Queen Charlotte, 3½ ft.....	3.75	35.00
Premier, 2½ ft.....	3.75	35.00
Souv. de A. Crozy, 4 ft.....	2.75	25.00

Yellow Shades

	Per 100	Per 1,000
Buttercup, 3½ ft.....	\$2.75	\$25.00
Florence Vaughan, 5 ft.....	2.25	20.00
Richard Wallace, 4½ ft.....	2.75	25.00

Bronze-leaved, Red-flowering Cannas

	Per 100	Per 1,000
Brandywine, 4 to 5 ft.....	\$2.75	\$25.00
David Harum, 3½ ft.....	2.75	25.00
Egandale, 4 ft.....	2.00	17.50
King Humbert, 4 ft.....	4.00	
Leonard Vaughan, 4½ ft.....	2.75	25.00
Musafolia, 3 to 5 ft.....	2.25	20.00
Robusta, 6 to 8 ft.....	2.00	17.50
Shenandoah, 6 ft.....	2.00	17.50

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business.

Our Cannas are true to name — two and three, sometimes four eyes — are sound, dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at a thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Write for special prices for quantities.

If any Cannas are not found here, it may be understood that they are superseded by the foregoing. If selection is left to us, we will substitute or send only the best for all purposes.

All the Above Cannas Sold F. O. B. New York or Chicago.

Chicago and Western Agents for Our Cannas, ONLY:

WINTERSON'S SEED STORE, 166 North Wabash Ave., Chicago.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street, NEW YORK CITY.

VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries and Export Trade.

HILLEGOM, HOLLAND,

Wholesale growers of the leading sorts of Hyacinths, Tulips, Narcissus, Crocus, Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, Mr. G. HYLKEMA, care of Messrs. Maltus & Ware, 14 Stone St., New York, for Catalogue and Special prices of all

HOLLAND BULBS AND PLANTS.

GLADIOLI

Groff's Hybrids

and all the best named sorts. My Gladioli took first premiums at Iowa State Fair in 1911. Write for prices.

Independence, Scarsdale, New Blue Hybrids.

GEO. S. WOODRUFF
Box F, Independence, Iowa.

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
1876 Milwaukee Ave., CHICAGO

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GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

S. D. WOODRUFF & SONS,

ORANGE, CONN. NEW YORK CITY.

Seed Growers and Importers.

Specialties: Beet, Carrot, Sweet Corn, Peas, Beans, Onion Sets and Seed Potatoes. Catalogue free. Quick freight shipments from New York, via rail or steamer to all parts of the U. S.

CHOICE

German Flower Seeds

Catalogue free on application.

FREDERICK ROEMER,

Seed Grower, QUEDLINBURG, GERMANY

BULBS! BULBS! BULBS!

Send for 1912 Catalog, and get your Bulbs direct from grower (not merchant).

. M. J. GULDEMOND,

Wholesale Bulb Grower and Exporter, Lisse, Holland

Alternantheras.....

Strong, well rooted cuttings, the kind that will please you.

P. Major, red.....50c per 100; \$4.00 per 1000
A. Nana, yellow.....50c per 100; 4.00 per 1000
Brilliantissima.....60c per 100; 5.00 per 1000

J. W. DAVIS, 225 W. 16th Street, Davenport, Iowa.

Gladiolus

We control the originator's stock of

THE NEW TYPE

KUNDERDI "GLORY"

WITH "RUFFLED" PETALS

The broadly expanded, wide open flowers, paired by twos, all face in the same direction, and are carried on straight stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted.

The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petal, the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the country over.

Special prices, with free cuts, for catalogue use.
Per 100, \$7.50. Per 1000, \$70.00

We carry large stocks of

America, Mrs. Francis King, Augusta, Princeps

Vaughan's Book for Florists

The Spring Edition is ready. Ask for it. Don't buy without its figures. They talk!

Vaughan's Seed Store, CHICAGO and NEW YORK.



GLADIOLUS GLORY.

Mention the American Florist when writing

CHRYSANTHEMUMS

A Pink Garza (Mary Colladay)

A Seedling of Garza, with habit of parent; in color a rich rose lavender pink. Extremely free and of excellent keeping qualities. Whether grown for pot plants or for cutting, it is equally adaptable. Do not disbud.

35c each; \$4.00 per dozen; \$25.00 per 100.

HARDY CHRYSANTHEMUMS

Send a card for our list of a selected collection, with prices.

THE STRAFFORD FLOWER FARM, Strafford, Pa.

Mention the American Florist when writing

New Hardy Golden Vinca

Vinca Minor Aurea.

Golden variegated Myrtle or Perwinkle.

This is not a creamy yellow like V. Variegata, but a rich deep golden yellow, grand for shrubbery borders, banks, window boxes, vases and especially for cemetery work.

Awarded Certificate of Merit by the New York Hort. Society; Paterson (N. J.) Horticultural Society and Elberon (N. J.) Horticultural Society.

Price, 3 in. pot plants, \$2.00 per doz.; \$15.00 per 100. Delivery in April.

WM. TRICKER, ARLINGTON, N. J.

Water Lilies and Hardy Plants a specialty.

Mention the American Florist when writing

M. LEENDERS & COMPANY,

ROSE GROWERS Tegelen, Holland.

WRITE FOR PRICE LIST.

The New Carnation, **BROOKLYN**

A Reincarnation of the old William Scott, but embodying additional and more important qualities

THE NEW "HELEN" PINK A beautiful Deep Pink after the style of the old William Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit" Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber
GROWER,
Lynbrook, Long Island, **New York**

R. G. WILSON
Fulton Street and Greene Avenue
BROOKLYN, N. Y.

CHAS. H. TOTTY
Madison, N. J.



**Down, Down
Down They Go
For a Short Time.**

Our **Verbena** are the finest in the land, 60c per 100, \$5.00 per 1000.

Fuchsias, the best named varieties, \$1.00 per 100, \$9.00 per 1000. **Colcus**, all the finest select named varieties, 70c per 100, \$6.00 per 1000.

Alternantheras, red and yellow, very strong, 60c per 100, \$5.00 per 1000.

Sweet Alyssum, our big double Giant, 80c per 100, \$6.00 per 1000. **Vincas**, very strong rooted cuttings, \$1.00 per 100, \$8.00 per 1000. **Salvias**, Bonfire and St. Louis, the leading varieties, 80c per 100, \$7.00 per 1000. **Feverfew**, Little Gem, a large fine flower, the best of all, \$1.00 per 100, \$9.00 per 1000. **Swainsonas**, \$1.25 per 100. Express prepaid on all rooted cuttings. Satisfaction guaranteed to all parts of the United States.

C. HUMFELD,
The Rooted Cutting Specialist, **Clay Center, Kansas.**
Mention the American Florist when writing

Begonias Tuberos Rooted.

Single, White, Pink, Scarlet, Per 100	1000
Orange, Yellow and Crimson	\$2.50 \$22.00
Single, mixed colors	2.25 20.00
Double, White, Pink, Scarlet, Orange, Yellow and Crimson	4.00 35.00
Double, mixed colors	3.50 30.00

GLOXINIAS

Blue, White, Crimson, Violet, white border, red white border	3.50 30.00
Mixed, all colors	3.00 26.00

A. HENDERSON & CO.
30 E. Randolph St., **CHICAGO**
Mention the American Florist when writing

PALMS, FERNS AND Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. **BROOKLYN, N. Y.**
Mention the American Florist when writing

PRIMULAS, Obconica and Chinese, in bloom, \$5.00 per 100; 2 1/2-in., ready for 4 in. pots, \$1.50 per 100, \$12.50 per 1000. **SPRENGERI**, fine 2 1/2 in., \$1.50 per 100, \$12.50 per 1000. **CINERARIAS**, Dwarf Prize; **SNAPDRAGONS**; **BOUBLE ALYSSUM**; **HELIOTROPE**: fine 2 1/2 in., \$2.00 per 100, 300 for \$5.00. **FERNS**, Whitmani, 4-in., \$10.00 per 100. **HARDY IVY**, 3 to 4 ft., 4-in., fine, \$8.00 per 100. **VINCA**, Variegated, 4-in., \$7.00 per 100.

J. C. SCHMIDT, Otter and Maple Sts., **BRISTOL PA.**

Carnation Novelties

We can still quote February delivery on "Wodenethe" and "Brooklyn," at \$12.00 per 100; \$100.00 per 1000.

It will pay you to come and see these two varieties growing.

Still booking orders for

"SUNBURST,"

The Grand New Yellow Rose.

\$30.00 per 100; \$250.00 per 1000, own root. Grafted plants, 5c extra.

By the way, our catalogue was mailed you. Did you receive it? If not, we will only be delighted to send you another.

CHAS. H. TOTTY, Madison, N. J.

Mention the American Florist when writing

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.

Pink and White	Per 100	Per 1000
Killarney , 2 1/2-in.....	\$12 00	\$100 00
Richmond , 2 1/2-in.....	12 00	100 00
Sunburst , 2 1/2 in.....	35 00	
Maryland , 2 1/2-in	12 00	100 00
Mrs. Aaron Ward , 2 1/2-in. 14 00	14 00	120 00
Melody , 2 1/2-in.....	14 00	120 00
Mrs. Taft or Prince de Bulgarie , 2 1/2-in.....	14 00	120 00
Radance	14 00	120 00
Lady Hillingdon , 2 1/2-in. 15 00	15 00	

OWN ROOT.

Pink and White	Per 100	1000
Killarney , 2 1/2-in	\$6 00	\$55 00
Maryland , 2 1/2-in.....	6 00	55 00
Richmond , 2 1/2-in.....	5 00	40 00
Antoine Rivoltre, Mrs. Taft, or Prince de Bulgarie , 2 1/2-in.....	8 00	70 00
Radance , 2 1/2-in.....	8 00	
Melody , 2 1/2-in.....	8 00	70 00
Mrs. Aaron Ward , 2 1/2-in. 8 00	8 00	70 00
Dbl Pink Killarney , 2 1/2-in. 8 00	8 00	70 00

Orders are now booked for April, May, June and July delivery. All goods are sold for cash or 30 days on approved credit.

The Early Advertisement Gets There

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, February 19.—Cucumbers, \$1 to \$1.50 per dozen; radishes, 12½ cents to 30 cents per dozen bunches; rhubarb, 50 cents per bunch; mushrooms, 25 cents to 35 cents per pound.

New York, February 17.—Mushrooms, \$1 to \$2.25 per 4-pound basket; cucumbers, \$1 to \$1.25 per dozen; tomatoes, 10 cents to 40 cents per pound; radishes, \$1.50 to \$3 per 100 bunches; lettuce, \$1 to \$2 per strap; rhubarb, 40 cents to 60 cents per large bunch and 60 cents to 90 cents per dozen small bunches; mint, 50 cents to 60 cents per dozen bunches.

Soil Fertility.

At this time of the year the grower should carefully consider if his beds are well supplied with plant food—enough to carry the coming crops through successfully. Very often the last crop of lettuce comes thin and tough, generally the result of exhaustion. As the light increases and the days lengthen, growth is faster, more water is absorbed, which means a heavy drain on fertility. If we are sure of ample humus in our ground we use fertilizers heavily if needed; but if the humus is scant it is better to apply more manure. In the absence of well decayed manure we often use fresh manure by heating it moderately. Such heating, while wasting some ammonia, breaks down the coarse parts and renders the matter more pliable and available. Thus in spading up beds to be reset with lettuce we often have one man do the digging and another continually filling the trenches with this manure. To prepare this, we proceed much like reducing mushroom manure. Gentle heating, uniform moistening, repeated turning and compacting are necessary. It is surprising how a crop of lettuce responds to such treatment and the following cucumbers or tomatoes will find much to benefit them. Where lettuce is cut from dry beds the moisture must be replaced before planting and not after, for no amount of watering after planting seems to make up for any damage done by replanting into dry earth.

MARKETMAN.

Soil for Hotbeds.

Gardeners are this year experiencing extreme difficulty in obtaining soil for their hotbeds owing to the extremely cold winter, preceded by the long wet spell in the fall. In our case we could not prepare our usual soil supply owing to constant heavy rains, but we succeeded in plowing many acres in December. This rough land dries off quickly and we are now scraping off an inch or two in favored spots which helps out wonderfully. Whenever caught in this way we always resort to sand to relieve the moisture and

denseness of such soils. At first sight the use of sand may seem expensive, but if we can prevent damping off of our seedlings and procure a good stand of vigorous plants such expense is justified. We have at times used a bushel of sand to each sash, but generally one-half that is ample.

As a last resort we use fire to secure a supply of soil. Either brush, rubbish or wood is used and enough to not only thaw out the soil but to dry it as well. We have used such soil together with the ashes with good results.

We sow all seeds in drills, either two inches, two and one-half inches or three inches apart, according to variety, and early in the season never cover them. The drills are made with a marker, very shallow, and after seeding the surface is well firmed with a piece of plank. In this way we always get a good stand.

MARKETMAN.

Success in Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

CARNATIONS

Rooted Cuttings

Rosette—The bright, large-flowered dark pink carnation. Only a few thousand left for early March delivery.

\$12.00 per 100; \$100.00 per 1000;
250 at 1000 rate.

For February delivery we can supply now:

	Per 100	Per 1000
Scarlet Glow.....	\$3.00	\$25.00
White Perfection.....	3.00	25.00
Bonfire.....	6.00	50.00
Rose Pink Enchantress.....	3.00	25.00

Quality Cuttings

F. DORNER & SONS CO.

LA FAYETTE, INDIANA.



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

Pure Culture Mushroom Spaw

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

Trade Mark, American Spawning Co., St. Paul, Minn.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.

440 S. Dearborn St., CHICAGO.

WE HAVE TO OFFER

A Fine and Large Stock of

Easter Plants for immediate shipment. We have in store for you this Easter the finest Lillium Multiflorum you ever saw, raised from 9-10-inch bulbs, at \$95.00 per 1000, at 10c per bud for plants having 5 up to 10 buds, and 12c per bud for plants under 5 buds.

Spiraea Gladstone, 5½-6-7-in. pots, 35c. 50c to 75c. Azaleas, Vervæneana and Deutsche Perle, in bloom now, 7c. \$1.00, \$1.25 to \$1.50.

Neph. Whitmani, Schollzell, Boston, Scotti, 5½, 6 to 7 in. sizes, at 35c 40c, 50c, 75c to \$1.00. Araucaria Excelsa, 5½, 6 to 7 in. in pots, 50c, 60c, 75c, \$1.00 \$1.25 to \$1.50.

Araucaria Robusia Compacta and Glauca, 6-in. pots, \$1.00, \$1.25 to \$1.50. Rubbers, 20 to 3½ in., 5½, 6 to 7 in. pots, 30c, 40c, 50c, 75c to \$1.00.

Kentia Belmoreana and Fosteriana, single, 50c, 60c; 75c, \$1.00, \$1.50 to \$2.00.

Kentia Belmoreana, made up, 60c, 75c, \$1.00. Asparagus Plumosus, 2½ to 3 in., 3c to 5c; 4 in., 10c. Sprengerii, 4 in., 10c.

Wilson Fern, 6-in. pans 25c. Begonia Erfordi, Improved, in bloom, 5¼-in., 25c. Arca Lutescens, 4-in., made up, 1c to 20c; 5¼-in., 25c.

Cocos Weddelliana, 3-in., 15c; 4 in., 20c. Primula Chinenensis, in bloom, 4-in., 10c; 5½-in., \$2.00 per doz.

We have a big stock of Azaleas for Easter; best varieties 40c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

Cineraria Hyb. Aschmann's, so well known strain, 3-in., 5c; 4-in., 10c; 5½-in., 25c; 6-in., 35c. Cash with order.

Watch for our big display Easter advertisement in a few weeks.

Godfrey Aschmann

WHOLESALE FLORIST,

1012 W. Ontario St., Philadelphia, Pa

Greenhouse Construction.

By Prof. L. R. Taft. Price \$1.50

AMERICAN FLORIST CO.

440 S. Dearborn St., Chicago.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Astars, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

DREER'S FANCY LEAVED CALADIUMS

We are carrying the largest stock of Fancy Leaved Caladiums in the world in an assortment of varieties which, besides the choice standard sorts, includes many new and rare varieties not generally offered.

Bulbs started at any time before the middle of April will make splendid plants in 3½ or 4 inch pots, which will prove useful for porch and window boxes in shaded or semi-shaded positions and which always meet with ready sale, while for the decoration of the Florist's store window during the summer months no more useful subject can be grown.

We offer special selections according to variety as follows:

Choice Standard Varieties, \$1.75 per doz.; \$12.00 per 100, \$100.00 per 1000.

Choice Rare and New Varieties, \$2.25 per doz.; \$15.00 per 100; \$140.00 per 1000.

Choice Mixed Varieties, \$1.50 per doz.; \$10.00 per 100.

Rare New Varieties, the most recent introductions, \$3.50 per doz.; \$25.00 per 100.

The Above Prices Are For The Trade Only.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.



Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Asparagus.....

Plumosa, 2¼-in. pots... 1000 \$18 00 100 \$2 00

Primroses

Obconica Alba and Roses, 2¼-in. pots.. 1 50 Per 100

Geraniums

S. A. Nutt and five other varieties. My selection, 2½ inch pots, \$3.00 per 100.

Coleus

10 varieties. My selection, \$2.00 per 100.

Canna Chas. Henderson, dry bulbs, 2 and 3 eyes..... per 100, \$2.00

Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.

The Early Advertisement Gets There.

LADY HILLINGDON

Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place your order now for early delivery.

YOUNG STOCK. PRICES:

Grafted.....\$25.00 per 100; \$200 00 per 1000
Own Root..... 20.00 per 100; 150.00 per 1000

WABAN ROSE CONSERVATORIES
Natick, Mass.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Mention the American Florist when writing

—We Have All Kinds of—
BLOOMING PLANTS

For the storeman. A fine lot of Azaleas, Hydrangeas, Roses, white and Red Rambler Roses, Crimson Ramblers, Pink Dorothy, Climbing Baby Ramblers, etc.

For Easter write us your wants.

Don't forget we are headquarters for Ferns.
GEO. A. KUHL, Wholesale Grower, Pekin, Ill.

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

Frost and Snow in Holland.

"A very severe frost with some two and a half feet of snow," writes Kalten & Lunnemann of Boskoop, Holland, under date of February 3, "has stopped the nursery men of that section shipping their export orders to this country which they had in general started. Those who expected their shipments in February will have to wait a little longer."

Inspection and Quarantine Bill.

A copy of bill H. R. 18000, introduced in the national house of representatives by Representative Simmons, January 15, 1912, to regulate the importation and interstate transportation of nursery stock and the establishing and maintaining of quarantine districts for plant diseases and insect pests will be found on page 233 of this issue.

It will be seen on comparing this with the bill drafted by W. P. Stark and Prof. S. J. Hunter of the Western Association of Nurserymen, which appeared in THE AMERICAN FLORIST issue of February 10, that it differs in many radical ways: The Federal Horticultural Commission is differently constituted; the United States and its possessions are included; instead of state or territorial officials, agents of the commission are to be advised and have control; the term "nursery stock" does not include "vegetable and flower seeds, bedding plants and other soft-wooded herbaceous plants, bulbs or roots;" and the appropriation for the purpose of the act is materially increased.

Diseases of Chestnuts and Other Trees.

In an address by Dr. Haven Metcalf, chief of the Division of Forest Pathology in the United States Department of Agriculture, entitled "Fungous Diseases of the Chestnut and Other Trees," delivered before the Massachusetts Horticultural Society, Boston, Mass., the essayist stated that in forest pathology, we have to deal with trees under two cultural types: first, the trees in the forest; second, shade, ornamental and park trees. In the former preventive measures must be the means of combating diseases, but in the latter individual treatment may be accorded the trees, such as tree-surgery, pruning and spraying, which are successfully practiced.

While forest pathology is the newest branch of plant pathology, yet in the last few years the Department of Agriculture has made a disease survey of the national forests. Many fungi that are serious enemies of trees have been discovered. Good success has been attained in overcoming damp-off of seedlings by the use of soil fungicides, the white pine blister-rust has been controlled, and the heart rots, the mistletoes of the west and the pin-rots of incense cedar and cypress are being controlled in four of the six districts of national forests.

The chestnut bark disease was first observed in 1904, but had probably existed in the neighborhood of Long Island for twenty years. In the last

seven years, it has spread from New York to Virginia and west to Ohio, causing a loss of \$25,000,000 of property. If this disease had been discovered at its inception, it could undoubtedly have been controlled at small expense. The only practical method that has been proposed is, the cutting out of advance infections, until some other is discovered. The stake for which we are fighting, is nothing less than the total stand of chestnut timber in the United States.

LARGE TREES

OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.



Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
 MORRISVILLE, PA.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched.....	\$1.00	\$ 7.00
15 to 20 in., 3 or more branches.....	1.50	10.00
20 to 30 in., 4 or more branches.....	2.00	15.00
2½ to 3 ft., atrong, 6 or more branches	3.00	25.00
3 to 4 ft., extra heavy, 8 or more branches.....	4.00	30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.

Cable Address: NOVA BOSKOOP—A B C Code, 5th Ed.

BOSKOOP, HOLLAND, Jan. 26th, 1912.

Gentlemen—I herewith beg to state that I have dissolved my partnership with Messrs. W. Van Kleef & Sons, The Nurseries, Boskoop, Holland, and that I will continue the business relations for my own account from Jan. 27th, 1912, under the name of

VERKADE VAN KLEEF,

(W. Van Kleef, Jr., Prop.) "Nova Nurseries," Boskoop, Holland.

Hoping to be honored with your esteemed orders, which will have my best personal care and attention, Yours very truly,

Nurseries: Boskoop, Waddinxveen (Holland). W. VAN KLEEF, Jr.

SPECIALTIES: Azalea, Buxus, Clematis, Conifers, Magnolia, Pæonies, Rhododendrons (hardy select), Roses, Etc., Etc.

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Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. RUTHERFORD, N. J.

HOLLAND ROSES

Climbers

	Per 100	Per 1000
Tausendschon, on own roots, 2-3 feet, bushy.....	\$3.00	
Crimson Rambler, on own roots, 1½-2½ feet, bushy.....	2.50	\$22.50
Flower of Fairfield, on own roots, 2-2½ feet, bushy.....	4.00	
Dorothy Perkins, on own roots, 4-6 feet, bushy.....	3.00	27.00

BABY ROSES—Grafted.

Mrs. Cutbush.....	4.00
Madame Norbert Levavasseur.....	4.00

RAMBLER ROSES—on 5-5½ feet Rugosa stem.

Crimson Rambler, head 3-4 feet long.....	Per 100,	\$22.50
Wichurliana, " " " ".....	" "	22.50
Dorothy Perkins, " " " ".....	" "	22.50

Packing at cost price.

M. KOSTER & SONS, BOSKOOP, HOLLAND.

Leaders in Both Quality of Stock and in Varieties.

Our rose stock for greenhouse growing is considered the finest quality which can be produced and there are thousands of customers from California to Maine who will testify to the truth of the assertion,

DOUBLE WHITE KILLARNEY (Budlong) and KILLARNEY QUEEN

are our introductions of 1912
 Grafted plants..\$30.00 per 100; \$250.00 per 1000
 Own root..... 25.00 per 100; 200.00 per 1000

Sunburst, of our own growing, which means quality in the young stock, at the introducer's prices.

Lady Hillingdon, The yellow rose, noted for its wonderful color and freedom of growth.

Grafted plants..\$25.00 per 100; \$200.00 per 1000
 Own root.....20.00 per 100; 150.00 per 1000

Mrs. Aaron Ward, Grafted plants, \$20.00 per 100; \$150 per 1000. Own root plants, \$10.00 per 100; \$90.00 per 1000.

Melody, Own root plants,.....\$12.00 per 100
\$100.00 per 1000

STANDARD COMERCIAL VARIETIES.

Killarney, White Killarney, Richmond, Mrs. Taft, (Rivoire) My Maryland, Radiance, Grafted plants, \$15.00 per 100; \$120.00 per 1000.

250 of a variety at the 1000 rate.
 Special prices quoted on 5000 or more.

Commercial Chrysanthemums

Chadwick Supreme, Roman Gold, and Smith's Advance in quantity. All the choice commercial varieties.

Bedding Stock in Quantity

Coleus, Salvia, Heliotrope,

Place your orders now and be certain of your stock. We guarantee satisfaction to our customers. Satisfactory references or cash required from unknown parties.

A. N. PIERSON, Inc., Cromwell, Conn.

Mention the American Florist when writing

Ferns.

4-inch heavy stock, \$12.00 per 100.
 Boston, Barrowsi and Elegantissima;
 also 2 1/4-inch Boston, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio
 Mention the American Florist when writing

Ferns for Dishes

Per 100 Per 1000
 2 1/4-in \$3.50 \$30.00
 Asparagus Plumosus, 2 1/4-inch \$3.50 per 100;
 \$30.00 per 1000. 3-in. \$6.00 per 100,
 500 at 1000 rate. Cash with order.

FRANK OECHSLIN,
 4911 Quincy St., CHICAGO
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SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
 Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.
 Prices low. Send for list.

Wood Brothers, FISHKILL,
 New York.
 Mention the American Florist when writing

Robert Craig Co... HIGH CLASS PALMS

and Novelties in Decorative Plants.
 Market and 49th Sts., Philadelphia, Pa

CANNAS

Vaughan's Home Grown Extra Select Stock.

DRY ROOTS for immediate shipment. Every field clump checked in the field when blooming by capable men who know the true type.

	Doz.	100		Doz.	100
Beaute Poitevine.....	\$0.60	\$ 4.00	Mlle. Charlotte Mongeot	.50	\$3.00
Chas. Henderson.....	.60	4.00	Madame Crozy.....	.60	4.00
David Harum.....	.60	4.00	Milwaukee.....	.60	4.00
Egandale.....	.60	4.00	Multiflora.....	.75	5.00
Florence Vaughan.....	.50	3.00	Niagara .....	.50	3.00
General Merkel.....	.60	4.00	Prince Wied, blood-red..	2.50	20.00
King Humbert.....	.75	5.00	Queen Charlotte.....	.60	4.00
Leonard Vaughan.....	.60	4.00	The Express.....	1.25	8.00
Long Branch.....	.85	6.00	Tisza, new, white.....	.60	4.00

N. B.—Write for prices on any other varieties you need.

Dahlias

Remember we also grow large quantities of all the popular cut flower sorts, and shall be glad to submit list.

BOOK FOR FLORISTS READY.

Chicago VAUGHAN'S SEED STORE, New York
 Greenhouses, Nursery and Trial Grounds at Western Springs Ill.

LUPINES (Annual). White, Pink, Blue and Yellow. These are the best strain of cut flower sorts. Plant now for quick results. Good plants, \$1.00 per 100; \$9.00 per 1000.

Smilax, strong, 2-in.....\$1.50 per 100
 Double Fringed Petunias, Rooted Cuttings, mixed.....\$1.00 per 100; \$9.00 per 1000
 Parsley, Double Curled..... 1.25 per 1000
 Pansies (Rawlings' Strain)..... 2.50 per 1000

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

Mention the American Florist when writing

Cannas

In 10 best varieties from \$15.00 per 1000 up.

Also 10,000 King Humberts. Write for prices and varieties. Will exchange for R. C. Carnations standard varieties.

W. W. Coles, Kokomo, Ind.

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000		Per 100	Per 1000
Gloriosa.....	\$6 00	\$50 00	Enchantress.....	3 00	25 00
Dorothy Gordon.....	4 00	35 00	Beacon.....	3 00	25 00
White Perfection.....	3 50	30 00	Rose Pink Enchantress.....	2 50	20 00
White Enchantress.....	\$3 00	25 00	Winsor.....	2 50	20 00

J. D. THOMPSON CARNATION CO.,
 Carnation Specialists, JOLIET, ILL.

ROOTED

Carnation Cuttings

	Per 100	1000
Washington.....	\$6.00	\$50.00
Mrs. C. W. Ward.....	3.00	25.00
Beacon.....	3 00	25.00
White Enchantress.....	3.00	25.00
May Day.....	2.50	20.00
Sangamo.....	2.50	20.00

250 at 1000 rate. Satisfaction guaranteed.

DES PLAINES FLORAL CO., Des Plaines, Ill.

A FEW GOOD THINGS YOU WANT.

- Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.
- Boston Ferns, 5-in., 25c each.
- Whitmani Ferns, 4-in., 25c.
- Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
- Vinca Var., 2-in., 2c.
- Asparagus Sprengeri, 2-in., \$2.50 per 100.
- Asparagus Plumosus, 2-in., \$3.00 per 100.

Cash with order.

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

CARNATIONS

From pots, either with or without ball, earth being loose and sandy. Alma Ward, Beacon, Victory, Winona, \$2.50 per 100. Mrs. C. W. Ward, \$3.50 per 100. White Wonder, Washington, \$5.00 per 100.

Asparagus Plumosus

Fine stock, an extra value.....per 1000, \$25.00

COLEUS

Verschaffeltii, Golden Bedder and assorted varieties, \$6.00 per 1000.
 Giant Leaved, \$2.50 per 100.

GERANIUMS

April Delivery.

S. A. Nutt.....per 1000, \$11.50
 Ricard and Poitevine.....per 1000, 14.00

ALBERT M. HERR, Lancaster, Pa.

ROSES and ROSES

Spring Price List Ready.

THE LEEDLE FLORAL COMPANY
 SPRINGFIELD-OHIO.

Grafted Rose Plants

Choice stock from flowering wood, ready for delivery April 1st.

Well hardened and in good condition to bench or repot.

- Mrs. Aaron Wardper 100, \$12.00
- White Killarney.....per 100, 12.00
- Pink Killarney.....per 100, 12.00
- Rhea Reid.....per 100, 12.00

Prince de Bulgarie, ready May 1st.....per 100, \$12.00

Our stock is all grafted on selected English Manetti.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., CHICAGO.
 Greenhouses: HINSDALE, ILL.

Rooted Carnation Cuttings

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000		Per 100	Per 1000
Beacon.....	\$2 50	\$20 00	Enchantress.....	\$2 00	\$17 50
White Enchantress.....	2 50	20 00	White Perfection.....	2 00	17 50
R. P. Enchantress.....	2 00	17 50			

PETER REINBERG,

30 East Randolph St., CHICAGO

Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

Roses.

Ramblers, Hybrid Teas, Hybrid Perpetuals, Dwarf Polyanthas, Standards and Half Standards.

Rhododendrons.

18-24 inches, well budded, named varieties, forcing stock, as well as kinds for outdoors. \$40.00 per 100.

Lily of the Valley.

Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.

TELL US YOUR WANTS.

Jackson & Perkins Company,

Nurserymen and Florists (Wholesale only), Newark, Wayne Co., New York



Pteris Wilsoni.

BEDDING PLANTS

Choice Palms and Fancy Ferns



Pteris Serrulata.

BEDDING PLANTS.

Althernanthera, red and yellow cuttings	Per 1,000	\$6.00
Achyranthes—rooted cuttings	Per 1,000	6.00
P. de Balley	Per 100	\$2.50
Metallica	Per 100	2.00
Lindenli	Per 100	2.00
Waracewiczli	Per 100	2.00
ACHYRANTHES—2-Inch.	Per 100	2.00
P. de Balley	Per 100	2.00
Metallica	Per 100	2.00
Lindenli	Per 100	2.00
Waracewiczli	Per 100	2.00
AGERATUM, Stella Gurnsey—2-Inch.	Per 100	2.00
Princess Panline—2-Inch	Per 100	2.00
Cyclamen, seedlings, best varieties, 2 1/2 inch.	Per 1000	\$5.00
Colcus, 2 inch. Pfister, red and yellow; Beckwith's Gem, Golden Bedder, Verschaffeltii	Per 1000	2.00
Gnaphalium Lanatum—3-inch	Per 1000	5.00
Gnaphalium Lanatum—2-Inch	Per 1000	2.00
Halictrops, 2-inch	Per 1000	2.00
Halictrops, 3-inch	Per 1000	4.00
Chrysanthemum Maximum Perfectum (Improved Shasta Daisy), strong seedlings	Per 1000	\$5.00
Ivy, German, 2-inch	Per 1000	2.00
Lantana Dollostissima, 2-inch	Per 1000	2.00
Lobelia Catherine Mallard, rooted cuttings	Per 1000	6.00
Lobelia Catherine Mallard, 2-inch	Per 1000	26.00
Marguerites, yellow cuttings	Per 1000	6.00
Marguerites, yellow, 2-inch	Per 1000	2.00
Mrs. F. Sanders, new double white, 2-inch, \$3.00 per 100; 3-inch, \$6.00 per 100; Cuttings, \$15.00 per 1000.	Per 1000	\$8.00
SALVIA—Rooted Cuttings	Per 1000	6.00
Bonfire	Per 1000	6.00
Zurich	Per 1000	2.00
SALVIA—2-Inch.	Per 1000	2.00
Bonfire	Per 1000	2.00
Zurich	Per 1000	2.00
VINCAS—	Doz.	100
2-inch	Doz.	\$ 2.50
3-inch	Doz.	5.00
4-inch	Doz.	\$2.00 15.00
PANSIES, transplanted seedlings	Per 1000	\$5.00 per 1000

FERNS.

		BOSTONS.	
Size	Each	Doz.	100 1,000
2-in.	.....	.....	\$3.00 \$25.00
3-in.	.....	.....	\$1.00 8.00
4-in.	.....	.....	1.50 12.00
5-in.	.....	.....	3.00 20.00
6-in.	.....	.....	6.00 46.00
7-in.	.....	.....	\$0.75 9.00
8-in.	.....	.....	1.00 12.00
9-in.	.....	.....	1.50 18.00
10-in.	.....	.....	2.50
12-in.	.....	.....	3.50 to \$5.00
Boston Fern Baskets, each	.....	.....	\$1.00, 1.50, 2.00
ASST. FERNS, FOR DISHES, 2-in.	.....	.....	\$0.40
doz.; \$3.00 per 100; \$25.00 per 1,000.			
		Each	Doz.
Cibotium, 7-inch	.....	.....	\$30.00
8-inch	.....	.....	3.00 36.00
Stove and Greenhouse Plants			
Aspidistra, Green	.....	.....	\$0.08 per leaf
Variegated	.....	.....	.15 per leaf
Araucarias—			
4-in., 2-3 tiers	.....	.....	\$0.50 each; \$ 6.00 per doz.
6-in., 4-5 tiers	.....	.....	1.00 each; 12.00 per doz.
7-in., 4-5 tiers	.....	.....	1.50 each; 13.00 per doz.
Aparagus Baskets, 1-in., 1.50 and 2-in.	each.		
Aparagus Plumosus—			
2-in.	.....	.....	\$0.40 per doz.; \$ 3.00 per 100
3-in.	.....	.....	.75 per doz.; 6.00 per 100
4-in.	.....	.....	1.50 per doz.; 12.00 per 100
6-in.	.....	.....	4.00 per doz.; 30.00 per 100
Aparagus, S. D.—			
4-in.	.....	.....	\$1.50 per doz.
Boxwood Bushes—			
8-in. high	.....	.....	\$0.25 each
12-in. high	.....	.....	.35 each
18-in. high	.....	.....	.50 each
24-in. high	.....	.....	1.00 each
Boxwood—			
Globe, 18-in. in diameter	.....	.....	\$2.50 each
Cyperus—3-in.	.....	.....	\$0.75 per doz.; \$ 5.00 per 100
4-in.	.....	.....	1.50 per doz.; 10.00 per 100
Dracena Indivisa—			
2-in.	.....	.....	\$3.00 per 100; \$25.00 per 1,000
7-in.	.....	.....	\$1.25 each; \$15.00 per doz.
Dracena Massangeana—6-in.	.....	.....	\$1.25 each
7-in.	.....	.....	1.50 each

BULBS.

		Per 100	Per 1000
Cannas, Chicago	.....	\$250	\$20.00
Egandale	.....	2.50	20.00
Chas. Henderson	.....	2.50	20.00
King Humbert	.....	3.00	.....
		Per 100	.....
Dahlias, Thatcher, double yellow	.....	\$12.00	.....
Sylvia, light pink	.....	12.00	.....
A. D. Livoni, shell pink	.....	12.00	.....
J. Cowan, single	.....	12.00	.....
J. Downie	.....	12.00	.....
Ami Barillet, single	.....	12.00	.....
Fashion, single	.....	12.00	.....
Field Clumps	.....	\$80.00 per 1000.	.....
		Per 1000	.....
Gladiolus—			
Mrs. Francis King, 2nd size	.....	12.00	.....
Mrs. Francis King, 3rd size	.....	8.00	.....
Mrs. Francis King, 4th size	.....	6.00	.....
Isiunc Calathina, 1st size, 6c each; 2nd size, 4c each; 3rd size 2c each.			
Stock for Easter Forcing.			
Rhododendrons	.....	75c, \$1.00 and \$1.25 each	.....
Azaleas—			
Empress of India	.....	75c, \$1.00 and \$1.50 each	.....
Mme. Van der Cruyssen	.....	.....	.....
.....	.....	75c, \$1.00 and \$1.50 each	.....
Lilac, Marie Legraye	.....	.....	\$1.00 each
Kalmia latifolia	.....	.....	\$1.00 each
Spirea, Gladstone	.....	.....	\$3.00 per dozen
Queen Alexandra	.....	.....	\$4.00 per dozen
Japan Maples	.....	.....	\$1.00 each
STOVE AND GREENHOUSE PLANTS.			
Dracena Terminalis—			
4-in.	.....	.....	\$0.85 each; \$4.00 per doz.
Ficus Elastica (Rubber)—			
6-in.	.....	.....	\$0.50 each; \$6.00 per doz.
Ivy, English—			
3-in.	.....	.....	\$0.75 per doz.
4-in.	.....	.....	1.50 per doz.
Pandanus Utilis, 3-in., per doz.	.....	.....	\$1.50
PANDANUS VEITCHII.			
		Each	Doz.
4-in.	.....	\$0.50	\$5.50
5-in.	.....	.75	9.00
6-in.	.....	1.00	12.00
Tradescantia Variiegata (Wandering Jew)—			
2-in.	.....	.....	\$0.40 per doz.; \$3.00 per 100

PALMS

KENTIA BELMOREANA.

Pot	High	Leaves	Doz.	100
2 1/2-in.	8-in.	4	\$1.50	\$12.00
3-in.	8-10-in.	4-5	2.00	15.00
4-in.	12-in.	4	3.60	30.00
4-in.	12-15-in.	4-5	4.50	35.00
5-in.	15-18-in.	5-6	6.00	50.00
		Each	Doz.	100
5-in.	18-20-in.	5-6	\$0.75	\$ 9.00
6-in.	20-22-in.	6-7	1.00	12.00
6-in.	22-24-in.	6-7	1.50	18.00
7-in.	36-40-in.	6-7	4.50	.....
8-in.	40-45-in.	7-8	5.50	.....
8-in.	48-50-in.	7-8	8.00	.....
9-in.	50-54-in.	7-8	10.00	.....

ARECA LUTESCENS.

3-in., 3 plants in a pot,	\$2.00 per doz.; \$15.00 per 100.
4-in., 3 plants in a pot,	\$3.00 per doz.; \$25.00 per 100.
7-in., 4-5 plants in a pot,	36-in. high, \$3.00 each.
8-in., 5-6 plants in a pot,	60-64-in. high, \$5.00 each.
Cocos Weddelliana, 2 in.,	\$1.75 per doz.; \$14.00 per 100; 3-in., \$2.50 per doz.; \$20.00 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lva.	.....	.....	\$3 per 100; \$25 per 1,000
4-in.	.....	.....	\$3 per doz.; \$20 per 100
5-in.	.....	.....	\$5 per doz.; \$40 per 100
6-in.	.....	.....	\$6 per doz.;

PHOENIX CANARIENSIS.

		High	Each
7-in.	.....	36-40-in.	\$2.50
8-in.	.....	46-50-in.	4.00
10-in.	.....	50-54-in.	5.00
10-in.	.....	60-64-in.	10.00

KENTIA FOSTERIANA.

Pot	High	Leaves	Doz.	100
2-in.	8-10-in.	4	\$1.50	\$12.00
3-in.	12-14-in.	4-5	2.00	15.00
4-in.	14-16-in.	4-5	4.50	35.00
		Each	Doz.	100
5-in.	20-24-in.	4-6	\$0.75	\$ 9.00
6-in.	24-30-in.	5-6	1.00	12.00
6-in.	30-36-in.	5-6	1.50	.....
7-in.	36-38-in.	5-6	2.50	.....
7-in.	38-40-in.	5-6	3.50	.....
8-in.	40-42-in.	5-6	4.50	.....
9-in.	46-50-in.	6-7	7.00	.....
		High	In a Pot	Each
7-in.	.....	24-30-in.	3-4	\$ 2.50
8-in.	.....	30-34-in.	3-5	8.00
10-in.	.....	38-40-in.	4-5	10.00
12-in.	.....	62-70-in.	4-5	15.00

PHOENIX RECLINATA.

4-in.	.....	250 each; \$3 doz.; \$20 per 100
5-in.	.....	500 each; \$5 doz.;
6-in.	.....	750 each; \$9 doz.;

PHOENIX ROEBELENI.

2 1/2-in.	.....	\$2.00 per doz.; \$15.00 per 100
3-in.	.....	\$3.00 per doz.; \$22.50 per 100
5-in.	.....	\$9.00 per doz.; \$70.00 per 100
6-in.	.....	\$12.00 per doz.;
6-in., strong	.....	\$2.00 each
7-in.	.....	2.50 each



Pteris Magnifica.

THE
GEO. WITTBOLD CO.
EDGEBROOK, CHICAGO.



Pteris Crestica, albo lineata

Order Now. Look up your needs for the Spring trade and place your order at once. Don't wait until you actually need the stock. Early orders will prove a mutual benefit

NEW ROSES FOR 1912

Double White Killarney—(Budlong)

The most valuable White Forcing Rose ever offered.
Own roots.....each, 75c; doz., \$6.00; 100, \$25.00; 1000, \$200.00
Grafted.....each, 75c; doz., 7.50; 100, 30.00; 1000, 250.00

Killarney Queen—(Budlong)

A cerise pink sport of Killarney.
Own roots.....each, 75c; doz., \$6.00; 100, \$25.00; 1000, \$200.00
Grafted.....each, 75c; doz., 7.50; 100, 30.00; 1000, 250.00

Lady Hillingdon.

An excellent forcing variety of a deep coppery yellow.
Own roots.....each, 40c; doz., \$3.00; 100, \$20.00; 1000, \$150.00
Grafted.....each, 40c; doz., 4.00; 100, 25.00; 1000, 200.00

Sunburst.

An intense shade of golden yellow. Own roots...each, 75c doz., \$5.00

STANDARD ROSES



JESSIE, THE NEW BABY RAMBLER.

	Dormant.	Two-Year, Field Grown and Budded Plants unless otherwise noted.	Dormant.	2 1/2-in. pots.
	Doz.	100	Doz.	100
Alfred Colomb, bright red	\$2.00	\$14.00		
American Beauty, deep pink	2.00	15.00	\$1.25	\$3.00
Baron de Bonstettin, dark red	2.00	14.00		
Bernice Rothschild, satiny pink	2.00	14.00		
Cardinal, dark red			1.00	7.00
Captain Christy, flesh white	2.00	14.00		
Caroline Testout, satin rose	2.00	15.00		
Clothilde Soupert, pearly white			60	4.00
3-inch pot plants, doz., 85c; 100, \$6.00.				
Write for prices on thousand lots.				
Fisher Holmes, deep crimson	2.00	14.00		
Frau Karl Druschki, best white	2.00	15.00		
Gen. Jacqueminot, bright crimson	2.00	14.00		
Gen. Washington, crimson scarlet	2.00	14.00		
Gruss an Teplitz, scarlet crimson	2.00	15.00	60	4.00
Hermosa, bright pink	2.00	15.00	60	4.00
Hugh Dickson, brilliant crimson	2.50	18.00		
John Hopper, rosy crimson	2.00	14.00		
J. B. Clark, intense scarlet	2.00	15.00		
Kais. Aug. Victoria, white	2.50	18.00	75	5.00
Killarney, choice pink	2.50	18.00	85	6.00
Grafted, doz., \$2.00; 100, \$15.00.				
Killarney, Double Pink			2.50	12.00
Grafted doz., \$3.00; 100, \$20.00.				
Killarney, White	3.00	22.00	1.00	7.00
Grafted, doz., \$2.00; 100, \$15.00.				
La France, bright satin pink	2.00	15.00		
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Asparagus plumosus, 2¼-in., \$2 per 100; \$18 per 1,000. Joseph H. Cunningham, Delaware, O.

Asparagus plumosus, \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus and Sprenger plants. W. H. Elliott, Brighton, Mass.

ASPIDISTRAS.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

AZALEAS.

Azaleas, Empress of India, 75c, \$1 and \$1.50 each. Van der Cruyssen, 75c, \$1 and \$1.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea Mollis, 12 to 15 ins., 25c each; 15 to 18 ins., 35c each. Storrs & Harrison Co., Painesville, O.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonias, Vernon, white and pink, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Rex begonia, assorted, 3-in., \$5 per 100. The Dinee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, bushes, 8 ins. high., 25c each; 12 ins., 35c; 18 ins., 50c; 24 ins., \$1. Globe, 18 ins. in diameter, \$2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood, Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Flske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Dreer's fancy leaved Caladums, standard vars., \$1.75 per doz.; \$12 per 100; \$100 per 1,000. Rare and new vars., \$2.25 per doz.; \$15 per 100; \$140 per 1,000. Mixed, \$1.50 per doz.; \$10 per 100. Recent introductions, \$3.50 per doz.; \$25 per 100. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Gladiolus—We offer all or any part, 25,000 Taconic, 25,000 Prize Mixture, containing nothing but choice named varieties, 10,000 Crawford's New America, 5,000 whites and lights and many others. Write for prices and get to know us. Mallory & Brown, Madison, Wis.

Gladioli bulbs. Extra choice mixture of Groff's Hybrids. Choice named varieties among lot, 1½ to 2¼-in., \$6.75 per 1,000; 80c per 100; 1 to 1½-in., \$3.50 per 1,000; 40c per 100; under 1-in., \$1.50 per 1,000; 25c per 100. Pearl G. Waltz, R. D. 24, Box 122, South Akron, Ohio.

Bulbs, Lillium Harrisii, 7-9, \$17 per case of 250 bulbs. White hyacinths, 12-15 ctms., \$18 per 1,000. Paper White Grandi, Narcissus, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lillium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Bulbs, Lillium giganteum, 7-9, \$65 per 1,000. L. Auratum, 8-9, \$52.50 per 1,000; 9-11, \$90. L. Album, 8-9, \$95 per 1,000; 9-11, \$120. L. Rubrum, 9-11, \$80 per 1,000. L. Melpomene, 9-11, \$85 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lilies. E. S. Miller, Wading River, N. Y.

Gladiolus, Mrs. Francis King, 2nd size, \$12 per 1,000; 3rd size, \$8; 4th size, \$6. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Bulbs, hyacinths, tulips, narcissus, crocus, spiraea, gladiolus, peonies, etc. Van Zanten Bros., Hillegom, Holland.

Bulbs, begonias and gloxinias. For varieties and prices see advertisement elsewhere in this issue. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, begonias and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

Bulbs. Surplus of L. Multiflorum, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Gladioli, Groff's hybrids, etc. Geo. S. Woodruff, Independence, Iowa.

Japanese lily bulbs. S. Miyake & Co., 1020 Main St., Seattle, Wash.

Bulbs. Currier Bulbs Co., Seabright, Calif.

Bulbs. M. J. Guldemond, Lisse, Holland.

CANNAS.

Cannas, selected, plump, sound, 2, 3 and 4 eye pieces. Allemannia, Austria, Burbank, \$11.50 per 1,000. Alsce, A. Bonvier, Chas. Henderson, Chicago, Louisiana, Mlle. Berat, Musaeolia, Pres. McKinley, J. D. Eisele, Wm. Boffinger, \$15 per 1,000. Crimson Bedder, Egandale, Florence Vaughan, Louis Luray, Pres. Cleveland, \$18 per 1,000. Beaute Pottevine, Black Prince, Buttercup, Brandywine, D. Harum, Mme. Crozy, Martha Washington, N. S. de Ant. Crozy, West Grove, Wyoming, \$20 per 1,000. Hiawatha, King Humbert, Sam Trelise, Venus, Multiflora, \$25 per 1,000, and for 80 more kinds ask for price list. Shellroad Greenhouses, Grange, Baltimore, Md.

CANNA ROOTS, strong divisions, two or more eyes, Allemannia, America, Austria, Coronet, Chas. Henderson, Indiana, Partenope, Wyoming, King of Bronze, Musaeolia and Black Beauty. Write for special prices. We are now contracting for the growing of cannas for 1913 delivery. ALPHA ORCHARDS AND NURSERY CO., Box 6, Fruitdale, Ala.

CANNAS. Select, 2 to 4 eye tubers, Beaute Pottevine, David Harum, Pres. Cleveland, Flamingo, \$2 per 100. Paul Marqnat, Clunabar, Mrs. G. Stroblen, \$1.50 per 100. Robusta, Sec. Chabanne, \$1 per 100. Mixed, fine assortment, 75c per 100. Wagner Park Conservatories, Sidney, O.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crimson Bedder, Chas. Henderson, David Harum, Allemannia, Shendoan, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

Cannas, Chicago, Egandale, Chas. Henderson, \$2.50 per 100; \$20 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Cannas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Cannas, 10 best vars., from \$15 per 1,000 up; also 10,000 King Humberts. W. W. Coles, Kokomo, Ind.

Cannas. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Cannas, Chas. Henderson, 2 to 3 eyes, \$2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

Strong, Well Rooted Cuttings.

Table with columns for variety names and prices. Includes Washington, White Wonder, Gloriosa, Pink Delight, Bonine, Christmas Cheer, Princess Charming, White Enchantress, White Perfection, Victory, Scarlet Glow, Afterglow, Rose Pink Enchantress, Dorothy Gordon, Enchantress, May Day.

CHICAGO CARNATION CO.

A. T. Pyfer, Mgr. 30 E. Randolph St., Chicago.

CARNATIONS.

CARNATION ROOTED CUTTINGS.

Best cuttings obtainable, from strong, vigorous plants.

Table with columns for variety names and prices. Includes Rose-pink Enchantress, White Enchantress, Enchantress, Lawson-Enchantress, White Perfection, Sangamo, Victory.

(2 and 2 1/2-in. pot plants, on application.)

Roif Zetitz, Lima, Ohio.

FINE CARNATION CUTTINGS.

Table with columns for variety names and prices. Includes Victory, Winsor, White Lawson, Pink Lawson, Washington, Enchantress.

WILET BROTHERS,

162 N. Wahash Ave., Chicago.

Carnations, strong rooted stem cuttings, Washington, \$5 per 100. Winsor, \$15 per 1,000. Having no room we are offering about 40,000 Victories and White Perfection, first-class cuttings at the price of \$13 per 1,000, 100 at 1,000 rate. Cash or references. Northwestern Floral Co., Gross Point, Ill.

Carnations, Gloriosa, Norwood, \$6 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Perfection, \$3.50 per 100; \$30 per 1,000. White Enchantress, Enchantress Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y. Chas. H. Totty, Madison, N. J.

Carnations, Rosette, \$12 per 100; \$100 per 1,000. Scarlet Glow, White Perfection, \$3 per 100; \$25 per 1,000. Bonine, \$6 per 100; \$50 per 1,000. Rose P. Enchantress, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., LaFayette, Ind.

Carnations, Washington, \$8 per 100; \$50 per 1,000; Mrs. O. W. Ward, \$3 per 100; \$25 per 1,000; Beacon, \$3 per 100; \$25 per 1,000; White Enchantress, \$3 per 100; \$25 per 1,000; May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. O. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000; White Wonder, \$8 per 100; \$50 per 1,000. Smith & Gannett, Geneva, N. Y.

Carnations, Beacon, White Enchantress, \$2.50 per 100; \$20 per 1,000. Rose Pink Enchantress, Enchantress White Perfection, \$2 per 100; \$17.50 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Carnation Benora, \$12 per 100; \$100 per 1,000. Peter Flaher, Ellis, Mass.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, Early Snow, Estelle, Golden Glow, Pacific, Supreme, Bonaffon, J. Nonin, Nagoya, rooted cuttings, \$1 per 100. Edward Wallis, Atco, N. J.

CHRYSANTHEMUMS.

March 1st delivery.

Table with columns for variety names and prices. Includes Crimson, Pickett's Crimson, Intensity, White, Alice Byron, Tonset, October Frost, Yellow, Crocus, Golden Glow, Halliday, Maj. Bonaffon, Pink, Pacific Supreme, J. D. THOMPSON CARNATION CO., JOLIET, ILL.

Chrysanthemums, strong, well rooted cool grown cuttings, 200 to 300 each of Nonin, Tonset, T. Eaton, White and Yellow Bonaffon, Dr. Euguehard, 75c per 100. J. Lochrer, Florist, Boone, Iowa.

Chrysanthemum, 2-in. pots, Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, \$7 per 100. Eli Crose, Grand Rapids, Mich.

Chrysanthemums, Enguehard, Bonaffon, Nonin, \$2 per 100; \$17.50 per 1,000. A. M. Herr, Lancaster, Pa.

Chrysanthemums, Mary Colladay, 35c each; \$4 per doz.; \$25 per 100. The Strafford Flower Farm, Strafford, Pa.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, Chadwick, Supreme, Roman Gold and Smith's Advance. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemum Maximum perfectum (Improved Shasta daisy), seedlings, \$5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Hardy Chrysanthemums, 2-in., \$2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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

CINERARIAS.

Cinerarias, the largest flowering grown, fine 3-in., \$3.50 per 100. J. W. Miller, Shiremanstown, Pa.

CLEMATIS.

Clematis paniculata, strong plants from 4-in. pots, two-year-old, \$10 per 100; plants from open ground, \$6 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, Brillantissima, 2-in., \$3 per 100; 3-in., \$4. G. Bedder, Verschaffeltii, Queen Victoria, 2-in., \$2; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, 2-in., Pfister, Beckwith's Gem, G. Bedder, Verschaffeltii, \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus, Verschaffeltii and G. Bedder, \$6 per 1,000; standard assorted, \$6. A. M. Herr, Lancaster, Pa.

Coleus, 70c per 100; \$6 per 1,000. S. D. Brant, Clay Center, Kans.

Coleus. A. N. Pierson, Inc., Cromwell, Conn.

CROTONS.

Crotons, Aurea maculata, 3-in., \$8 per 100. Storrs & Harrison Co., Painesville, O.

CYPERUS.

Cyperus, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Out blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamsstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, a choice list of best novelties and varieties for cutting or garden use. True to name. Send for catalog of dahlias, hollyhocks, hardy plants, etc. Prices reasonable. W. W. Willmore, Box 382, Denver, Colo.

Dahlias. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlias, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, new and standard varieties. Bassett & Weller, Hammonont, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

Daisies, Giant Paris, from 2 1/2-in. pots, \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Daisies, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

Marguerites, yellow, cuttings, \$6 per 1,000; \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DEUTZIAS.

Deutzia gracilis, 20c each; \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracena indivisa, 2-in., \$3 per 100; \$25 per 1,000; 7-in., \$1.25 each; \$15 per doz. Dracena Massangeana, \$1.25 each; 7-in., \$1.50 each. Dracena terminalis, 4-in., 35c each; \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., \$15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracena indivisa, 3-in. pots, \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emman, Newton, N. J.

FERNS.

Ferns, Boston, 2-in., \$3 per 100; \$25 per 1,000; 3-in., \$1 per doz.; \$8 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; \$45 per 100; 7-in., 70c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz.; 10-in., \$2.50 each; 12-in., \$3.50 to \$5 each. Boston fern baskets, \$1, \$1.50 and \$2 each. Assorted ferns for dishes, 2-in., 40c per doz.; \$3 per 100; \$25 per 1,000. Cibotium, 7-in., \$2.50 each; \$30 per doz.; 8-in., \$3 each; \$36 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes, Pteris Mayl, Wilsoni, Winsetti and Alba lineata, 2 1/2-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 3-in. Pteris Wilsoni and Winsetti, 85c per doz.; \$6 per 100. Vaughn's Seed Store, Chicago and New York.

ROOSEVELT FERN is a winner. We offer 2 1/2-in., \$2 per doz.; \$15 per 100; 3-in., \$2.50 per doz.; \$17.50 per 100. F. O. B. here. THE CONARD & JONES CO., West Grove, Pa.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000. Ferns, atrang plants, 2-in., \$3 per 100; \$25 per 1,000. Adiantum Farleyense, strong plants, 4-in., \$4 per doz. Cash please. Rober & Radke, Maywood, Ill.

Ferns, 5-in., \$3.25 per doz.; \$25 per 100; 2 1/2-in., \$5 per 100. Superbissima, 2 1/2-in., \$8 per 100. Whitman, 5-in., \$30 per 100. These are all first-class, clean full pot-grown plants. Superior Nursery Co., 59th St. and Compton Ave., Los Angeles, Calif.

Ferns, Amerpohl, Barrowell, Scotti, Elegantisima, Boston, Jackson, Sword and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dinges & Conard Co., West Grove, Pa.

Ferns, Boston, Whitman, Scholzell, Scotti, 4-in. pots, \$2 per doz.; 5-in. pots, \$3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. B. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns, 4-in., \$12 per 100, Boston, Barrows, Elegantisima. Also 2 1/2-in., Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emman, Newton, N. J.

Ferns for dishes, assorted, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Hoblink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, large double white, \$1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus Repens, 2 1/2-in., \$4 per 100; 4-in., \$10 per 100. These are extra strong and ready to ship. Superior Nursery Co., 59th St. and Compton Ave., Los Angeles, Calif.

Ficus elastica, 0-in., 50c each; \$6 per doz. Ficus ripens, 2 1/2-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, \$25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

S. A. NUTT.
Strong select top cuttings, well rooted, \$1.50 per 100; \$14 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, Ricard and Pottevine, \$14 per 1,000. S. A. Nutt, \$11.50. A. M. Herr, Lancaster, Pa.

Geraniums.—For varieties and prices see advertisement on front cover of this issue. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Nutt, Buchner, Ricard, Perkins, Pottevine, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, assorted, large proportion Nutt, Richard Doyle, rooted cuttings, \$1 per 100. Edward Wallis, Atce, N. J.

Geranium, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens of all kinds. For prices see advertisement elsewhere in this issue. J. H. Von Canon & Co., Banners Elk, N. O.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, wild smlax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smlax. Caldwell The Woodsman Co., Evergreen, Ala.

Wild smlax and leucothoe. Louisville Floral Co., Louisville, Ala.

Greens. Henry M. Robinson & Co., 46 W. 26th St., New York.

HARDY PLANTS.

Herbaceous plants. Boblink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

HOLLYHOCKS.—A fancy mixture of the Allegheny strain. Pure, clean seed, \$4 per lb. Why not grow your own plants? W. W. Wilmore, Box 382, Denver, Colo.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 2-in., \$2 per 100; 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago.

Heliotrope, Albert De Lanx, Chleffain, Mme. Bruant, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

Heliotrope, 80c per 100; \$7 per 1,000. S. D. Brant, Clay Center, Kans.

HYDRANGEAS.

Hydrangea Otaksa, 6-7 inch, 3 to 4 flowering stems, \$5 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Parlor Ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English Ivy, 2-in., \$2 per 100; 3-in., \$3. H. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivica, German, 00c; Eng., 75c; prepaid. Chas. Frost, Kenilworth, N. J.

English Ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantana, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantana, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilaea, M. Legraye, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the Valley, Chicago Market Brand, \$2 per 100; \$17 per 1,000. Florista's Money Maker, \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3038-42 W. Madison St., Chicago.

LOBELIAS.

Lobellia Kathleen Mallard, rooted cuttings, \$6 per 1,000; 2-in., \$3 per 100; \$25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Althea,	Hydrangeas,	Privet,
Barberries,	Philadelphua,	Spiraeas,
Dentzias,	Forsythias,	Weigelas,
	Viburnums,	

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

900 White Snowberry, 2 1/2 to 3 1/2 feet, \$6 per 100. 1,500 Golden Willow, 3 to 4 feet, \$5 per 100. 800 Backhorn, 4 to 5 feet, \$6 per 100. 1,900 Spirea Van Houttei, 2 1/2 to 3 1/2 feet, \$6 per 100. HENRY LAKE SONS CO., Nurserymen, Black River Falls, Wis.

Japan Maple, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya and Laelia anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$1.50 per doz. Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

KENTIA BELMOREANA, 2 1/2-in. pots, 10-15 inches tall, four or more characterized leaves, \$9 per 100 and worth the money. Jackson & Perkins Co., Newark, New York.

Palma. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock Co., Wyncote, Pa.

Palma. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palma. McHutchison & Co., 17 Murray St., New York.

PANSIES.

SOMETHING NEW, something different from our gardens, the PANSY WONDERLAND. New color. Plate catalogue ready in February tells all about "MASTODONS," the premier mixed strain of pansies. Plants per 100, 50c; per 1,000, \$5; seed, 1-12 oz., \$1; oz., \$9. STEEL'S MASTODON PANSY GARDENS, Fortland, Ore.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, galliardias, \$2.60 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, transp. seedlings, \$5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunia, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, dbl. mixed and white, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5 1/2 and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIMULAS.

Miller's Giant Obconica, average larger than silver dollars. Fine 3-inch, \$5 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

PRIVET.

200,000 Cal. Privet, 2-year, \$12 per 1,000; 4 to 6 branches and up; large stock Ampelopsis Veitchii, Clematis Paniculata, 1, 2 and 3-year-old; fine stock Hydrangeas, English Ivy, Shrubs, Vines, Dahlias and Cannas. Get my list; it will pay you. Benj. Connell, Florist, Merchantville, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendron, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 8 to 12 buds, 18 ins., 75c each; 12 to 14 buds, 24 ins., \$1 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 ins. named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

Rhododendrons, 75c, \$1 and \$1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROSES.

ROOTED CUTTINGS.

	100	1000
American Beauty	\$4.50	\$40.00
Richmond	2.00	15.00
Pink Killarney	3.00	25.00
White Killarney	2.50	20.00

RICHMOND BENCH PLANTS.
1 year old, \$6 per 100; \$50 per 1,000.
Satisfaction Guaranteed—Ready Now.

GEO. REINBERG, Chicago, Ill.
162 N. Wabash Ave.

ROSES. Send for complete list.

	Per 100
American Pillar, 3-year	\$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

THE CONARD & JONES CO.,
WEST GROVE, PA.

ROSES.—Fine healthy stock. White and Pluk Cochet, Souv. de P. Notting, Apricot, Clo. Souper, Grusa an Teplitz, Sunrise, Frans Deegan, Wellesley, Mrs. B. R. Cant and Climbing Souper, 2-in., \$3 per 100. Wagner Park Conservatories, Sidney, O.

ROSES. Own-root. My Maryland, Pink Killarney, White Killarney, Richmond, Perle, Bride and Brdesmaid, 2 1/2-in. pots, \$5 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Ramblers, hybrid tea, hybrid perpetuals, dwarf polyanthus, standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. M. Kester & Sons, Boskoop, Holland.

SALVIAS.

Salvia, rooted cuttings, Bonfire, Zurich, \$6 per 100; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Salvia, Bonfire, Zurich, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Salvia, 80c per 100; \$7 per 1,000. S. D. Brant, Clay Center, Kans.

Salvia. A. N. Pierson, Inc., Cromwell, Conn.

SEEDS.

High grade ASTER SEED grown by the aster specialists from carefully selected seed, in Oregon, the natural home of the aster. Giant Oregon Aster, white, shell pink, rose pink and purple, 1/8 oz., 40c; ounce, \$5. Vick's Mikado, Pink "Rochester," a beautiful lavender pink, 1/8 oz., 40c; ounce, \$3. Ask for descriptive circular. Herbert & Fleishauer, McMinnville, Oregon.

SOW NOW if you want them for early Spring sales.

Begonia Bedding Queen, finest pink	\$2.50	\$0.50
" Gracilis lumbosa, finest red	2.50	.50
" Triumph, finest white	.....	2.50 .50

O. V. Zangen, Hoboken, N. J.

Seeds, Specialties: Beet, carrot, sweet corn, peas, beans, onion sets, seed potatoes. S. D. Woodruff & Sons, Orange, Conn., and New York City.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, Asparagus plumosus banns, per 100 seeds, 60c; 250 seeds, \$1.25; 1,000 seeds, \$4; 5,000 seeds, \$3.75 per 1,000. Vaughan's Seed Store, Chicago and New York.

Seeds, chrysanthemum poppies new and Shirley, 1 pkt. each 50c. M. J. Schaar, Dansville, N. Y.

Seeds, pansy, 1,000 mixed, 25c; 1 oz., \$2.25. H. Wrede, Lunenburg, Germany.

Flower seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seeds, lawn grass. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Onion seed and onion sets. Schilder Bros., Chillicothe, Ohio.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, Watermelon and Muskmelon. J. Frank Corry, Enid, Okla.

Seeds, sunflower, \$3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds, butter for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

SMILAX.

Smilax, 3-in. pots, \$4 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spiraea Gladstone, \$3 per doz. Queen Alexandra, \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

STRAWBERRY PLANTS.

Full Bearing Strawberry Plants, best varieties. Catalogue free. Basil Perry, Cool Spring, Del.

TRADESCANTIA.

Tradescantia, variegated, 2-in., 40c per doz.; \$3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VERBENAS.

VERBENAS—Our selection of rooted cuttings, 75c per 100; \$6 per 1,000. Plants, 2 1/2-in., \$2.50 per 100; \$20 per 1,000. Purchaser's Selection, rooted cuttings, 90c per 100; \$8 per 1,000. Plants, \$3 per 100; \$25 per 1,000. NEW VARIETIES, cuttings, \$1 per 100; plants, \$4 per 100. J. L. DILLON, Bloomsburg, Pa.

Verbenas, 5 colors, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Verbenas, 60c per 100; \$5 per 1,000. S. D. Brant, Clay Center, Kans.

Lemon Verbenas, rooted cuttings, 75c per 100, prepaid. Chas. Frost, Kentworth, N. J.

Lemon Verbenas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

VINCAS.

Vinca variegated, exceptional strong pot-grown, we have too many, so will sacrifice to reduce stock, 2 1/4-in., 2c; 3-in., 5c; 5-in., 10c; the 5-in. are so very strong they would stand division of roots well; they are just right for shipping now; very heavy rooted with medium vines. Cash. The Thos. Chapman Floral Co., 801 West 6th Ave., Denver, Colo.

Vincas, 2-in., \$2.50 per 100; 3-in., \$5; 4-in., \$2 per doz.; \$15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca, new golden (minor aures), 3-in., \$2 per doz.; \$15 per 100. Wm. Tricker, Arlington, N. J.

TO EXCHANGE.

To Exchange—R. C. of Exchamstress, May Day, Scarlet Glow and White Perfection, also rose plants both field and pot grown, summer propagated, including such varieties as Lady Hillington, Ward and the Killarneys. Write for list, For 3 1/2, 4, 5 and 6-in. Boston, Whitman, Scott, Elgantissima or any other plume fern. Rosemont Gardens, Montgomery, Ala.

BOILERS.

Boilers, The Mousing-Furman; 200 sizes and styles. John C. Mousing Co., 902 Blackhawk St., Chicago.

Boilers, The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers, Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Boilers, self-feeding hot water boilers. S. Wilka Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Mousing Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schilla Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, 1 to 2-in. thick, random or specified widths, 10 to 16 feet. William-Kunny Mill and Lumber Co., Mound City, Ill.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Steel and iron work. Scully Steel and Iron Co., Chicago and New York.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest article for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

INSECTICIDES.

Insecticides, Apline, \$1 per quart; \$2.50 per gal. Fungic, 75c per quart; \$2 per gal. Apline Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, \$3 per bsg 100 lbs. The H. A. Stothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, \$1.50. Nikoteen Aphid Pink, \$8.50 per case of 12 paraffined boxes.

FERTILIZERS.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

Domoto plant food, 25c per package. North American Mercantile Co., San Francisco, Calif.

GREENHOUSE CONSTRUCTION.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Mousing Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caakey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MATS.

The cheapest and most practical hotbed and Cold Frame Mat on the market. Send for circular and price list. Watts Bros., Kerrmoor, Pa.

MISCELLANEOUS.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galeburg, Ill.

Tobacco stems. H. Munson, 1405 Wells St., Chicago.

Out flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Baskets, pansy and verbenas, 9 ins. long, 6 ins. wide, 3 ins. deep, per 1,000, \$9; 13 ins. long, 7 1/2 ins. wide, 4 ins. deep, \$15. Coles & Co., 109-111 Warren St., New York.

Folding Flower Boxes. For sizes and prices see advertisement elsewhere in this issue. A. A. Arnold, 16 to 22 S. Peoria St., Chicago.

Superior hanging baskets. E. G. Gillett, 151 E. 3rd St., Cincinnati, O.

Pipes, dues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hot-beds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Fruit baskets, pansy baskets, Veneer planting pots. Webster Basket Co., Webster, Monroe Co., N. Y.

Dennison's florists' tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Andrews cast iron vases. J. K. Andrews, Elgin, Ill.

Olmsted's Improved Reliable Mole Trap. L. H. Olmsted's Son, Hansbronck Heights, N. J.

Florists' Supplies. Henry M. Robinson & Co., 46 W. 26th St., New York.

Gold leaf letters and initials. American Importing Co., 219 South Dearborn St., Chicago.

Iron Reservoir Vases. Washington Iron Works, Buffalo, N. Y.

Olmsted's Improved Reliable Mole Trap. L. H. Olmsted Sons, Hasbrouck Heights, N. J.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots. J. A. Buser Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

SEEDLING TRANSPLANTER.

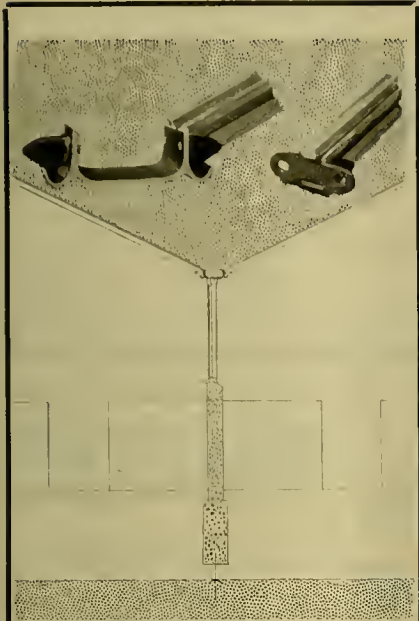
For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Gang Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$8; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c per 1,000, \$5. Vaughan's Seed Store, Chicago.

“ You Do Not Find What You Need in Our Ready Reference Department, Write Us About It ”

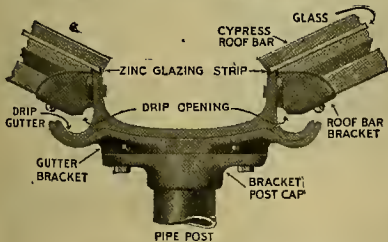


That Cast Iron Centre Gutter of Ours

WHAT you are looking for first and always in a gutter, is that it shall be large enough to carry off the water without backing up, freezing on your glass and breaking it; and also that it shall last.

This cast iron gutter of ours is that kind.

It is 2½ inches deep and 7½ inches broad. The iron is a high grade tough kind that stands the racket. It will outlast six to one any steel channel gutter that's made. Steel rusts out in a short time, so what's the use of putting your money in steel channel gutters? Write us and get our prices on this gutter or any information needed in regard to building and heating greenhouses.



Here is a full-on view, with all the parts named.

Hitchings & Company

General Offices and Factory:
ELIZABETH, N. J.

New York Office: 1170 Broadway.



for Hot-beds and Cold-frames

Double-Glass Double Profits

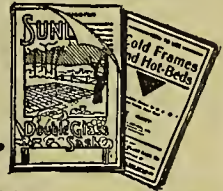
The old single layer hot-bed sash are far better than none; but they must be covered with mats, boards or shutters every evening and uncovered every morning. They are wasteful.

The new **SUNLIGHT DOUBLE GLASS SASH**, with two layers of glass enclosing an air space, are **COMPLETE IN THEMSELVES**. They eliminate all extra covers; they wipe out half the labor cost; they admit all the light by day to store warmth in the bed and then save the warmth at night.

They make plants earlier and stronger. They double final profits.

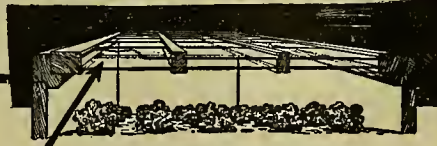
Every practical gardener or florist will see the value of this.

And it is good business for you to get our free catalog for full information. Write your address plainly and send it today; the hot-bed season is not far off. Prof. Massey's booklet on Hot-beds and Cold Frames sent for 4c in stamps.



Sunlight Double Glass Sash Co.

934 E. Broadway, Louisville, Ky.



The double layer of glass does it.

Write for these books today.

To Tell All the Good Points of Our Construction

in this advertisement are planning any tions, it will pay

is impossible. If you rebuilding or addi- you to write us.

TRUSSED
SASH BAR
AND
IRON FRAME
HOUSES



CONCRETE
BENCH MOULDS
AND
GREENHOUSE
APPLIANCES

GEO. M. GARLAND CO.

Lock Box S, Des Plaines, Ill.

MANUFACTURERS OF
The Gutter with a Reputation

Mention the American Florist when writing

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
L.D. Phone: Lincoln 410 and 411

Tell Them Where You Saw the Advertisement

Tobacco Paper "Nico-Fume" **LIQUID**
 IS THE **STRONGEST**
BEST PACKED
EASIEST APPLIED

Furnishes the
Most Nicotine for the Money!

OVER 40% NICOTINE
 By far the **CHEAPEST**
JUST NOTE PRICES

24 sheets.....\$ 0.75	Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.	Pint.....\$ 1.50
144 sheets..... 8.50		1/2 Gallon..... 5.50
288 sheets..... 8.50		Gallon..... 10.50
1728 sheets..... 85.10		5 Gallons..... 47.25

Aphine
The Insecticide that kills plant Lice of every species.

Grand Rapids, Mich., February 6, '12.
 THE APHINE MANUFACTURING CO.,
 Madison, N. J.:

Gentlemen: In reply to your letter of January 27th, will say that we have been using FUNGINE on lettuce for dry wilt, on roses for mildew, also on growing tomato plants. We are very much pleased with the success that we have had with it.

We use the APHINE for lice on lettuce, instead of — (a nicotine preparation) and other mixtures. We also find this to be very successful.

Kindly advise us if you put this up in barrel lots. If so, give us prices, as we will be using more and more of this FUNGINE as the season advances.

We will be glad to refer any of the Grand Rapids growers to these products.
 Yours very truly,
 GRAND RAPIDS GREENHOUSE CO.

FUNGINE
 For Sale by Seedsmen.
 Manufactured by
Aphine Manufacturing Company
 MADISON N. J.

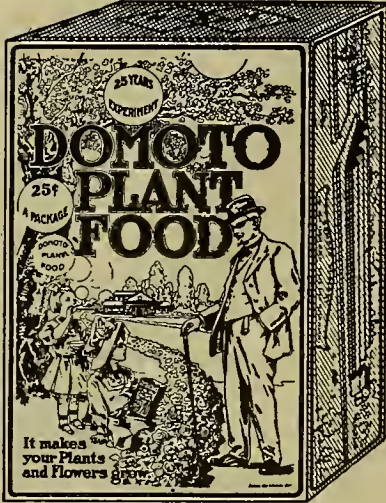
Mention the American Florist when writing

The Regan Printing House
 LARGE RUNS OF
CATALOGUES
 OUR SPECIALTY
 WRITE FOR FIGURES.
 527 Plymouth Place, CHICAGO

50% SAVED
Pipes, Flues
 and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.
ILLINOIS PIPE & MFG. CO.,
 2113 S. Jefferson St., CHICAGO
 Mention the American Florist when writing

Greenhouse Material and Sash
 Of Every Description.
 Get Our Prices and Catalogue.
S. Jacobs & Sons, Established 1871.
 1361-1383 Finning Ave. Brooklyn, N. Y.
 Mention the American Florist when writing

DOMOTO PLANT FOOD



What Is It?
 It Is a Vegetable Fertilizer.
 It is absolutely odorless.
For Potted Plants, Lawns and Gardens.
 25c per package.
 Distributors wanted in each state Write for particulars.
North American Mercantile Co.,
 SAN FRANCISCO, CAL.

318-320 Front Street.

NIKOTEEN
APHIS PUNK

The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. Full pint bottles, \$1.50.

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. **ALL SEEDSMEN.**

Prepared by THE NICOTINE MFG. CO.,
 St. Louis, Mo.

Cattle Manure in Bags
 Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure
 Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
 32 Union Stock Yards, Chicago
 Mention the American Florist when writing

THE BEST Bug Killer and Bloom Saver



For PROOF Write to
P. R. PALETHORPE COMPANY,
 Owensboro, Ky

EVANS' Improved Challenge Ventilating Apparatus



Write for Illustrated Catalog
Quaker City Machine Works,
 Richmond, Ind

green Flies and Black ones too
 are easy to kill with
The Fumigating Kind Tobacco Powder
 \$3.00 per bag 100 lbs.
 Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOFFHOFF CO., MOUNT VERNON, N. Y.

FIRST-CLASS Second Hand Boilers

Fully Guaranteed

Note the low prices quoted on these Boilers suitable for greenhouses. We would suggest ordering at once if you wish to take advantage.

- 2 42-in. x 10-ft. Kewance Fire Box Boilers\$150 00
 - 2 42-in. x 11½ ft. Kewance Fire Box Boilers 175 00
 - 1 54 in. x 12-ft. Hot Water Internally Fired Boiler..... 200 00
 - 1 54-in. x 12 ft Internal Fired Steam Boiler..... 225 00
 - 4 60-in. x 16-ft. Horizontal Tubular Boilers Each 275 00
- All kinds of first class second hand Boiler Tubes, Piping, Fittings, Valves, etc. Write for our latest Price List No. 47.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

Mention the American Florist when writing



MANUFACTURERS OF
Fruit Baskets
—AND—
Pansy Baskets

ALSO Veneer Planting Pots,

which are much stronger, better and cheaper than pasteboard pots.

Get our price before ordering elsewhere.

WEBSTER BASKET CO.,
Box 55, Webster, Monroe Co., N. Y.

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For Greenhouses

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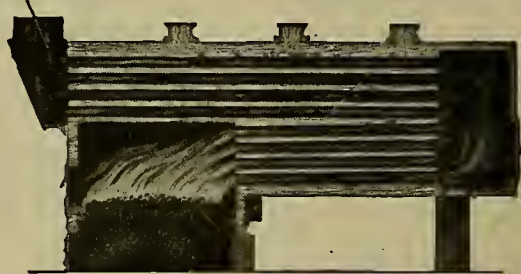
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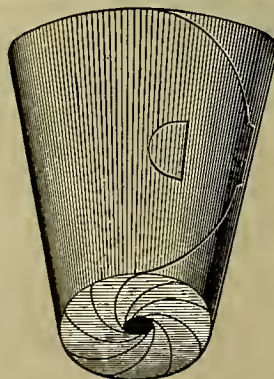
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CHICAGO AND NEW YORK, MARCH 2, 1912.

No. 1239

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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BUDDING KNIFE FREE

See Page 293.

SUGGESTIONS FOR PLANT GROWERS.

Seeds for March Sowing.

The middle of March is the proper time for the sowing of the main crop of summer annuals. The seedsmen have seen that the growers have the catalogues, and the lists of the wants for the year should be made out at once, if not already done, and the seeds procured and sown. How often have we seen good growers spending valuable time during the busy days of May and June hunting for some small stock that could have been easily grown, but was neglected at the proper time. It is a good time now to look back at the sales of the last year or two and note what lines of stock were in short supply or were carelessly omitted. Such matters as this are the little things that count in a successful business, for the time taken in hunting up and procuring the cheaper kinds of stock during the busy season more than eats up all the profit received in handling it. The seeds that should be sown now are almost endless in variety, and they include asters, Phlox Drummondii, zinnias, marigolds, balsams, antirrhinums, begonias, calendula, celosias, cobæas, cosmos, gauras, mignonette, nicotianas, nasturtiums, petunias, salpiglossis, ricinus, salvias, scabiosa, stocks, thunbergias and others that may be demanded. With the exception of Cobæa scandens, mignonette and ricinus, which should be sown in pots, these can all be sown in flats and as soon as large enough transplanted to pots or spaced in flats, and good stock be had for summer bedding.

Spireas.

The spireas for Easter should now be throwing up the spikes of bloom from the foliage and will be in a good light location. While these plants are always regarded as one of the cheaper plants for Easter, and will not return enough for space occupied in a warm house, still there will always be a demand for them, especially for church decorations, and if they are not forward enough will have to be given a warm location to have them in bloom. They are rather slow in coming into

flower, so will have to be well timed to have them in the best of condition. This plant requires plenty of water, no matter where grown, and in a warm house will need frequent waterings. Keep the plants well spaced out as they grow, for where crowded, poorly shaped plants and bad foliage is often the result and it is the glossy foliage of this plant that is greatly admired. Do not fumigate with tobacco smoke when the foliage is young, for it quickly burns the tender leaves, and if they are in a house that requires fumigation remove them or cover closely with papers. Spraying with nicotine solutions or fumigating with nicotine papers will not injure them.

Geraniums.

At the approach of spring the geraniums and other bedding stock will make rapid growth and from those which are large enough a top cutting may be taken now. While these cuttings will not make good sized plants for bedding out yet they can be grown on for stock plants for another year. It is time now to take account of the stock on hand and look over the amount that has been required in the past and if it is found that there will be a probable shortage of any varieties procure them at once. They can be obtained at this time, either small plants or rooted cuttings, at low prices. Many growers lose every year by putting off their buying too late when the prices have advanced to such a figure that there is no profit in handling them. It is seldom that one who has much bedding to do has geraniums enough especially of S. A. Nutt or Alphonse Ricard, and this is the time to procure the stock, and if a grower has any room to spare it is good business to stock up with these varieties, for there is a guaranteed sale for all well grown plants in May. The plants that are now in 3-inch pots will require going over often and spacing out, that a well grown stocky plant may be had. If crowded now a tall, weak, spindly plant is too often the result, and when grown in this way are neither fit to make a good showing in the bed when planted

nor will they bring proper returns for the labor expended or the room occupied in their culture.

Tuberous Begonias.

For certain shady locations there is no plant that makes a better showing than tuberous begonias, and for the florist that has a greenhouse leading from the office, they make a most beautiful plant to have during the summer months to attract the attention of the customer at a time when greenhouses are not at their best. The bulbs should be started in 3-inch pots in a good fibrous soil with little manure, but a generous proportion of leaf mold if obtainable, the top of the bulb just even with the soil. Place them in a warm location and do not water too heavily until leaf growth starts; as soon as the leaves cover the pot transplant to 4-inch pots and the soil can then have a good amount of rotted manure incorporated in it. For bedding out purposes the 4-inch plants will be all right, but for inside growing they will have to be again shifted into 6-inch pots, being sure to give good drainage. An inch or more of broken crocks and charcoal is the practice of the best growers. Careful watering and shade during summer is all that is required.

Azalea Mollis.

One of the showy plants grown for Easter is the Azalea mollis, for the flowers are of those peculiar shades of red, yellow and orange that are not found in other plants. They can be forced very quickly, for the plants have stored up nutriment enough to produce their flowers, and they make but little foliage and but few roots. Three weeks in a temperature of 60° will bring them into bloom at this season, but the flowers will be of better substance and color if the plants are grown a little cooler and given more time. Careful handling of the plants is necessary for the buds are very brittle and easily broken off. Pot firmly in a pot just large enough to take the clump of roots, and water heavily. Frequent spraying until the flowers show color will be required, and when the blooms unfold, the bright coloring is better held and intensified, by moving the plants into a cool temperature and the watering reduced.

DULUTH, MINN.—The Duluth Floral Co. has a very finely arranged store at 121 West Superior street, conducted by Edward P. Kreimer and Oliver J. Eischen.

CAMBRIDGE, MASS.—Thomas M. Nash, a florist of 341 Columbia street, has been awarded a silver medal and button by the Massachusetts Humane Society for rescuing a drowning man last June.

SACO, ME.—The Saco Floral Co. has purchased the florist business of George L. Mahoney & Co. and Frank L. Banigan is manager for the new concern. The old firm will continue the ornamental shrubbery, evergreen trees and nursery lines.

COLUMBUS, O.—The centennial commission and Flower and Garden Club are making preparations to plant all the vacant lots for the centennial. The Fifth Avenue Floral Co. has donated 5,000 salvias to be sent to any part of the city for beautification purposes.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Floral Wreath.

Of all the designs made upon a frame by florists, the wreath has always had the largest demand, and in the hands of the best floral artists today, it is modified so much that they seldom make two alike, and it would be a revelation to the florists of 25 years ago to see to what the present design has been developed from the set, compact work of that time by the artistic worker of the present. The up-to-date designer of today will diverge from the frame to make his work artistic, especially in the background, allowing the flowers to show the form. The wreath which we illustrate was arranged by George M. Geraghty, manager of Dunlop's, Toronto, Ont., Can., and is a fitting example of the best work of the present time. It is made of red roses, gladioli and swainsona, the gladioli being arranged in spray form on one side of the wreath and the swainsona being mingled with the dark red roses to lighten any solid appearance which these might give. The breaking of the wreath with the cypas and sprays of Asparagus Sprengeri is a very artistic feature, the cypas leaves being extended at liberty, taking away much of the set form which so often is to be seen.

These arrangements immediately attract the eye by their boldness, and the materials must be handled properly to maintain the proper balance, but in the hands of the true artist startling effects are possible and they add materially to the capabilities of flowers in beautiful work. A study of this kind of floral designing is the duty of all in the trade, for it enables one to present the beautiful products of nature in a natural and artistic manner.

The Chicago Retail Stores.

The first week of Lent is generally marked by a falling off in the flower trade, for with many of the flower buyers social functions have, for the time being, ceased, and with many who do not observe Lent it is taken as a season of rest from the strenuous duties which the social season has demanded. Consequently with all the best stores there is a noticeable decrease in the calls for decorations and receptions for a short time, but this is often compensated for in remembrances and home decorations. The trade has generally enjoyed a splendid patronage since the holidays, there having been many elaborate decorations of which each of the dealers has had his share, and the St. Valentine's day business was in excess of any other year. The supply of flowers has been very good, the only shortage experienced being roses and these, although some little difficulty was experienced at times in procuring just what was desired and the prices were also rather high, yet there was a great improvement over the preceding year. The quality has, however, been exceptionally good. The large number of orchids obtainable has added considerably to the attractiveness of the stores and the window displays and they have been used in large numbers in the best work. The stores just at this

time are very beautiful, the large amount of bulb stock making a great showing both in cut flowers and in pots and boxes, so that these with the finely grown plants which are shown make very attractive displays.

The Fleischman Floral Co. have been celebrating their twelfth anniversary the last week, and the beautiful store has had an extraordinarily attractive display of all the best that the market affords. A splendidly grown lot of plants were advantageously arranged and fine specimens were noted of azaleas, spireas, flowering almonds, marguerites, genistas, and the display of hyacinths, tulips and narcissi in pans and boxes beautifully decorated with papers and covers were productive of many "Ohs" and "Ahs" from the patrons as they entered the store. The pots of lily of the valley which they had were as finely grown as it was ever our pleasure to see, and they were very beautifully decorated. There was also a splendid assortment of cut flowers of all the seasonable offerings. The anniversary was extensively advertised and many bargains were offered their patrons and the public who took advantage of the sale and the magnificent display.

The Bohannon Floral Co. has enjoyed a very prosperous season, in fact, Mr. Bohannon says one of the best. This firm has for its patronage some of the best trade in the city, and there is always on hand a fine assortment of the choicest of flowers. An order received lately was for a wreath 54 inches across that was to accompany a body to Denmark, and among the orders received this week were two elaborate casket covers which with the other demands made a very busy week.

A. Lange has had a very busy season and even during this time when many are telling of light business the large force are very busily employed until late hours. Mr. Lange has made a great success of the one dollar box of cut flowers, for he not only places before his customers one but six assortments all made up for delivery, and he furnishes a varied choice. The box last week contained carnations, American Beauties, Richmond and other roses, sweet peas, daffodils and jonquils, and these are so nicely arranged that they are very seductive to the buyers.

Canger & Gormley report a nice seasonable trade; they have had many decorations and receptions, beside a large number of orders for flowers for the more solemn occasions. A very attractive window is always to be seen at the store on North State street and a fine patronage is the possession of the store.

John Mangel's attractive windows always contain a fine assortment of the choicest flowers and transient trade is always attracted by the beautiful displays. Dinner, reception and some very large wedding decorations have been arranged this season. Preparations for removal are now in progress and much of the proprietor's time is being spent in fitting up the new store.

H. C. Rowe is now firmly established in his new store and the fittings are all in his best taste. The window is particularly attractive in its arrangement and always contains some special feature in the seasonable stock

FLORAL WREATH.



which catches the attention of not only the transient buyers but also his large patronage.

John Muir's store on Michigan avenue has a very brilliant showing of bulbous stock grown in pans and boxes which are artistically ornamented with fancy pot covers and papers. Trade is reported as very satisfactory and many parties and receptions have been decorated and elaborate designs executed.

W. J. Smyth has enjoyed a very busy season and the beautiful store always contains all of the choicest flowers of the season and a stock of accessories that is thoroughly up-to-date. A line of terra cotta ware now occupies a prominent position and attracts attention. A large reception at which the decorations were elaborate was looked after this week, notwithstanding the lenten season.

C. A. Samuelson's window was beautifully arranged this week, the showing of plants beautifully decorated was particularly attractive, and some splendidly grown stock was displayed. Mr. Samuelson by his fine work and arrangements has succeeded in building up and holding some of the best trade of the city and his distinctive work has secured him a high place in the city's floral work.

Disease of Sweet Peas and Other Plants.

Under this heading G. Masee in the last issue of the Kew Bulletin deals with the disease that has become so closely associated with the sweet pea in recent years. Apparently the disease, *Thielavia basicola*, does not limit its attentions to the sweet pea, but will also attack asters, orchids and various other cultivated plants, more especially during the seedling stage. So far as the sweet pea is concerned, it is well known how very conflicting and confusing are the opinions of expert growers, a fact that was fully borne out in a recent conference held under the auspices of the National Sweet Pea Society. Mr. Masee states that it is practically impossible to cure a plant once it is attacked, and that the infection of a new area is in the majority of instances due to the use of manure, on which material the fungus flourishes and reproduces itself at a rapid rate. Commercial formalin (equal four per cent formaldehyde) is recommended as a most effective fungicide for sterilizing infected soil. When green manure is dug into land intended for seed-beds, it is advised that it should previously be thoroughly watered with formalin as above.

FREMONT, NEB. — Greene's Greenhouses made seven entries at the State Horticultural show at Lincoln and won five firsts and two thirds. Four of the first prizes were for carnations and one for roses. C. H. Green reports business as very good with the supply of flowers about equal to the demand. The weather has been very severe, the thermometer registering 31° below zero.

NEW HAVEN, CONN.—At the regular February meeting of the New Haven Horticultural Society the following officers were elected: James Kydd, president; H. P. Brooks, vice-president; Fred H. Wirtz, secretary; David Kydd, treasurer; John Anderson, Robert Paton, John Becking, John Hollorran, Hubert Grove, William Black, board of managers.

FLORISTS' FERNS.

Cultural Notes.

During the short days of winter there is but little that may be done in the way of repotting among the ferns, from the fact that ferns make but little growth at this season, and while the roots are comparatively inactive it does not pay to shift the plants into larger pots.

The nephrolepis family will continue to grow about as late as any of the ordinary trade species of ferns, but even these do not respond very readily when their roots are disturbed in December or January, and the chief things to be careful about in the culture of ferns of this class at this season are the routine matters of airing, watering and spacing out the plants from time to time. As much ventilation as the weather will permit in order to avoid condensation of moisture on the foliage, careful watering, especially in those dry corners of the benches that are likely to be found in any greenhouse where strong firing is needed to keep up a proper temperature, and as little water over the foliage as possible, are some of the cultural items that the careful grower will keep in mind. Syringing overhead is sometimes beneficial in hot, dry weather, but at this season the nephrolepis are better off without it. And in watering it will be found that those plants that have been repotted late in the season will not take up the quantity of water that the well-established stock will dispose of, and once the soil gets soured there is not much chance to make good plants from the stock.

That small brown scale insect, the young of which are whitish and very small, is by far the most troublesome pest the grower of Boston ferns has to contend with, and during the winter this insect seems to spread just about as rapidly as in warmer weather, usually appearing in colonies on the under side of the fronds, and soon causing light colored spots to show on the foliage. If any such discolorations of the leaves are noted, the plants should be carefully looked over, and all affected fronds cut off and burned, the stems being cut off close to the ground, for the insects often congregate on the stems as well as on the leaflets. This is a widespread pest, and is often overlooked until the plants become so infested that they are ruined, either for sale or for stock, and while the spread of the insect may be checked in a measure by the use of nicotine solution, yet it is no easy matter to get rid of it entirely. Thrips sometimes appear in the fern houses, and these also are not easy to dispose of, but an occasional fumigating with some nicotine paper will keep them down, and will do no harm to the ferns.

Adiantum Farleyense is still among the trade ferns, and doubtless will continue to be, at least until the Moor-drecht fern becomes more plentiful, but at this season *Farleyense* is not growing very rapidly, and under no consideration should it have its roots disturbed during the winter, for should any such disturbance take place the plants are almost sure to go wrong. And it should also be remembered that *Adiantum Farleyense* does not like exposure to drafts or low temperature, a night temperature of 60° to 65° being most suitable for this fern.

Cibotium Schiedei has well earned



PHŒNIX ROEBELENI AT VAUGHAN'S GREENHOUSES, WESTERN SPRINGS, ILL.



CATTLEYA TRIANÆ.

A Single Specimen Plant (Not Made Up) at Wm. Haerle's El Reah Nurseries, Hollywood, Calif.

its place among commercial ferns, for there are few plants more graceful than this species, and there are also few that stand the dry atmosphere of a store or dwelling so well as the fern in question. But in common with the majority of the arborescent ferns this *Cibotium* (or *Dicksonia* as it is now known) does not make much growth in winter, its period of most active growth being the late summer and early autumn, at which time it increases in size very rapidly. A temperature of 60° at night will answer for this fern, and when growing in a light greenhouse, as it should be, the plants will take a liberal allowance of water the year around.

Some nicely grown plants of *Pteris tremula* are again seen in some of the florists' stores, these ferns being offered in four, five and six-inch pots, and as a change from the ever-present *nephrolepis*, such plants sell readily. There are, however, several different forms of *Pteris tremula*, some being much more compact in growth than others, and consequently better adapted for pot specimens, and it is an advantage to pot up two or three of the seedling plants together rather than to separate them singly, and to get the best results the plants should be given sufficient space and light to allow of their full and symmetrical development. In short, if one wants to produce good ferns, they, too, need some attention, and while there is frequently a glut of ferns of poor quality in some markets, yet there is still an unsatisfied demand for good stock at fair prices.

W. H. TAPLIN.

MIDDLEBORO, MASS.—William H. Leland of Keene, N. H., has purchased property on Cherry street where he will erect a large greenhouse.

ORCHID NOTES.

Cattleya Trianæ.

Wherever orchids are grown commercially for cut flower purposes, it is safe to assume that there are more of *Cattleya Trianæ* than any other, not that it is better than any of the *C. labiata* section, but because it is a midwinter flowering plant, often seen in bloom at Christmas, and continuing to flower freely for at least two months. It is also one of the cheapest kinds, costing less per case to procure than any other, and is also very apt to furnish fine forms that have a value for the grower apart from the flower's market value. I have been told that it would not pay a man to go out collecting plants were it not for the fact that fine forms found in the Andes always have a ready market on his return, the natives who get the plants and bring them in know this full well, and have been known to take flowers that were of light shades, bleach them over the fumes of sulphur and produce white flowering plants which the novice gobbles up with avidity on the spot. It is also true that there are localities that produce none but poor forms, plants are plentiful there and easy to procure, but a poor *C. Trianæ* is very poor, costs just as much to grow as a good one, and is distressful at all times.

It would seem, looking backward, that we do not get the fine strains from importations that used to be obtained 20 years ago, this was my impression after seeing many hundred plants in bloom recently, and then a

few days afterwards was shown a set of flowers that were superb in every way; these were from another source of supply, proving that there are good orchids yet in Colombia for those who know where to go. The fascination of blooming for the first time newly imported plants is such that importers are kept busy and will be until all procurable plants will be collected, but the word procurable is an indefinite one, in the sense that if conditions of transportation were as good as they might be in Colombia, plants could be brought out to supply our needs for a generation to come, and in the meantime, seedlings will be raised from fine forms and sold as cheaply as the average imported plant costs the grower by the time it is established, counting in this same cost the fact that seedlings go on indefinitely increasing in vigor under intelligent treatment. In conversation recently with an expert grower as to the life of an imported *cattleya*, he put it at five years, without reservation. This was the first time the writer had heard it put so definitely and there is room for discussion, but while we know that certain forms go on for ever and can be increased by division, the majority of imported *cattleyas*, at least 90 per cent of them, are short-lived under our system of culture.

Under our system of handling *cattleyas* under glass, there are two ills that require pills to help the bills. Many have asked as to the temperature for *cattleyas* in winter, and the answer is, that of a carnation house both in winter and summer, giving air freely at all times, day and night, in the growing season, for it may be safely said that there is no need to

cut off the ventilation from May until November, and there is no reason why artificial heat should be applied during those six months except in the event of wet dull days in October when the *C. labiata*s are coming into bloom. This leads up to the other ill, which is a glut in the market, and the grower has to hold back his flowers waiting for the time when they can be sold at a profit. In the meantime the atmosphere has to be kept dry at a time when the plants are undergoing the great strain. If water is used the flowers will become spotted with mildew and unsalable, and owing to this dry treatment the bulbs shrink; it will take weeks to get them plump again and the growth following is not as strong as should be. Speaking of *cattleya* culture in a general way, there is not a day in the year when moisture should be withheld, and during the hot summer months this must be applied just as the sun goes down.

If the grower will observe *cattleya* roots that have grown outside the pots during summer, they are articulated, and each joint is the result of the drying up of the growing tip between each watering. This drying is not enough to stop the growth of the root, but does check proper growth and development of the plant. If water is applied overhead every evening after a hot day, the moisture will find its way down to the growing tips and these in the morning will be softened to such an extent that it will be evening before they will be dry and normal again if the atmosphere is kept moist in the usual way during the day. Everyone knows that there is a something that makes the difference between water out of a pipe and that which we get as rain. Some of our scientists can diagnose this, but it never seems to get into print except as we see it demonstrated by the Skinner system of out-door irrigation as compared with all others. We know that water that goes up and comes down as rain is good; this, however, cannot be accomplished in the greenhouse because it is a greenhouse, therefore a little something in the water for orchids has been considered, and found good. There is more of this done than is admitted or seen from the road, and it has been found that just enough to make the difference between pipe water and rain water has made it possible to grow *cattleyas* from the growing point the size of a pin-head, to occupying barrels cut in half, with bulbs over four feet long, so there must be something in it. Manure water, as such, should not be considered for a moment. When visiting recently perhaps the most up-to-date establishment, and its method of handling and using manure with water, it was found that, after all, no way of testing the strength of same was applied except the old one of color and smell, in other words, a given amount of solids and a known quantity of water with a certain time for cooking—result, an odor not to be denied and color that could not be improved upon even by suggestion when we saw the results obtained by its use. This system, however, is still empirical and not applicable to orchid culture.

Cookson we all knew as a great orchid fancier, by profession he was

an expert chemist, and one day he gave his grower some powders to be dissolved in water and applied to some plants known only to his grower. It is a matter of record that after a short time Mr. Cookson could pick out the plants so treated. Others had been experimenting in a roundabout way, but this drop of Cookson's crystallized the whole solution. His formula may be repeated here as given in the "Orchid Review," Vol. VII, p. 144: Three ounces potassium nitrate, two ounces ammonium phosphate, both dissolved in three gallons of water, one ounce of this liquid being added to each gallon of water applied to any orchids when making their growth or flowering.

The only exception that can be taken to the above is, that it should be applied all the time, and in the opinion of the writer there is no resting time here for a *cattleya*, the plants



Joseph W. Lawson.

Vice-President Nebraska State Florists' Society.

are all the time at work either getting ready to do something or recuperating therefrom. This theory works out well in practice. Figure out the contents of a storage tank, preferably in the house and filled with rain water, then add enough of the salts named and use a "Kinney Pump," an appliance to attach to the hose-bib costing 75 cents, and use the tank water with the regular hose pressure and water to dilute it on all *cattleyas* all the time. This has been done, and the results were surprising for a period extending over 10 years, certainly a fair trial and with no bad results.

It is reasonably fair to assume that we shall in time get to where it is unnecessary to import new plants every five years in the case of *C. Trianae*; we would not claim this to be true of *C. labiata* which has proven untractable after the loss of its native vigor, and as this is becoming harder to get in Brazil each season, owing to the thousands that have been exported. If we wish to keep our plants they must be studied carefully in the future; it would seem that as their resting period comes in the depth of winter, their

needs have not been properly supplied or cared for and deterioration is a natural result. These are the first to begin to grow, and the term resting must be considered advisedly, for, as before remarked, there is no rest and this may be the one thing we have not taken properly into consideration.

Cattleya Trianae has been most prolific in fine varieties, this may be explained partly by its geographical distribution which varies, and to the fact that we have known it for over 50 years. Good things come and go, and it is doubtful if a tenth of the forms named in the past are still to be found; they are duplicated, however, at intervals, as in the blue-lipped variety recently exhibited by Chas. Bond in Chicago, but until someone begins to raise these from seed we shall never see many at a time. Seedlings come true to a certain extent, there are always renegades as in other families, but there is also a measure of improvement that compensates for this, either in form or vigor or both. There is no more fascinating form of horticultural recreation than in orchid raising, and to the enthusiast the time taken to bloom the plants only adds zest by reason of anticipation. We saw this once well illustrated in the case of an artist who was a great orchid painter: he raised seeds in his studio and then painted the pictures of the flowers as they would look when they bloomed. For pure enthusiasm this is hard to beat, but a measure of it went into all his work and hence his success. All orchid growers need some of this same to accomplish good work.

Shading is necessary from the beginning of March onwards, a good deal depends on the season, but after St. Patrick's day there is always harm done to *cattleyas* by full exposure even if the house runs north and south, and if east and west it must be applied earlier. All the light possible is needed and a thin shade of white lead, thinned out with gasoline, may be put on early, and if necessary, later on in June put on another coat. These will gradually wear off before winter by the action of snow and rain, but a dry cloth will remove it at any time if so desired. Be careful that no oil is mixed with the lead or complications will ensue.

Just a word as to potting the plants. Use no moss, peat or leafsoil. Pot firm in *osmunda* root-fibre so that when the plants are lifted by the tops they do not come out of the pots; this will exclude the possibility of overwatering. When a plant must be repotted, soak it well a day or two before and the roots can all be separated from the pot without much injury. Repotting should always be done when the roots are not active, either before or after flowering, which means that most of it can be done in the winter months. If a plant gets sick shake it out the first time it is noticed, and recuperation is always more rapid if the plant is suspended. Orchids are long-suffering and hard to kill, and to be successful requires but the use of judgment and the observance of a few cardinal principles.

E. O. ORPET.

ROCKLAND, MASS.—William B. Arnold has made an assignment for the benefit of his creditors. The liabilities are about \$800 and the assets are stock and greenhouses.



HENRY A. DREER'S NEW AUTO TRUCK.

Henry A. Dreer's New Auto Truck.

The new Packard auto truck which Henry A. Dreer has just placed in commission, and which is herewith illustrated, is one of the largest and best auto trucks made. The firm has already found it a great convenience as it gives them the advantage of immediate and constant transportation facilities between the greenhouses and the Philadelphia establishment.

Ruggles Perfection Flue Cleaner.

There is nothing that impairs the heating capacity of a boiler more than dirty flues and one of the greatest losses of heat is caused by the accumulation of soot, scale and ashes in the flues of a boiler. The Scully Steel & Iron Co., Chicago and New York, have placed upon the market one of the best flue cleaners made. It is built on strictly mechanical lines and of the best material and is light, strong and simple. It has neither screws nor rivets in its construction and the knives are so made that they are always sharp and in direct contact with the metal of the flues and so constructed that they will override any imperfections. The heads and ends are of drop forged steel and it is the strongest cleaner made. It is easy to use and because of the long shearing cut of the knives runs easily through welded flues of the worst character. They have such confidence in this tool that it is sold on an absolute guarantee to do the work or the money will be refunded.

HOLYOKE, MASS.—George H. Sinclair made a large display of orchids in one of the down town stores during the latter part of January. He has a very fine collection of these plants embracing many rare specimens.

CLAYTON, MO.—The dwelling house of George Hecht caught fire and was totally destroyed February 9. With Mrs. Hecht he went to St. Louis in the morning and when they returned found the house in ruins. The loss is estimated at \$2,000, with some insurance.

THE VIOLET.

Violets in Spring.

As the warm sunny days of later February and March come on the violet plants will be producing flowers rapidly and much of the time of the grower will be taken up in picking and bunching the blooms, but the same constant care must be exercised in their culture as has been followed through the shorter and darker days. The plants must be continually gone over and all decaying foliage removed and the soil occasionally scratched over to keep it light so as to allow the air to get into it and keep it sweet. As the plants begin to grow more rapidly more water will be required, and as the temperature grows warmer in the houses, the conditions for aphids are more favorable, and these quickly spoil the flowers, and are very difficult to exterminate. Tobacco smoke is out of the question for it will not kill the insects that gather in the young crowns, and it simply spoils the flowers, for they quickly absorb the smoke and the delicious fragrance of the flower is gone. Hydrocyanic acid gas is the most efficacious, but spraying with nicotine or some other insecticide will keep them in check. All the ventilation possible should be given from now on.

The bright sun quickly fades the flowers and as the days grow warmer the blooms also grow smaller unless the plants are given some stimulant. The glass should be shaded as soon as it is seen to affect the color, and liquid manuring begun as soon as the flowers deteriorate in size. Some years ago a circumstance came under our notice which we made good use of in after years. We had had splendid violets all the winter but toward the first of April they grew small very rapidly and light in color. Near us was an estate on which a colored man was man of all work, and he had some twenty cold frames

in which were growing the finest violets we ever saw. His people being away he was desirous of obtaining a little extra money so he offered to sell us the flowers. Toward the middle of April an exceedingly warm week bleached them out badly and as he brought in the Saturday supply we looked them over and told him that we could not use any more. He wanted to know why and we told him the color was too light, and he immediately said, "I fix 'em, they be good color Monday." Sure enough Monday he brought them in as dark purple as they had been earlier in the season. We were only too glad to get them, but we said we would not buy unless he told us what he had done, so he took us up to his frames. Having no water pipe he was obliged to fasten the hose to the greenhouse some fifty feet away, but right beside the frames was the cesspool and into this, beside the waste from the house, came all the water that was used in washing, and he had dipped this water from the cesspool onto the soil in which the violets were growing, and in doing so had found it intensified the color in the violets. We have always kept our violets in good color until late in the season by the same method.

Propagation by cuttings can now be commenced, the runners are forming rapidly and they root easily in the propagating bed. A much better and stronger plant can be grown from cuttings rooted in March than from divisions made in April and May, and if stock enough is obtained in this manner, it will not be necessary to keep the old plants a day after they have become nonproductive, as is so often the case where the young stock is not taken off until it is time to throw the old plants out. This often happens to be in May when the days are warm and the young runners if they once get wilted in the propagation never make a good plant. The stock propagated now can be placed in flats as soon as rooted, quite close together,

and they will take but little room until they are planted in the benches or in the open field whichever way the grower may select. We have always found that we obtained a much better plant by early propagation and good subsequent culture than from division of the plants later in the season.

CHRYSANTHEMUMS

Pot Chrysanthemums.

The demand for plants for house decoration invariably comes early in the fall when the city residents return from their summer homes and while the greater demand is for the decorative plants, yet there are constant calls for plants in bloom, and there are but few greenhouse plants that can be had in bloom much before December. The pot plants of chrysanthemums fill a much needed want during November, and small well grown plants are not only in demand for this purpose, but also can be used in decoration for the many fall weddings, adding color and brightness to the banks of decorative plants.

The selection of varieties for this purpose will demand the first attention, and those that are naturally dwarf in habit, close jointed and with good strong foliage are the most desirable for pot culture. Many of the older varieties make the best plants, for those that have been introduced in later years have been grown with the main idea of obtaining a large flower, irrespective of its growth as a plant, yet some of the later sorts also make very nice plants. The pompons almost all make the growth most desired, and many of the anemones also are of good habit. There are many varieties that can be grown shapely, but require considerable attention both in culture and in staking in the fall, but plants for general use are those that naturally grow shapely and do not require much tying out. A few of the better varieties are: Garza white anemone; Miss Clay Frick, white large flower; President Roosevelt, blush; Beatrice May, white tinted pink; W. H. Lincoln, yellow; Crocus, yellow; Geo. W. Childs, red; Cullingfordii, red; Mispah, single pink, small; Wm. Duckham, pink; Mayor Weaver, pink; Louis Boehmer, light pink. These are all of easy culture and will not need any great amount of staking if properly grown.

The cuttings should be propagated in March or April, and as soon as rooted potted in 3-inch pots. They will have to be shifted very soon for they rapidly fill a small pot full of roots, and they should not be allowed to become pot-bound, or the wood will harden. As soon as the plants become established in the pot they should be pinched back to make them branch, the first pinching should be done as low as three inches from the pot. In doing this it is far better to just rub out the tip of the growth than to allow the plant to grow until pinching back into the hardened wood is necessary. This should be continued until August 1, each shoot being rubbed out when three or four leaves have formed, when all stopping should be discontinued, and it is better not

to pinch back at the same time the plant is repotted, going over the plants two or three days before potting and then wait until the plant has become established in the new soil.

The plants can be grown all the time in pots or planted out in a bench, cold frame or in the open ground. If they are grown in pots, constant shifting into larger sizes will be required and strict attention paid to the watering; a little negligence of this kind will quickly spoil all the work already done. If the pots are plunged in soil, they will not require so much attention. If they are grown in the soil, either bench, frame or field, they should be potted about August 15. For this, a good, rich loam, similar to that used in rose and carnation culture, is necessary, and if it is a little coarse, so much the better. The old soil should be carefully removed and the plant potted firmly in a pot large enough to carry through the season. Plants rooted in March and April will require from seven to eight-inch pots. As soon as potted they should be well watered and placed in a shady location, away from winds and draughts if possible for two or three days until the roots have formed in the new soil, when they should again be placed in full sunlight and watered when necessary.

The buds will set toward the last of September and they can then be disbudded or not according to the pleasure of the grower. Personally we like the plants that are not disbudded at all, for much of the stiffness so noticeable in chrysanthemum plants is thus obviated, but many growers like plants that carry but one flower to a stem. This is all very well with the varieties that produce a large flower, but the pompons and anemones are much more decorative if allowed to bloom in natural sprays. After the buds have formed watering with liquid manure every few days, either cow or sheep manure, will enlarge the flower, but this should be discontinued as soon as the flowers show color. A centre stake is all that will be required with most varieties if they are kept well pinched back through their early growth, but those that produce long flowering shoots may require more stakes and the tying in of the longer branches.

PLANTSMAN.

Warm Water for Chrysanthemums.

J. Boucaud, gold medal winner at a French chrysanthemum show last fall, writes with enthusiasm on the use of waterings with warm water in hastening the blooming of these plants. After bringing some sickly plants into good condition by the use of various sprays for rust and mildew, he found them so backward as to despair of more than 25 plants in bloom by November 10. As a last effort, he began watering with water warmed somewhat over lukewarm (which he tested by plunging his hand into the reservoir), in which was dissolved whatever chemical fertilizer he thought desirable. This process, repeated as waterings were needed, but without great regularity, brought the entire collection into bloom by November 10, and M. Boucaud is assured that it is to its use that he owes the honors accorded him.—Le Jardin.

THE CARNATION.

Carnation Cuttings Damping Off.

ED. AMERICAN FLORIST:—

We are having trouble with our carnation cuttings, they rot off a few days after being placed in the sand. The propagating bench has four to five inches of sand and enclosed underneath are three rows of steam pipes with valve at one end. We sprinkle cuttings on bright days and cover with newspapers. Can you account for cuttings rotting off? J. P.

My opinion of the trouble is that it is due to the cutting bed being too wet and to a lack of air. The essential things necessary for the successful propagation of carnation cuttings are first, a bench in a light airy house provided with enough steam pipes underneath to insure a bottom heat in the sand of 54-56 degrees, then a top temperature of 50-52 degrees. To be able to maintain the bottom heat it will be necessary to close in under the bench by tacking some sheeting to the side and let it fall to the ground. This will guard against more heat coming out through the house than is needed. It is a good plan to cover the bottom of the propagating bench with one-half to three-fourths inch of stone, then use about three inches of sand on the top of this; it will keep the sand sweet and allow for the heat to pass up freely. The sand should be pounded thoroughly and the cuttings watered well at time of putting them in, making sure that the watering is thorough enough to properly settle the sand around the base of the cutting so as to exclude the air and guard against the cut becoming hard. I also think that one of the causes of the cuttings damping off is the covering of them with newspapers. Allow me to suggest that a frame be fitted up about twenty inches above the propagating bed and some muslin sheeting stretched over this frame fitting it up so that it can be put on or off at will. This allows for a free circulation of air between the shading and the cuttings. Carnation cuttings are of a succulent nature and unless a close damp atmosphere is guarded against they will quickly spoil. I might mention here the way that we have fitted up the shading for our carnation propagating bed, but it must be borne in mind that the whole bench is used at this time for propagating purposes exclusively. The bench is six feet wide and above it are stretched six wires (lengthwise of the bench), two in the center and two at each side about 30 inches above the bench. For the top we have two widths of sheeting (which are a yard wide each), fitted with wire rings. All along both sides these rings are attached to the wires in such a manner that they can be slid backwards and forwards so that we can draw the sheeting to the ends of the bench when not needed for shading. These two overhead widths of cloth use up the two center wires and one of the wires at each side. To the other side wires we fit, by rings the same as before, one side of a width of sheeting allowing the other to hang down; thus we have a closed-in shaded bench but with a free circulation of air, and we are not troubled with any damping off or withering up. After the first waterings have been properly attended

to extra caution should be used in regard to sprinkling of the cuttings. I find that when the directions of temperature and ventilation are followed up closely there is need of very little sprinkling, particularly so prior to March 1. In later propagating, on account of the brighter weather, it becomes more of a necessity.

C. W. JOHNSON.

Carnation Foliage Turning Brown.

ED. AMERICAN FLORIST:—

We have a bench of Beacon carnations which have done finely but the foliage at one end is now turning brown, some leaves of which are enclosed. We keep the house about 50° at night but the end where the trouble with the Beacons occurs runs quite a little warmer. Can you tell what causes this?

J. F. P.

Minnesota.

The enclosed specimens were very much dried up when received but we could plainly trace the ravages of red spider and bacteria indicating that the plants are being subjected to moist warm conditions that are not conducive to their well being. Run the soil a little to the dry side, then choose a bright morning to give the plants a good syringing.

C. W. JOHNSON.

Carnation Sport.

ED. AMERICAN FLORIST:—

We have a plant of Afterglow that produces a flower between dark and light pink, almost a salmon pink. The stem is much stronger and stiffer and the flower very fine, showing improvement this year over last. Is there such a carnation on the market? If so, will you tell me the name?

A SUBSCRIBER.

I do not know of any sport of Afterglow as described but there are several light pinks that are good. The standard is now of such a high order that to win recognition the newcomer has to be very fine. Afterglow's weakest point with many growers is the poor constitution of the plant; if this is overcome in the sport it is worthy of more extended trial.

C. W. JOHNSON.

Carnations Not Blooming.

ED. AMERICAN FLORIST:—

We have 22,000 carnation plants that do not seem to be producing as they should, lying in more or less dormant condition. The cut for Christmas week was only 1,500; last year on 12,000 plants we cut 3,000. The soil seems to be turning green and has been so for quite a while. What can be done to produce the blooms more rapidly?

ANXIOUS SUBSCRIBER.

An over abundance of water will cause the soil to turn green and also check the quick development of the blooms. Try running the beds a little to the dry side for a short while to hasten root action.

C. W. JOHNSON.

HARTFORD, CONN.—Frank W. Richardson, who was reported seriously ill, is convalescing and was able to be about the greenhouse early in February.

NEW LONDON, CONN.—At the meeting of the New London Horticultural Society held February 8 a demonstration of fruit grafting was given by President Jordan and Henry C. Fuller, tree warden.

THE ROSE.

Care of the Young Stock.

The young rose stock should receive the best of attention from the time the cuttings leave the sand until they are ready for planting, if one expects to have them cut profitably the following season. In the first place do not let the cuttings stay in the sand a day longer than necessary. The roots should be about half an inch long or a little longer, so that when potting them the pots can be filled nearly full of soil, then the roots can be placed without damage near the top of the pot. A good mixture of potting soil is three parts good heavy fibrous loam and one part well rooted cow manure, screened through a half-inch mesh sieve, pot firmly and do not thumb the soil too much but thump the soil in and around the roots. One cannot pot roses rapidly; and a good rose potter will not count his day's work by the thousands.

After potting (and too many should not be potted before they are placed on a bench and watered) the stock should be placed in a bright, well ventilated house, where they will have all the sunshine possible. For the first few days or until they begin to take root in the soil, they should be shaded and their foliage sprayed overhead. The plants should be placed on tables that have about a three-inch side board. This enables one to get at all of the foliage when syringing. When the sides of the benches come up higher than the pots it will be quite hard to keep down red spider. Half an inch of ashes after packing them good and hard makes a good medium to place the pots on. Be sure that there are no cracks or holes in the tables to let the ashes fall through and the layer of ashes should be of the same depth all over the bench. This has a tendency of course in keeping the plants from drying out in spots. The care of the young plants after they are first potted consists in keeping the plants shaded from the direct rays of the sun, using elevated shading screens made of cheese cloth, etc. Do not place newspapers over the tops of the plants, as we have seen done quite often; it is far better to make a small investment in some light wooden frames with light cloth tacked on them. They can be used in many ways during the season and when not in use they should be stored in some dry place. If made carefully they will last many seasons.

The young stock should be watered thoroughly after potting; they will hardly require more than a syringing overhead for a few days and great care should be used so as to not have them too wet until new roots are established. Rose cuttings will require 2½-inch pots. As a rule, all the varieties will go easily into these pots if the cuttings are not allowed to over-root in the sand. Keep them at a temperature of 58° to 60° at night and a day temperature of 65° to 75° according to the weather, on clear bright days at the latter temperature. Ventilate carefully, keeping a little fresh air circulating at all times where it is possible. Fumigate lightly before the fly gets a start and keep a little sulphur on the pipes all the time.

The grafted plants, as a rule, grow very rapidly and consequently they require a little more water. They should be gone over (after they are far enough advanced to stand the full sunshine) and retied, that is wherever the raffia has broken, and some of the early grafted sticks will soon become injured if the raffia is allowed to cut into the bark. Where the raffia is found to be squeezing, the tie should be removed and replaced, for the union should be protected from breaking, only remove the ties where they can be replaced by staking the plants. This should be done when shifting them for the first time into 3½-inch pots. The grafted stock soon becomes crowded if the pots are placed touching each other. As soon as they require it they should be allowed more room between the rows crosswise of the bench, keeping the pots touching in the rows. This will prevent the plants from falling over when syringing. The grafts coming from the case at this season will require shading for a longer period than they did a month back and it is a hard matter to keep them from wilting if they are placed on a bench where there is air on the house. A good plan is to have a few holed sash arranged so the plants can be tempered off before allowing them the regular temperature of the more advanced plants.

The houses will require lots of attention from now on. The old plants should be growing vigorously now, which means a great amount of tying for one thing and careful disbudding. It is also in order to put on a mulch of some kind, preferably half rotted cow manure. If fresh manure only is obtainable, it should be covered lightly with fine soil to prevent spotting of the foliage and flowers. Do not apply a heavy mulch just yet, and do not neglect to break up the mulch about once a week. If this is done one will get the full fertilizing benefit of the manure and at the same time it is essential, as it aids greatly in the evaporation of the soil. Do not be in too great a hurry to mulch unless the plants are vigorous and in full growth. The slow moving stock should get under way before mulching.

E.

Lime for Eelworms.

ED. AMERICAN FLORIST:—

Would it be advisable in using lime for eelworms to place the lime in the liquid manure tank or would it be better to use the lime alone?

W. A. F.

District of Columbia.

We would advocate the use of a saturated solution of lime water used independently of the liquid manure, in "W. A. F.'s" case either for eelworms or earthworms, although if the plants are badly affected with club root caused by the eelworm they are practically past recovery and although the lime water would do no harm, clear water would probably do just as much good. Keeping the soil exceedingly wet is about all one can do for the plants. But for angle worms or the common earth worms the lime water will remove them.

We prefer to slake the lime and allow it to stand until it settles, then use the clear liquid. Lime spilled around on the soil has a tendency to form a crust, making it rather difficult to water evenly.

E.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 64 PAGES WITH COVER

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WHEN winter breaks be prepared to tempt the planter with green and growing things and make prices to cover coal bills.

DR. WM. TRELEASE, for more than 22 years director of the Missouri Botanical Garden (Shaw's Gardens) St. Louis, Mo., resigned his position February 19 and the resignation has been accepted with regret. Dr. Trelease desires to be relieved of administrative duties so that he can devote more time to research.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

THE long excessive cold spell is causing considerable anxiety in some sections. Depleted coal bins, with trouble obtaining additional supply, frozen water supply and the long hours of incessant watching and firing have left traces of anxious moments on the faces of many growers.

LOSSES by fire this winter among greenhouse proprietors have been many and large. No doubt the long, heavy firing has developed every weakness in the heating appliances. During such times a careful inspection of wood-work near flues and chimneys should be maintained, for a fire during severe weather means a total loss of stock.

Third National Flower Show.

The National Flower Show committee announces that Mrs. F. F. Thompson of New York, whose beautiful estate at Canandaigua is one of the show places of this country, has contributed \$500 to be used towards securing foreign exhibits.

C. H. TOTTY, Chairman.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the new variety of orchid *Lælia anceps*, var. *Lageriana*, by Lager & Hurrell, Summit, N. J., becomes complete.

JOHN YOUNG, Secy.

February 26, 1912.

New York Florists' Club.

The meeting of the New York Florists' Club to be held Monday evening, March 11, will be known as Rose and Orchid night. Any growers desiring to exhibit these two flowers will have an opportunity to do so, and if they cannot accompany the exhibit, it can be sent to the exhibition committee, care of Traendly & Schenk, 131 West Twenty-eighth street, New York, to arrive there before four o'clock Monday afternoon, March 11. The exhibition committee will see that they are properly staged.

I. S. HENDRICKSON, Chairman.

Parcels Post.

According to the data furnished by W. A. Henry, emeritus professor of agriculture, Madison, Wis., the United States has the lowest weight limit for parcels carried by mail and the highest rate per pound of any country having a parcel post system. Powerful interests are opposing a general parcel post system by every possible means, especially by flooding congress with petitions in opposition and by urging one cent letter postage. It is useless to expect congressmen to vote for parcel post when they are all the time hearing from the opposition and not a word from those desiring the measure. March 18 has been set apart as Parcel Post day and all those desirous of seeing a general parcel post law passed by the present congress are requested to write their two senators and representative in congress urging the passage of this law. Take the calendar and draw a circle around March 18 and on that day pour into Washington a flood of letters that will convince the members of congress that the American people are in earnest in their call for an up-to-date general parcel post.

Chicago's Spring Flower Show.

Final premium lists have been mailed and anyone that has not received one is urged to write to J. H. Burdett, secretary, 1620 West 104th place, Chicago.

Particular attention is called to the rules regarding time of entry, and the labeling of exhibits. Exhibitors are earnestly requested to notify the secretary or the manager in advance regarding the space they will need so an idea of the available exhibits may be obtained as early as possible.

No entry fees are required in any classes from private gardeners and several of the Lake Geneva and Lake Forest gardeners have promised exhibits.

In order to make a creditable display, all the exhibits it is possible to get are needed, and every florist in the Chicago neighborhood is urged to send something, whether he feels sure it will win a prize or not.

J. H. BURDETT, Sec'y.

Massachusetts Agricultural College.

At the meeting to be held at the Massachusetts Agricultural College the second week in March, the morning of Thursday, March 14, will be devoted to a consideration of market gardening problems and the afternoon and evening to floricultural subjects. H. D. Haskins will speak on "Fertilizers for Glass House Agriculture," Dr. H. H. Whetzel on "Plant Disease Problems for the Florist," and Dr. H. T. Fernald on "Some Recent Investigations in Greenhouse Fumigations." There will be a display of roses, carnations and other floral products, exhibits having been promised from A. N. Pierson, Inc., Peter Fisher, M. A. Patten, C. H. Totty, Waban Rose Conservatories, Eber Holmes, Bassett & Washburn, Chicago Carnation Co., W. H. Elliott and others. The college ranges will be inspected Friday morning, March 15, after which an observation trip will be taken to the ranges of the Montgomery Rose Co., Hadley, and H. W. Field, Northampton.

A number of horticultural societies have been invited to participate in these meetings, and it is hoped that the same enthusiasm may be shown in the advancement of floricultural interests as is shown by others in their annual meetings.

E. A. WHITE.

Greed Kills McKinley Day.

The non-observance of McKinley day was the subject of much comment from many sections and in an editorial the Milwaukee News states that the day has been commercialized out of existence, and adds that the advancing of the price of carnations to such an extent that patrons who would gladly have worn the flower refused to pay the extortion demanded by dealers, has tainted the sentiment and the heel of greed threatens to crush it and kill the observance. It is the old story of killing the goose that laid the golden egg.

Big Money in Medicinal Crops.

The production of medicinal plants as farm crops is receiving some attention. Dr. E. L. Newcomb of the Minnesota University asserts that foxglove, from which digitalis is obtained, yields in his garden at the rate of \$4,666 to the acre. He raised 100 pounds, worth \$1.20 a pound, produced on 1,120 square feet, which the professor figures out at the rate per acre mentioned.

Meetings Next Week.

Albany, N. Y., March 7, 8 p. m.—Albany Florists' Club, 71 Stato street.
 Buffalo, N. Y., March 5, 8 p. m.—Buffalo Florists' Club, 385 Ellicott street.
 Butte, Mont., March 8.—Montana Florists' Club, Columbia Gardens.
 Chicago, March 7, 8 p. m.—Chicago Florists' Club, 168 West Randolph street.
 Dayton, O., March 4, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.
 Denver, Colo., March 4.—Colorado Florists' Club, T. M. A. hall, 1739 Champa street.
 Detroit, Mich., March 4, 8 p. m.—Detroit Florists' Club, 112 Farmer street.
 Fall River, Mass., March 5, 8 p. m.—Fall River Florists' and Gardeners' Association.
 Grand Rapids, Mich., March 4.—Grand Rapids Florists' and Gardeners' Club, office of member.
 Hartford, Conn., March 8, 8 p. m.—Connecticut Horticultural Society, County building.
 Indianapolis, Ind., March 5, 7:30 p. m.—State Florists' Association of Indiana, State House.
 Los Angeles, Calif., March 5.—Los Angeles County Horticultural Society.
 Louisville, Ky., March 5, 8 p. m.—Kentucky Society of Florists, Third and Broadway.
 Milwaukee, Wis., March 7, 8 p. m.—Milwaukee Florists' Club, St. Charles Hotel, City hall square.
 Minneapolis, Minn., March 5.—Minneapolis Florists' Club, 115 North Sixth street.
 Montreal, Que., March 4, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.
 New Orleans, La., March 6, 8 p. m.—German Gardeners' Club, 621 Common street.
 Newport, R. I., March 6.—Newport Horticultural Society.
 Philadelphia, Pa., March 5, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street above Spruce.
 Pittsburg, Pa., March 5, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.
 Salt Lake City, Utah, March 5.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
 Seattle, Wash., March 5.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
 St. Paul, Minn., March 5, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue north.
 Tacoma, Wash., March 7.—Tacoma Florists' Association, Hotel Tacoma.
 Utica, N. Y., March 7, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida square.
 Washington, D. C., March 5, 8 p. m.—Florists' Club of Washington, 1214 F street, n. w.

Situation Wanted—As gardener; 18 years' experience growing roses, carnations, 'mums, pot and bedding plants; greenhouse or outside work; age 30 years; single; good hand for all work or private place; steady position. Address
 JOSEPH F. CHONTAS,
 34 Columbus Ave., Port Ches. or, N. Y.

Situation Wanted—Gardener with 14 years' experience in all branches, wants position in park, private estate, or with architect. Have experience in grading work, am able to execute planting plans and had also experience in nursery. Can furnish first class references. At present I am located in the west. Address
 Key 572 care American Florist.

Situation Wanted—As working foreman; good grower of roses, carnations, 'mums nursery stock, etc.; over twenty years' experience on good wholesale and retail places; can take full charge and make good place pay; hard worker and good manager; sober and reliable; married; permanent; several years at present place; will go anywhere; salary or shares; references.
 F. UBER care 74 Gaurier Av., Jersey City, N. J.

Help Wanted—A young lady florist to help in store and office; give reference. Address
 Key 569, care American Florist.

Help Wanted—All around greenhouse man state wages and experience. Address,
 SUPERIOR FLORAL COMPANY, Superior, Wis.

Help Wanted—An experienced palm grower for commercial place near Chicago. Must know how to grow good decorative stock.
 Address, Key 561, American Florist.

Help Wanted—Experienced saleslady and bookkeeper for flower store. With full particulars, address,
 H. N. BRUNS,
 3033 W. Madison Street, Chicago.

Help Wanted—Manager landscape department with energy, education, knowledge of plants, plan making and selling experience.
 A. W. SMITH Co.,
 Keenan Bldg., Pittsburgh, Pa.

Help Wanted—A good all-round man, one who thoroughly understands growing and watering; position in an eastern city; married man preferred; references. Address
 Key 570, care American Florist.

Help Wanted—A good blacksmith with a couple of hundred dollars can make a fine connection with a large greenhouse plant in Illinois; gilt-edge proposition; act quick. Address
 Key 666, care American Florist.

Help Wanted—Man as foreman of a new modern greenhouse and heating arrangement, growing rose blooms for commercial purposes. Must be strictly temperate, thoroughly familiar with the heating system, and live on place. State whether married or single, wages expected, references, and previous places of employment. Send all answers to
 Post Office Box 126, Philadelphia, Pa.

For Sale—Retail floral store, well established, located west end St. Louis, Mo. Price \$1200.00. Address, Key 577, care American Florist.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—A dwelling, three well stocked greenhouses with an established business. For particulars address L. G. R.
 306 W. La Fayette Ave., Fayette, Ark.

For Sale—Three acres of land, 2 greenhouses, 15,000 feet of glass, hot water heat, modern house and barn. Write for particulars. Address
 C. H. MCCREEDY,
 Sta. D, Milwaukee, Wis.

For Sale—Small but good greenhouse plant and cottage in fast growing town in Oklahoma; no competition within 35 miles; the best of bargains; write for particulars.
 Address Key 576, care American Florist.

For Sale—A splendidly equipped and good paying retail store in Chicago. Buyer can have a long lease on store or, if he wishes, buy the fixtures only. For further particulars, call on or address,
 WM. HARBITZ, 3435 W. Chicago Ave., Chicago.

For Sale—Established retail florist business, (11 years) good trade, prominent corner; my Easter business is worth 75% of purchase price, have other business which will take all my time.
 NOELKE THE FLORIST,
 Seventh Ave. cor. 131st St., New York.

Wanted—To Buy—Forty good second-hand hotbed sash.
 J. W. MILLER, Hope, Ind.

FOR SALE—A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Ill.

Wanted

GARDENER for private place, some glass, grounds 4 acres. Must have a good general knowledge of raising first class flowers and vegetables. Unmarried man preferred. Intoxicants positively prohibited. Good wages and home. 200 miles from Toronto.

Address, DUNLOPS, 96 Yonge St., TORONTO, CAN.

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Excellent location near one of Minnesota's most flourishing cities. Excellent railroad facilities. 120 acres in Apples, Small Fruit and Ornamental Stock. Good Buildings, Storage and Packing Cellar. Will be sold with or without land—long lease if desired. An exceptional opportunity if taken at once. Good reason for selling. Write.

KEY 578, Care AMERICAN FLORIST.

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G. R. GEARY, (Mayor),

Chairman Board of Control.

City Hall, Toronto, Jan. 17, 1912.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As salesman in retail trade; first-class designer and decorator, experienced; good references.
 A GARDENER,
 1326 Chicago Avenue, Evanston, Ill

Situation Wanted—German gardener and florist married, age 34, life experience, wishes position as foreman on first-class private or commercial place.
 J. BAUER,
 Chichester, N. Y., Ulster Co.

Situation Wanted—Experienced in carnations; chrysanthemums and general greenhouse work; I will accept reasonable wages; good references; total abstainer. Address
 Key 571, care American Florist.

Situation Wanted—Landscape architect; gardener; practical man for executing plans in every department; references; single; sober. Address
 ROBERT GIESLER,
 R. D. Box 33, San Luis Obispo, Calif.

Situation Wanted—By A1 rose grower (teas and Beautica); German, competent in all other cut flowers and choice pot plants, as working foreman; state wages.
 Address Key 565, American Florist.

Situation Wanted—As gardener on private place; grower of first-class stock and fruit; single; German; strictly sober and a hustler; can take full charge. Address
 Key 574, care American Florist.

Situation Wanted—By gardener, Scotchman, 35; private place preferred; greenhouse, grounds, vegetable and flower gardens; can grow and propagate any kind of perennial flowers; state wages. Address
 Key 559, care American Florist.

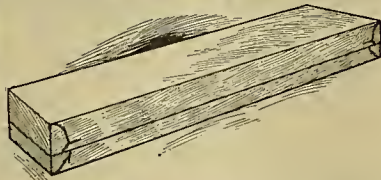
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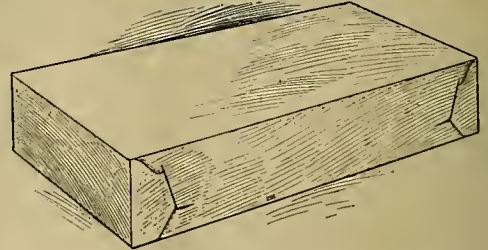
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16x 4 x3	\$ 1 35	16x 4 x3	\$ 2 65	23x12x5. Telescope.	\$ 7 50	30x 9x 4. Telescope.	\$ 6 50	White and Violet Glaze.	
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21x 5 x3	2 50	21x 5 x3	3 50	16x16x8	10 00	12x12x 8	9 50	8x5x5	4 00
24x 5 x3 1/2	3 00	24x 5 x3 1/2	3 75	20x20x8	13 00	14x14x 8	10 00	10x6x5 1/2	5 00
30x 5 x3 1/2	3 30	30x 5 x3 1/2	4 50	24x24x8	15 00	16x16x 8	10 50	12x8x5 1/2	6 00
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21x 7 x3 1/2	3 25	18x 6 x3 1/2	3 65	32x32x8	25 00	24x24x 8	15 50	7x4x4	1 75
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24x 8 x5	4 15	21x 8 x4	4 65	28x22x8	16 00	28x28x 8	19 50	11x8x5 1/2	3 50
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36x10 x5	7 50	28x 8 x5	6 50	32x17x8	16 00	24x14x 8	13 00	8x5x5	2 75
40x 8 x5	9 00	36x 8 x5. Telescope.	9 00	36x14x8	16 00	30x14x 8	15 00	10x6x5 1/2	3 00
42x 8 x5	11 00	36x10 x5	11 00	40x14x8	17 50	36x14x 8	16 25	12x8x5 1/2	3 50
42x10 x5	13 00	40x 8 x5	11 00	36x17x8	18 50	40x14x 8	17 75	14x10x8. Telescope	6 00
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		42x10 x5	15 00					12x8x5 1/2	3 50
		48x10 x5	18 00					15x6x5	3 50
								14x10x8. Telescope	6 00

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At Chicago Parks.

The midwinter season at the different city parks is always interesting, especially those that keep a show house full of blooming plants for the city residents to enjoy, and that they do enjoy them is evident if one will only visit the greenhouses and note the pleasure reflected in the faces of the thousands who visit these houses during the long cold winter season. Sundays especially are the greenhouses visited by large numbers who pass through the houses or sit upon the benches provided for their comfort and enjoy the most beautiful products of nature grown with the best of skill just as much as the more wealthy who are able to own and operate their own extensive conservatories. These elaborate displays that are continued throughout the winter entail an immense amount of thought and labor for a succession must be grown to keep up these beautiful displays of blooming plants for the arrangements must not only be such as to provide something to take the place of those that are passing, but also to have a continuous variety, and the plans are so perfected that the visitor from week to week is furnished with something new to make the visit enjoyable.

LINCOLN PARK.

The beautiful show house at Lincoln park now has a magnificent display of cinerarias in the center. The plants of *Cineraria stellata* are beautiful specimens, many being fit for the exhibition tables at the prominent spring shows held in some cities, and the plants of the hybrid cinerarias are splendidly grown, the large flowers of brilliant shades making a beautiful contrast with the larger plants of the *stellata*. On the side tables were well-grown cyclamen full of their odd-shaped flowers which attracted the attention of all the visitors. Orchids are a great attraction at these houses and very interesting and beautiful

species and varieties are always to be seen. *Cattleya Trianae* are now displayed in large numbers and some very beautiful varieties are on exhibition. *Calanthe Veitchii* also is to be seen in quantity and adds to the interesting display. The cinerarias are soon to be followed by the azaleas of which there are some very large specimens just coming into flower. The stove house is always of interest for it contains a large number of varieties of anthuriums and nepenthes.

To keep up this beautiful display necessitates of course a number of houses where the plants are grown and brought into perfection. A large collection of orchids of all the different genera and species is grown, the different species and varieties of *cattleyas* all being found in splendid condition and a collection of seedlings are being nursed along with the hope of producing some startling new variety. These babies of Head-gardener Schiele are very interesting and the patience of the true gardener is manifest in waiting years to see results. A grand display of rambler roses is promised in the near future, the plants being very finely grown and luxuriant and just showing buds, and the lilies for Easter are timed to a nicety. Propagation for the summer bedding is now also in progress, some 25,000 plants being grown to set out the beds for this large park.

GARFIELD PARK.

The large houses at Garfield park are always an attraction for many residents of the city during the winter, for in this immense area covered with glass one might easily imagine he had been suddenly transported to a tropical clime, the large palms and other plants reaching thirty or more feet over his head. The show house here covers a large area and it takes a very great number of plants to keep this house in full bloom, and a large assortment is always on exhibition. A

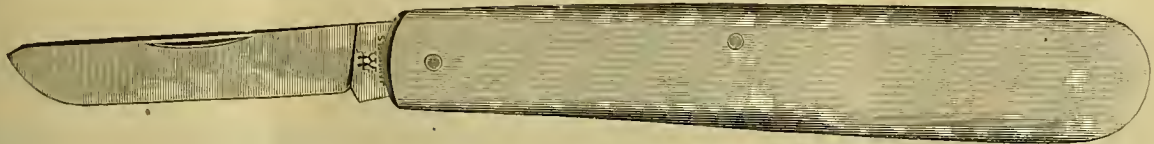
notable collection now in flower is large camellias in full bloom. *Primula chinensis* were nicely grown and were beautifully arranged by colors, begonias and cinerarias were also showy. A plant displayed here that is not often seen is *Conoclinium celestinum* which is closely allied to the eupatoriums, bearing large heads of violet blue flowers, in fact, it might be likened to an immense ageratum. A large number of narcissus added to the gorgeous coloring presented to the eye.

The preparatory houses are filled with well-grown plants to take the places of those which will soon be passing. The Easter stock is rapidly coming forward, the lilies seeming to be in just the right condition to have them at their best. Another novelty noted in these houses was a fine lot of *Saintpaulia ionantha*, a beautiful blue flower with yellow stamens. This flower has the appearance of the violet but is borne in clusters and the yellow center makes a most delightful contrast. The raising of the large quantity of bedding stock for the park system which is propagated and grown at this range occupies a large amount of bench space, about one hundred thousand plants being required.

The resignation of John Sells, early in the year, who has been head gardener ever since the houses were built, followed so recently by his death, has left this large range of glass without a head gardener at present, but this place will probably be shortly filled, the examination for the position taking place this week.

BLOOMINGTON, IND.—James H. Cain has sold a two-thirds interest in the Cain Floral Co. to Arnold Winkler and Sam Schemuk, and the firm has reorganized under the name of the Standard Floral Co. Messrs. Winkler and Schemuk will assume the active management and are now renovating the retail store and planning other changes.

This Budding Knife Free



The Unrivaled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade

Will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employes. This knife can not be bought anywhere for less than \$1.25 and most dealers will probably ask more for it as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their employes) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO., 440 S. Dearborn St., CHICAGO.

Use This Blank Only in Sending United States Orders.

American Florist Co., 440 South Dearborn St., Chicago,

Dear Sirs:—Enclosed herewith find \$2.00 in full payment of two new subscriptions to The American Florist. Please send Budding Knife as per your offer to

Name.....
Street..... City..... State.....

Please send the paper one year to each of the following:

Name.....	Name.....
Street.....	Street.....
City..... State.....	City..... State.....

The New Carnation, BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities

THE NEW "HELEN" PINK A beautiful Deep Pink after the style of the old William Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit" Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber

GROWER,

Lynbrook, Long Island, New York

R. G. WILSON

Fulton Street and Greene Avenue
BROOKLYN, N. Y.

CHAS. H. TOTTY

Madison, N. J.

Asparagus Plumosus and **Sprengeri**, 3-in. pots \$4.00 per 100.
Daisy (new), Mrs. F. Sanders, 2½-in. pots, \$5.00 per 100.
Ivy, English Hardy, 4-in. pots, \$1.00 per dozen; 3-in. pots, \$4.00 per 100.
Passiflora **Cerulea** and **Flordii**, 3-in. pots, \$4.00 per 100.
Geraniums, **Rose** and **Nutmeg**, 3-in. pots, \$3.00 per 100.
Clematis, large-flowering varieties, red, white and blue, 5-in. pots, \$2.00 per dozen; extra strong 6-in. pots, \$3.00 per dozen.
Daisies, **Paris**, white and yellow, 3-in. pots, \$3.00 per 100.
Smilax, 3-in. pots, \$4.00 per 100.
Swainsona Alba, 2½-in. pots, \$3.00 per 100.
Stock from 2½-in. pots, \$2.50 per 100: **Abutilon Savitzi**; **Heliotrope**, blue; **Cupheas**; **Asparagus Sprengeri**; **Ageratum** blue; **Geraniums**, **Rose** and **Nutmeg**; **salvia Bonfire**; **Alyssum**, dbl., white; **Lobelia**, single, blue.
Rooted Cuttings, \$1.00 per 100, by mail prepaid: **Fuchsias**, 4 varieties; **Salvia Bonfire**; **Parlor Ivy**; **Hardy English Ivy**; **Cupheas**; **Ageratum**; **Rosemary**; **Euonymus**, golden variegated; **Santolina**; **Lobelia**, single, blue.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

ROOTED CUTTINGS

Prepare NOW for Spring. NOW is the time to buy the cuttings. They are good now. If you wait until late Spring you cannot get as good. Our cuttings now are grand, and will make the price as follows for a few weeks: **VERBENAS**, 60c per 100; \$5.00 per 1000. **SALVIAS**, 80c per 100; \$7.00 per 1000. **COLEUS**, 70c per 100; \$6.00 per 1000. **GIANT DBL. ALYSSUM**, 80c per 100. **AGERATUMS**, 60c per 100; \$5.00 per 1000. **PETUNIAS**, \$1.25 per 100; \$10.00 per 1000. **PELARGONIUMS**, \$2.50 per 100; \$22.00 per 1000. **HELIOTROPE**, 80c per 100; \$7.00 per 1000. **DAISIES**, \$1.00 per 100; \$8.00 per 1000. **FEVERFEW**, true little gem, (no dog fennel) \$1.00 per 100; \$9.00 per 1000.
Express paid. Cash with order.

S. D. BRANT, Clay Center, Kansas

Ferns.

4-inch heavy stock, \$12.00 per 100. **Boston**, **Barrowsi** and **Elegantissima**; also 2¼-inch **Boston**, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio

Alternantheras.....

Strong, well rooted cuttings, the kind that will please you.

P. Major, red.....50c per 100; \$4.00 per 1000
A. Nana, yellow.....50c per 100; 4.00 per 1000
Brilliantissima.....60c per 100; 5.00 per 1000

J. W. DAVIS, 225 W. 16th Street, Davenport, Iowa

Carnation Novelties

We can still quote March delivery on "Wodenethe" and "Brooklyn," at \$12.00 per 100; \$100.00 per 1000. Delivery on "Wodenethe" March 20th.

It will pay you to come and see these two varieties growing.

Still booking orders for

"SUNBURST,"

The Grand New Yellow Rose.

\$30.00 per 100; \$250.00 per 1000, own root. Grafted plants, 5c extra.

By the way, our catalogue was mailed you. Did you receive it? If not, we will only be delighted to send you another.

CHAS. H. TOTTY, Madison, N. J.

Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

Roses.

Ramblers, Hybrid Teas, Hybrid Perpetuals, Dwarf Polyanthas, Standards and Half Standards.

Lily of the Valley.

Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.

TELL US YOUR WANTS.

Jackson & Perkins Company,

Nurserymen and Florists (Wholesale only), Newark, Wayne Co., New York

ROSES and ROSES

Spring Price List Ready.



Mention the American Florist when writing

LUPINES (Annual), White, Pink, Blue and Yellow. These are the best strain of cut flower sorts. Plant now for quick results. Good plants, \$1.00 per 100; \$9.00 per 1000.

Smilax, strong, 2-in.\$1.50 per 100
Double Fringed Petunias, Rooted Cuttings, mixed,\$1.00 per 100; \$9.00 per 1000

Parsley, Double Curled, 1.25 per 1000
Pansies (Rawlings' Strain) 2.50 per 1000

Elmer Rawlings, Wholesale Florist, Olean, N. Y. Mention the American Florist when writing

The Early Advertisement Gets There.

Announcement to the Wholesale and Retail Florists' Trade

We have Leased the
Entire First Floor of
the Coogan Building,
55-57 West 26th
Street. : : : : :



A. MOLTZ.

The Entire Floor,
through the removal
of the present
partitions, will be
changed into One
Unbroken Space,
and improvements
will be made. : : :

We will continue to occupy a large portion of this space for Our Wholesale Business, carrying our usual full line of Flowers, with the addition of a Full supply of

Gardenias and Cattleya Orchids.

We extend a Hearty Welcome to Our Patrons, Old and New, and will endeavor to serve One and All to the Best of Our Ability.

Henshaw & Fenrich, A. Sauter, Alexander J. Guttman, The Growers' Cut Flower Company, and several other Wholesale Florists who are at present occupying space on this floor will so continue. There is some desirable space still available for the conduct of a Wholesale Business, which can be rented on application to the undersigned.

Yours truly,

A. MOLTZ & COMPANY

COOGAN BUILDING

55-57 West 26th Street, NEW YORK CITY

Telephones 617 and 618 Madison Square.

ROSES

FINE SPRING CROP. PINK AND WHITE KILLARNEY.

EXTRA FANCY LILIES, \$12.00 PER 100.

Current Price List: Subject to market changes.

American Beauties

	Per doz.
Specials, 48-inch stems and over.....	\$5.00 to \$ 6.00
30 to 36-inch stems.....	3.00 to 4.00
24-inch stems.....	2.00 to 2.50
15 to 20-inch stems.....	1.50
12-inch stems.....	1.00

Carnations

	Per 100
Extra fancy red (Bassett).....	\$3.00 to \$4.00
Extra long fancy white.....	3.00
Extra long fancy Enchantress.....	3.00
Winsor.....	2.50 to 3.00

Bulb Stock

	Per 100
Easter Lilies..... per doz., \$1.50; per 100	\$12.00
Tulips, all colors.....	2.00 to 3.00
Daffodils, single and double.....	2.00 to 3.00
Lily of the Valley, per 100.....	3.00 to 4.00

Select Pink and White SWEET PEAS, per 100.....75c to \$1.00

We Are Growers of All the Stock We Sell and Guarantee It to Be Strictly Fresh.

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago.

Greenhouses: Hinsdale, Ill.

Roses

Rhea Reid, Richmond, Pink Killarney, White Killarney and Perle.

	Per 100
Specials extra select.....	\$10.00
Long.....	8.00
Medium.....	6.00
Short.....	4.00

Greens

	Per 100
Asparagus, sprays, per 100.....	3.00 to 4.00
Sprengerl, per 100.....	2.00 to 3.00
Ferns, per 1,000.....	\$2.50
Smilax, per doz.....	2.00
Adiantum, per 100.....	1.00 to 1.50
Mexican Ivy, per 1,000.....	\$6.00
Galax, bronze, per 1,000.....	1.00

Chicago.

THE MARKET DEPRESSED.

The first week or two of Lent has always been a time for prices to fall but the sudden change in the market the last week was the greatest that has been experienced, some of the dealers who have handled flowers for years say that a similar state has never existed at this time of the year. The stock of all the different flowers of the season has been increasing for the last two weeks, but there was no great surplus of anything, in fact, the market cleaned up well to the middle of last week. But the blizzard of last week placed a sudden check on the retailer's trade and this was followed later in the week by more unfavorable weather and the demand upon the wholesaler fell to almost nothing. In the meantime the receipts were increasing and the stock accumulating rapidly, and at the close of the week there was a large surplus on hand. It was hoped that at the beginning of this week there might be an improvement, but if anything it was worse; the stock kept coming in and there was no call for anything and the refrigerators and counters were well filled with splendid stock with but few buyers. Prices began to drop and sales are reported at almost as low figures as are sometimes asked in late spring and a great quantity of stock was sacrificed. Orchids are the only flowers that have been able to hold their price. This has been caused by the small receipts and there is no doubt but that the prices on these would have advanced had there not been such a large stock of everything else on which the prices had fallen so low. The receipts of roses are not large but with the call so small a lowering of prices of all except American Beauties and the nov-

Seventh Annual Convention

OF THE

Illinois State Florists' Association

SWEETORR BUILDING,
Chicago Street,
Joliet, Illinois

Tuesday and Wednesday
March 5-6, 1912

elties, is recorded. American Beauties hold up well. Carnations are at a standstill and the receipts are large with the stock not moving. Elegant blooms can be seen on the counters awaiting orders, and some very low quotations for good-sized lots are reported. Violets are a drug, the demand at fair prices is not large enough to clean up the fresh, home-grown stock, and the Eastern stock is sold to the bargain hunters. Bulbous stock drags and there is a great accumulation of all lines. Lily of the valley is overplentiful and vases of the finest

quality are begging purchasers. The one article which is reported scarce is spagnum moss and any stock available is purchased on sight. With the return of milder weather, so that the people can get about, no doubt trade will resume more normal conditions.

NOTES.

The Kroeschell Bros. Co. made an exhibit of the Kroeschell boiler, heating system and generator at Cornell university, Ithaca, N. Y., at "Farmers' Week," February 19-24. Fred Lautenschlager was on hand to explain all the excellent features. W. L. Kroeschell states that business is starting in very early. Orders were received this week for four No. 14 boilers, the capacity of each being 36,000 square feet, which would indicate that large ranges are going to be built and in all likelihood this is but a mere trifle compared with what will follow.

By a reorganization of the South Park system of administration the office of assistant superintendent was abolished. H. S. Richards, former assistant, was appointed superintendent of maintenance and repair. Others affected by the change are Linn White, E. B. De Groot, W. I. Bell, J. L. Mitzenbuhler, J. C. Cavanaugh, T. C. Richard, and Fred Kanst. The heads of departments will in the future report direct to the general superintendent.

The spring show of the Horticultural Society is scheduled for March 12-17 at the Art Institute. Copies of the premium list can be had on application to James H. Burdett, 1620 West One Hundred and Fourth Place, Chicago.

George J. Newman, a gardener, 7628 Washington boulevard, aged 66 years, killed himself by jumping from the fourth story window of the Wesley hospital one morning last week.

Poehlmann Bros. Co.

72-74 E. Randolph St. Long Distance Phone CHICAGO, ILL.
Randolph 35

BEAUTIES, Richmonds, Killarneys, and other Choice Roses

Extra Fancy Carnations ORCHIDS --- VALLEY, Sweet Peas, Violets, Romans, Lilies, Tulips.

CURRENT PRICE LIST

AMERICAN BEAUTIES.		Per doz.	GOOD SHORT STEM ROSES.		Per 1,000
Long Special		\$ 5.00	Our selection		\$30.00
36-inch		4.00	Our Extra Special Grade Roses charged accordingly.		
30-inch		3.00		Per 100	
24-inch		2.00	CARNATIONS, fancy	\$3.00 to \$4.00	
15-inch to 20-inch		1.50	" first quality	2.00	
12-inch		1.00	" splits	1.00	
Short Stem, per 100		\$4.00 to 6.00	ORCHIDS, Cattleyas, per dozen	\$4.00 to \$5.00	
			HARRISII, per doz.	1.50	10.00
			NARCISSUS PAPER WHITE		3.00
RICHMOND, select	\$10.00 to	\$12.00	ROMANS		3.00
Fancy		8.00	VALLEY	3.00 to	4.00
Medium		6.00	VIOLETS, double .....		.75
Good Short	\$3.00 to	4.00	VIOLETS, single, Princess of Wales		1.00
PRINCE DE BULGARIE, extra select		15.00	MIGNONETTE, large spikes	\$4.00 to	6.00
Select		12.00	FREESIAS		3.00
Medium	\$8.00 to	10.00	JONQUILS		3.00
KILLARNEY, select	\$10.00 to	12.00	DAFFODILS		3.00
Fancy		8.00	TULIPS, all colors	\$3.00 to	4.00
Medium		6.00	SWEET PEAS .....	.50 to	1.00
Good Short	\$3.00 to	4.00	ADIANTUM, short .....		.75
MRS. AARON WARD, extra		15.00	ADIANTUM CROWEANUM, fancy,		1.00
Select		12.00	SMILAX	per doz.,	\$2.00
Medium	\$8.00 to	10.00	SPRENGERI PLUMOSUS SPRAYS	\$3.00 to	4.00
MY MARYLAND, select	\$10.00 to	12.00	PLUMOSUS STRINGS, each.....		.60c
Fancy		8.00	FERNS, per 1,000		\$2.50
Medium		6.00	GALAX, per 1,000		1.00
Good Short	\$3.00 to	4.00	LEUCOTHOE .....		.75
WHITE KILLARNEY, select	\$10.00 to	12.00	BOXWOOD, per bunch .....		.25c
Fancy		8.00	BOXWOOD, per case		\$6.50
Medium		6.00	MEXICAN IVY, per 1,000 .....		.650
Good Short	\$3.00 to	4.00			
MELODY, long	\$12.00 to	\$15.00			
Medium	8.00 to	10.00			

POEHLMANN'S FANCY VALLEY } We make these a specialty.
EXTRA FINE HARRISII LILIES } Can supply them all the Year.
Once tried you will have no other

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

CARNATIONS

A Large Quantity of All the Leading Varieties in Red, White and Pink.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

	Per Dozen	Per Dozen
60-inch stems	} \$5 00	24-inch stems.....\$3.00
48-inch stems		20-inch stems..... 2.50
36-inch stems		15-inch stems..... 2.00
30-inch stems		

Killarney.

	Per 100
Extra special.....	\$10.00
Selects.....	8.00
Fancy.....	7.00
Medium.....	6.00
Good.....	5.00
Short stems.....	4.00

Richmond

	Per 100
Extra special.....	\$10.00
Selects.....	8.00
Fancy.....	7.00
Medium.....	6.00
Good.....	5.00

Jardine

	Per 100
Select.....	\$10.00
Fancy.....	8.00
Good.....	6.00

White Killarney

	Per 100
Extra specials.....	\$10.00
Selects.....	8.00
Fancy.....	7.00
Medium.....	6.00
Good.....	5.00
Short stems.....	4.00

Uncle John

Select.....	\$ 8.00
Fancy.....	6.00
Good.....	4.00

Roses, our selection - - - \$4.00

Carnations,

Special.....	\$2.00
Fancy.....	1.50
Good.....	1.00

TULIPS.....\$2.00, \$3.00 to 4.00

FERNS, per 1000, \$2.50. SMILAX, per doz., \$1.50 to \$2.

ADIANTUM, per 100, \$1 to \$1.50. GALAX. per 1000, \$1.

SPRENGERI, per 100, \$2.00 to \$3.00.

ASPARAGUS SPRAYS, per 100, \$2 00 to \$3.00.

F. J. Krauss, with the E. F. Winterson Co., entertained a number of friends at his home last Saturday evening, February 24, and the following people in the trade were present: Joe Welch, Otto Goerisch, Edgar Winterson, Miss Edmunds, Warren Johnson, Miss Elsie Winterson, George Pieser and wife, George Goebel, Nicholas Wastenburg, Arthur Meirik, John Loser and Leo Gannon. Several of the above entertained those present with vocal selections and Joe Welch and his fair companion gave an exhibition of the turkey trot and danced the latest society waltzes. Mrs. Krauss saw to it that the party did not go hungry and the table that was set for the crowd was fit for a king. That the young people had a most enjoyable time was certain, for a few were slow to leave, and from last reports it was heard that they had remained for breakfast.

The Geo. M. Garland Co. has got something new in the greenhouse manufacturing line but as yet we have been unable to find out just what it really is. Whatever it is, it has got the trade guessing and some of the growers are inclined to think that it may possibly be another range of greenhouses built on wheels or, better yet, an aeroplane range. The Garland Co. will have wall space at the Illinois State Florists' Association's meeting at Joliet next week, and it remains to be seen whether it will then inform the trade of its invention or not.

C. L. Washburn and A. T. Pyfer are devoting a great deal of time to the interests of the State Florists' Association and are endeavoring to make the next meeting in Joliet on March 5-G the greatest in the history of the

"The Busiest House in Chicago"

HEADQUARTERS

For Wild Smilax, Boxwood, Asparagus Plumosus Sprays,
Asparagus Sprengeri Sprays, Fancy Chicago
Grown and Choice Eastern Violets.

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO.

organization. Both of the gentlemen have a large number of application blanks in their possession that need signatures and they would greatly appreciate it if the florists in this state that are willing to help a good cause along would enroll as members.

The Chicago Carnation Co.'s crack baseball team cordially invites the trade to attend the dance that it will give in the Adams hall next Tuesday, in honor of the visitors to the meeting of the Illinois State Florists' Association, which will be held in Joliet on March 5. Better go, Herald and Princess Charming will be there.

Poehlmann Bros. Co. are showing fancy stock in all lines with a large quantity of roses showing up exceptionally well. American Beauty roses are arriving in much larger quantities and new stock, especially in the longer grades, is noted.

J. L. Goul, formerly connected with some of the large rubber concerns

in the east, is now talking greenhouse hose with the growers in this vicinity in the interests of the N. J. Car Spring & Rubber Co. of this city.

N. J. Wietor says that the stock in Wietor Bros.' greenhouses is doing nicely and is looking very promising and that his firm still has a fine lot of rooted carnation cuttings to offer.

The Des Plaines Floral Co. reports that their carnation crops have been injured and set back considerably from the effects of gas entering the greenhouses.

Albert Lies of Niles Center is already to start work on the new greenhouse that he is going to build this spring.

Kennicott Bros. Co. has just received a shipment of 40 cases of boxwood.

Allie Zech has been on the sick list for a couple of days this week.

WHITE KILLARNEY

Killarney, Richmond, Beauties, Mrs. Marshall Field, and Maryland Roses, also Carnations.

EXTRA FANCY STOCK. FINEST IN THE MARKET.

CURRENT PRICE LIST.

AMERICAN BEAUTIES	
Extra long.....	Per doz. \$ 5 00
36 inch stems.....	4 00
30 inch stems.....	3 00
24 inch stems.....	2 50
20 inch stems.....	2 00
15 inch stems.....	1 50
12 inch stems.....	1 00
Shorts.....	75
Per 100	
RICHMONDS, Special.....	10 00
Select.....	8 00
Medium.....	6 00
Shorts.....	\$ 4 00 to 5 00
KILLARNEY, Special.....	10 00
Select.....	8 00
Medium.....	6 00
Shorts.....	4 00 o 5 00
WHITE KILLARNEY, Special	10 00
Select.....	8 00
Medium.....	6 00
Short.....	4 00 to 5 00

MY MARYLAND, Special.....	
Select.....	Per 100 10 00
Medium.....	8 00
Short.....	6 00
SUNRISE, Select.....	4 00 to 5 00
Medium.....	10 00
Short.....	8 00
MRS. MARSHALL FIELD	5 00 to 6 00
Special.....	0 00
Select.....	8 00
Medium.....	6 00
Short.....	4 00 to 5 00
PERLES, Special.....	10 00
Select.....	8 00
Medium.....	6 00
Short.....	5 00
Roses, our Selection.....	4 00
Carnations, Fancy.....	2 50
" Good.....	2 00
" Splits.....	1 00 to 1 50

Harrisii Lilies,	
per doz., \$1.50	Per 100
Valley.....	3 00 to 4 00
Violets.....	60 to 75
Sweet Peas.....	75 to 1 00
Paper Whites.....	3 00
Tulips.....	3 00
Romans.....	3 00
Asparagus, bunch.....	3 00
" strings, 60c to 75c ea.	
" Sprengeri.....	2 00
Smilax.....	1 50 to 2 00
Mexican Ivy.....	75
Galax, bronze and green,	
per 1000, \$1.00	
Leucothe Sprays.....	75
Boxwood, per bunch.....	.25c
Ferns.....per 1000, \$2.50	

PETER REINBERG,

30 E. Randolph Street,

CHICAGO.

SATISFIED CUSTOMERS

Are Our Best Advertisers

We can satisfy you with ROSES, Carnations, Violets, Valley, Sweet Peas, Daffodils, Tulips, Harrisii, Callas, Asparagus and Ferns, as well as all other seasonable stock.

Send Us Your Orders and Let Us Convince You of the Above Fact.

Special prices on Carnations in large quantities. Write for prices.

No Order
2
Large.

J.A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

No Order
2
Small.

Hoerber Bros. are cutting heavily in roses and carnations and are offering choice stock in all lines. The carnations particularly are arriving in extra fine condition and are a credit to this progressive concern and its efficient grower.

Frank Johnson, of the A. L. Randall Co., is drumming up trade in St. Paul and Minneapolis this week. Emil Buettner is shipping a fine grade of Killarney roses to this firm and some extra fancy stock can be seen at the store this week.

The E. F. Winterson Co. is featuring a fine grade of carnations and lilies and is receiving its share of the large supply of violets that are coming into this market. Mr. Winterson says that business has been good and that he has no cause to complain.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

ROSES

J. F. KIDWELL, Pres.

ED. MEURET, Vice-Pres.

ANTON THEN, Treas.

G. C. WEILAND, Sec'y.

PRICE LIST:

LARGE SUPPLY OF SHORT AND MEDIUM

VALLEY

Extra Fancy, \$3.00 per 100.

VIOLETS

Fancy Home Grown Fragrant,
New York Double and
California.

BULB FLOWERS

Large Supply of Everything Seasonable.

Special Sale on

BRONZE GAIA \$5.50 per case

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.50	\$ 2.00	1.50	\$ 1.25
Killarneys.....per 100	10.00	8.00	7.00	6.00	5.00	4.00	3.00
White Killarneys.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Richmonds.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
My Maryland.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Perle.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Maid.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Brides.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Carnations.....	3.00	2.00	1.50				
Callas.....	12.50	10.00					
Easter Lilies.....	10.00	8.00					
Orchids, Cattleyas.....	35.00						
Lily of the Valley.....	4.00	3.00	2.00	1.50			
Violets, Princess of Wales.....	.60	.50	.40				
Violets, single and double.....	.75	.50	.40				
Sweet Peas.....	4.00	3.00					
Mignonette.....	3.00	2.00					
Romans.....	3.00						
Narcissus.....	3.00						
Daffodils.....	3.00						
Tulips, Pink Novelty.....	5.00						
Tulips, assorted colors.....	4.00	3.00	2.00				
Jonquilla.....	3.00						
Daisies.....	1.00						
Asparagus Plummosus Sprays.....	4.00	3.00	2.00				
Asparagus Sprenger Sprays.....	3.00	2.00					
Mexican Ivy, \$5.00 per 1000.....	.60						
Smilax.....	12.50	10.00					
Adiantum.....	1.00						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.50						
Boxwood, 50-lb. case \$6.00.....bunch	.25						

Charles L. Washburn, the popular wholesaler, celebrated his birthday February 27. He says "It's 45 or 54. Take your choice. I feel the same at either age." He received a birthday remembrance from each of his employes and the mail was full of letters containing congratulations from his large circle of friends throughout the country.

John Kruchten visited John E. Trimble's greenhouses at Princeton last week and was well pleased with the condition of his grower's stock and says that the outlook for a supply of roses and carnations from this source is very good. Mr. Kruchten is now receiving a large quantity of lilies and is in a position to take care of all orders for these flowers.

Clifford Pruner, E. H. Hunt's efficient traveling representative, is in the city for a few days this week, but will start out on another trip Sunday, March 3. Paul M. Byrant says that he still has a number of his firm's new spring catalogues left and that he would be pleased to mail one to all those who have not yet received a copy.

The shipping trade is on in earnest at the George Wittbold Co.'s greenhouses in Edgebrook and all hands are kept busy getting the stock ready for shipment. The demand is principally for bedding plants although a good many orders for decorative stock are also received.

Miss Paradise, A. L. Vaughan & Co.'s popular book-keeper, celebrated her birthday (?) with a party at her home on Wednesday evening, February 21, and prominent among her many beautiful gifts was a handsome bracelet with a solitary diamond setting. "Nuff said."

John Zech is again on the job at his old stand having returned from a most

enjoyable visit at New Orleans, La. Mr. Zech has a great many friends in the southern metropolis and has for many years been making them an annual visit.

Peter Reinberg is receiving a large supply of roses, with White Killarney especially arriving in very large quantities. Some fine Richmond and a large number of American Beauties are included in the shipments.

A. L. Vaughan entertained the Five Hundred club at his home in Oak Park last Saturday, February 24. The genial wholesaler is some entertainer and it is needless to say that the crowd had a most enjoyable time.

Nick Dahm of Niles Centre is thinking seriously of rebuilding his entire range of greenhouses this summer or next fall. He grows carnations only and consigns his stock to Percy Jones.

Dwight L. Harris, president of the Pulverized Manure Co., says that the orders are coming in right and left, and that everything has a cheery outlook for a fine spring trade.

J. F. Kidwell says that he had the biggest day of the year at his Wentworth avenue store on February 21 when there were many large orders for funeral work.

W. H. Hilton has sold his lease on his East Sixty-third street store and will after Easter concentrate business at his Fifty-third street establishment.

George Perdikas is making preparations to open another store on East Van Buren street and is now getting the building ready for occupancy.

Chas. W. McKellar is headquarters for fancy single and double stocks and is booking orders for St. Patrick's green dye for Ireland's day.

The Chicago Fruit & Floral Co. 39 West Randolph street, is soon going



**American Beauties,
Roses,
Carnations,
Orchids, Gardenias,
Valley, Violets,
Daisies, Lilies, Etc.
Greens.**

At lowest market rates

Weiland & Risch

154 N. Wabash Ave.,
CHICAGO.

to discontinue their fruit business and will sell cut flowers only.

J. B. Deamud was greatly missed at the store on February 27, when he performed his duties as judge of election in the 7th ward.

The Batavia Greenhouse Co. is now in good crop with Killarney, White Killarney and Richmond roses.

E. B. Washburn and wife are enjoying a few days visit with friends at French Lick, Ind.

Louis Wittbold took his third degree in Masonry last Friday, February 23.

Frank Oechslin is booking orders for shamrocks for St. Patrick's day.

HEADQUARTERS FOR TULIPS

Daffodils, Sweet Peas, Violets,
Lilies, Jonquils and other choice Seasonable Stock.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.
Long stems		\$ 5 00
30 to 38-inch stems		4 00
20 to 24-inch stems		3 00
18-inch stems		2 00
12 to 15-inch stems		1 50
Shorts		1 00
		Per 100
White Killarney	Special	\$10 00
Killarney	Fancy	8 00
Maryland	Medium	6 00
	Short	4 00 to 5 00
Richmond	Special	10 00
"	Fancy	8 00
"	Medium	6 00
"	Short	4 00 to 5 00
ROSES, our selection		per 100, \$4.00
Lillies	per doz.,	\$1 50
Callas	per doz.,	1 50 to 2 00

Carnations, common	.....	\$1 50 to \$2 00
" fancy	.....	3 00
Cattleyas	per doz.,	\$4 00 to 6 00
Daffodils	.....	3 00
Jonquils	.....	3 00
Tulips	.....	3 00 to 4 00
Valley	.....	3 00 to 4 00
Violets	.....	50 to 75
Paper Whites and Romans	.....	3 00
Sweet Peas	.....	50 to 1 00
Smilax	per doz.,	\$1 50 to \$2 00
Asparagus Strings	each,	75c
Asparagus Plumosus	per bunch,	25c to 50c
Fancy Ferns	per 1000,	\$2.50
Wild Smilax	per case,	\$5 00
Boxwood	per lb., 25c; 50 lbs.,	7 50
Mexican Ivy	.....	75
Galax, green and bronze	per 100,	\$1 00
" " " "	per case,	\$7 50

A. L. VAUGHAN & CO.
Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

Otto W. Frese, formerly manager of the Chicago Flower Growers' Association, has resumed his former position with Poehlmann Bros. Co. and entered upon his duties Wednesday, February 28. Mr. Frese needs no introduction to the trade for he has been identified with the wholesale business on the local market for a great many years.

J. F. Kidwell will have charge of the Chicago Flower Growers' Association store until a new manager will be selected, which will probably be in the very near future. Geo. C. Weiland will look after the correspondence, Chas. Erne the local trade and Frank Potocka will have charge of the shipping department.

Peter Reinberg of the Twenty-sixth ward and Wm. F. Schofield of the Twenty-first ward were successful in the primary election last Tuesday when they secured the nomination for alderman on the democratic ticket in their respective wards. Oh, you Harrison!

The Raedlein Basket Co. is doing a fine business and is prepared for a still larger trade with the finest line of baskets that it ever offered. Fancy cut flower and plant baskets for Easter of every description are being offered and meeting with ready sale.

Stollery Bros. are shipping a fine grade of tulips to the J. B. Deamud Co., where they are attracting the attention of the best trade. The flower and stems are good, but the foliage is particularly fine and of unsurpassed quality.

H. E. Philpott returned to his home in Winnipeg after attending the special meeting of the local Florists' Club at the Union restaurant last Friday, February 3.

John Sinner is pleasing his customers with lilies that are of exceptionally fine quality.



ORCHIDS

and All Other Desirable Flowers

GREEN DYE

Don't overlook the fact that I have the Best St. Patrick Green Dye on the market. Do not buy the expensive fluid when you can get this powder and mix it yourself. Per package, 25c; 3 packages, 60c; per doz., \$2.00, postage prepaid. Package will dye from 100 to 150 carnations. Order now.

CHAS. W. MCKELLAR

162 N. Wabash Avenue,
CHICAGO.

BRANT & NOE FLORAL CO.

Grows Carnations Only. Nineteen years of direct shipments from greenhouses to retailers, at reasonable prices, is the cause of so many long satisfied customers.

We Know Our Business and do everything in our power to please. Send your orders. Get as good as the best, at first cost affording you a profit with patrons seeking your store again and again.

Write or Wire **BRANT & NOE FLORAL CO., 5744 Brantwood Ave. CHICAGO**

The Illinois State Florist Association meets in Joliet March 5-6. A good time is promised to all those who attend. Be there.

J. A. Budlong is cutting fine stock in all lines and choice roses and carnations can be seen in large quantities at the store this week.

Large Supply of Lilies

Gardenias, Carnations, Valley,
Roses, Violets, Hyacinths, Sweet
Peas, Tulips, Jonquils, Greens.

Send Us Your Orders—We Will Take Good Care Of You.

JOHN KRUCHTEN

162 N. Wabash Ave.,

CHICAGO

E. F. WINTERSON CO.

166 N. Wabash Ave.,
CHICAGO

Wholesale Cut Flowers and Green Goods.

E. J. Olsan of Ames, Ia., was in the city this week on business and pleasure combined. He placed a large order with the Raedlein Basket Co. for an assortment of all the latest novelties in both cut flower and plant baskets and visited his old friend Peter Risch in Evanston last Sunday. Mr. Olsan met his daughter, Mrs. Model, of Cincinnati, here, and she returned home with him.

Fred Strail, with the Briggs House Florist, arranged a very pretty decoration for Mrs. S. M. Frankland in the Francis Furst room of the Congress Hotel, Wednesday, February 27. Forty-four corsages of lily of the valley and orchids were included in the order.

Visitors: Wm. Nicholson, Framingham, Mass.; N. O. Welander, Merriam Park Floral Co., Merriam Park, Minn.; Wm. Espel, Benton Harbor, Mich.; H. E. Philpott, Winnipeg, Can.; E. J. Olsan, Ames, Ia.

Illinois State Florists' Association.

The Illinois State Florists' Association will hold its seventh annual meeting in Joliet, March 5-6. This is a call to every florist in the state to come to this meeting. We need you to help the good cause of the florist trade, and you not only need us but can see what the association has done and will do for you. The florists' industry is growing rapidly and its various needs, such as the standardization of grades—both of flowers and plants, should be made uniform all over the state. There is also a universal demand that introducers of new varieties should not only show these varieties to the florists but should explain their methods of culture and give the average number of blooms that can be cut from a plant under ordinary conditions. We need some uniform methods of determining the values of new varieties. Take, for instance, this new rose, Sunburst. E. G. Hill has promised to come to our meeting and give

us some facts regarding it. These are what we want to know.

The association assisted very materially in getting the express rates reduced and stands ready to join with the other mercantile associations in the state in protecting our trade from unreasonable rules or rates.

Our association is recognized by the other trade associations as being an important factor in the general business of the state. This puts all florists on a good commercial basis and helps advertise the business as an important and prominent industry. Now, don't stand back and let some brother florist do your share as well as his own in looking after the interests of such a business, but come on along and help all you can. Bring a small exhibit if possible. The dues are only \$1.00 per year. Illinois expects every florist to do his duty and attend this convention.

C. L. WASHBURN, Pres.

A. T. Pyfer, who has charge of the arrangements, makes the following statement: Trains leave Chicago on the Rock Island Railroad at 8:30 a. m. (which will reach Joliet in time for the opening Wednesday), and 11:45 a. m., and at 7:00 a. m. on the Chicago & Alton, returning at 6:00 p. m. and 8:27 p. m. on the Rock Island and at 7:00 p. m. on the Chicago & Alton. The fare from Chicago is 74 cents. The headquarters will be at the Hotel Munroe, with rates at \$2.50 per day American plan. A number of applications for space have been received from the supply firms, the rate for which with a banner sign is \$5.00. The hall is a large double store, centrally and favorably located only half a block from the Hotel Munroe and three to four blocks from all depots.

HOLYOKE, MASS.—The February meeting of the Florists' and Gardeners' Club was held at the Massachusetts Agricultural College, Amherst. W. H. Elliott of Brighton gave an instructive talk on roses. The March meeting will be held at Mount Holyoke college conservatories, March 5.

Omaha, Neb.

Business has been good since the first of the year and the florists in this vicinity have no reason to complain. The severe cold weather in January made stock scarce, especially roses, and they commanded good prices. American Beauties never were so scarce as in January and February, but from now on all roses will be more plentiful and of good quality. The trade on St. Valentine's day was large in all flowers, violets taking the lead. Carnations are plentiful, as well as bulbous stock of all descriptions.

NOTES.

J. J. Hess and wife with their two children and Miss Swoboda will leave for Europe May 1 on the steamer Pres. Grant. Miss Swoboda will stay one year in Berlin. Mr. and Mrs. Hess and family will return the latter part of September.

Four weeks ago a gas pipe burst near P. Floth's greenhouses and caused considerable damage to his stock. The gas company settled with Mr. Floth for a good sum which prevented a law suit.

The outlook for a good Easter trade is bright. The lilies are showing up fine as well as other Easter stock.

GRIPPE.

Chicago Bowling.

Individual and team scores for games played February 21:

Carnations.		Orchids.	
Lorman ..150	122 158	Huebner ..130	130 108
Ayres ..160	170 129	Graff ..168	133 153
Schultz ..124	182 174	Krauss ..181	159 168
Balliff ..153	169 149	Farley ..147	191 169
Zech ..168	167 158	Huebner ..192	166 161
Totals ..755	810 768	Totals ..818	779 759
Roses.		Violets.	
Winterson..114	128 106	Schlossm'n..137	141 166
Stack ..126	148 156	Simon ..143	156 153
Welch ..125	142 95	Bernier ..109	150 175
Wolf ..145	169 177	O'Neil ..128	110 80
Fischer ..168	189 164	Van ..149	129 151
Totals ..678	776 688	Totals ..726	695 725

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House.

66 E. Randolph Street,

CHICAGO.

Everything in Cut Flowers and Supplies.

WIRE, WRITE OR TELEPHONE CENTRAL 1496.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave **E. H. HUNT** CHICAGO, ILL.

Geo. Reinberg

Wholesale Florist

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing

Denver.

The weather conditions for the past week have not been very favorable for business. Snowstorms have been the order all the week and at present one of the heaviest snowstorms of the season is in progress. The Lenten season too has had a marked effect on business, the result being a surplus of stock. Carnations are beginning to accumulate and though not many have as yet been sacrificed the indications point that way. American Beauties continue to be very scarce and the quality of what are coming in is only fair. Tea roses are in better condition and the supply is larger than it has been for some time. Sweet peas are of good quality, but the supply has been greater than the demand and some have had to be sacrificed. The prevailing cloudy weather will reduce this crop considerably. Violets have had a bad week and can be bought for 50 cents per hundred. A visit to the greenhouses finds the growers busy getting the Easter stock in shape. Lilies are coming along in nice shape and there will be but a very small percentage lost this year from disease. Hydrangeas are well budded and will be in excellent condition. Rambler roses are coming along nicely; there will not be so many of the larger sizes, the smaller ones being in greater demand. Bedding stock is being pushed along as fast as space will permit. The Park Floral Co. Elitch-Long Greenhouses, Mauff Floral Co., D. S. Grimes & Son and Newlander & Rollins have every available inch filled with stock ready to be shifted as soon as space can be secured.

NOTES.

F. C. Meyer, rose grower for Emil Glauber, has gone to Richmond, Ind., where he has accepted a position with the E. G. Hill Co.

The South Side Greenhouses, N. A. Benson, proprietor, will add five large greenhouses to the plant this coming spring.

A. G. Robinson and wife have removed to La Junta, having bought out the place of D. March.

Frank Fraser, with the Alpha Floral Co., has been confined to the house with la grippe. E. P. N.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

	CHICAGO Feb. 28.	Per doz.
Roses, Beauty, specials,	5 00
" " 36-in	4 00
" " 30-in	3 00
" " 24-in	2 00
" " 15-20-in	1 50
" " 12 in	1 00
		Per 100
" " Short	4 00@ 6 00
" Killarney	3 00@12 00
" White Killarney	3 00@12 00
" Richmond	3 00@12 00
" Prince de Bulgarie	8 00@15 00
" Mrs. Aaron Ward	8 00@15 00
" My Maryland	3 00@12 00
" Perle	3 00@10 00
" Melody	8 00@15 00
" Bride	3 00@12 00
" Bridemaid	3 00@12 00
" Uncle John	6 00@ 8 00
" Mrs. Jardine	3 00@10 00
" Mrs. Marshall Field	3 00@10 00
Carnations	1 00@ 4 00
Cattelyas	per doz.,	4 00@ 6 00
Dendrobium Formosum	5 00@ 6 00
Daffodils	3 00
Gardenias	3 00@ 4 00
Lilium Harrisi	per doz.,	1 50 10 00
Mignonette	4 00@ 6 00
Paper Whites	3 00
Romans	3 00
Sweet Peas	50@ 1 00
Freecias	3 00
Stocks, single	per bunch,	1 00
double	1 50
Tulips	3 00@ 4 00
Valley	3 00@ 4 00
Jacquils	3 00
Violeta, Single	1 00
Double	75.
Adiantum Croweanum	1 00
Boxwood	per bunch,	25
Ferns	per 1000,	2 00@3 00
Galax bronze	1 00
green	1 00
Leucythae	75
Mexican Ivy	75
Plumosa String	each,	50@ 60
Smlax	per doz.,	1 50@2 00
Sprengerl, Plumosa Spraya	3 00@ 4 00

PEORIA, ILL.—The stock in Chas. Loveridge's greenhouses has been damaged considerably by gas and the loss is reported to be very large.

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

183-165 N. Wabash Ave Chicago
L. D. Phone Central 488.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS
162 N. Wabash Ave., CHICAGO
Long Distance Phone, Randolph 3619.

HOERBER BROS.

Wholesale Growers of Cut Flowers,
Telephone Randolph 2758.
Greenhouse DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

WIETOR BROS.

Wholesale Growers of **Cut Flowers**
All telegraph and telephone orders given
prompt attention.
162 N. Wabash Ave., CHICAGO

Percy Jones

56 E. Randolph St., CHICAGO

Zech & Mann

Wholesale Florists
Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

Baltimore.

A PROFUSION OF FLOWERS.

The bright sunny days of the past week have caused the flower market to be a mass of bloom—roses, carnations and violets in profusion. Roses are still bringing good prices, carnations and violets have dropped owing to over abundance. Violets are coming in very beautiful and many hundreds have been used and there was a large sale on St. Valentine's day. Washington's birthday did not create any demand for flowers.

NOTES.

The Maryland Automobile Show, held at the Fifth Regiment Armory, has been the leading attraction this week. The fine lighting of this big structure was quite a feature. A chandelier in the center of the ceiling looked like a mammoth sunburst with strings upon strings of electric bulbs, branching from it, intermingled with green and white bunting draped across the whole building. Tall palms were the principal decoration.

A glance through the range of I. H. Moss showed roses, carnations and lilies looking fine. Beacon has done very well here this season. Rambler roses and rhododendrons are being forced with bulbous stock for Easter. Cinerarias and primulas are in full bloom. Bridesmaid will probably be discarded next season, the popular Killarney taking its place.

The change or transfer of the superintendents of the public parks took place this week. We are very glad to know that James Boone still holds his position at Clifton park. Mr. Boone has excellent taste in the arranging of plants and the city has been beautified by his skilfully arranged beds and decorations.

At the democratic convention, which convenes in June, suggestion has been made to Chairman Crane that they use flowers more than bunting in decorating. It seems a very good suggestion and will mean a liberal use of flowers if carried out.

A jolly crowd in a big touring car have been visiting their fellow florists in Catonsville, Towson and Govans. The party consisted of Robert Graham, Robert Halliday, Geo. Morrison, Martin Lohr and — Fritzi.

The parks were crowded with people Sunday, many without overcoats or wraps. It looked spring-like, and one felt that Easter was not far off.

John Cook has a new seedling rose No. 380, which has proved a good bloomer. *Formosum* lilies and extra good hyacinths find ready sale.

B.

St. Louis.

HEAVY SNOWS.

We experienced during the past week one of the most severe snowstorms in years, practically tying everything up. Flowers have been coming in very plentifully, especially violets, sweet peas and carnations. There has not yet been an over abundance of roses, but there are quite a number of short American Beauties.

NOTES.

Dr. William Trelease, who has been director of the Missouri Botanical Garden since 1889, resigned his position February 26. Dr. Trelease is one of the best known botanists in America and will devote his attention exclusively to research work. His resignation will take effect May 1. He will spend the summer at his cottage in Wisconsin, and in the fall will go to Europe, spending some time at Kew Garden, London, also Berlin and Paris. He gives his staff much praise, crediting it with much of the success obtained at the garden.

—THE—

J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Mention the American Florist when writing

Wholesale Flower Markets

CINCINNATI, Feb. 28.

Roses, Beauty.....per doz., 75@ 5 00	Per 100
" Bride, Brideeismid.....	3 00@ 8 00
" Killarney.....	4 00@ 12 00
" My Maryland.....	4 00@ 12 00
" Perle.....	4 00@ 6 00
" Richmond.....	4 00@ 12 00
Carnations.....	2 00@ 3 00
Freeseias.....	3 00@ 4 00
Lilium Giganteum.....	15 00
Lily of the Valley.....	3 00@ 4 00
Narcissus.....	3 00
Jonquils.....	3 00
Sweet Peae.....	50@ 75
Violets, double.....	50@ 75
" single.....	50@ 75
Adiantum.....	1 00@ 1 50
Asparagus Plumosus.....per bunch.	25
Asparagus Sprengerl.....per bunch.	25

St. Louis, Feb. 21.

Roses, Beauty, medium stems.....	20 00@ 25 00
" short stems.....	2 00@ 4 00
" Bride, Brideeismid.....	3 00@ 4 00
" Killarney.....	5 00@ 10 00
" My Maryland.....	3 00@ 10 00
" White Killarney.....	5 00@ 10 00
Carnations.....	2 50@ 3 00
Callas.....	10 00@ 12 50
Easter Lilies.....	10 00
Valley.....	3 00@ 4 00
Asparagus Sprengerl.....	2 00@ 3 00

Julius Schaeffer, with the M. M. Ayres Floral Co., arranged a very pretty window decoration on Washington's birthday; bark, cherry trees and laurel wreathing were used. Mrs. Ayres had her hands full with funeral work, some of the handsomest and most costly designs being furnished.

Wm. C. Smith Wholesale Floral Co. have an immense stock, but bad weather and poor demand have greatly impaired their violet and sweet pea sales.

George Walbart was anxiously awaiting Chicago shipments one busy day which were delayed by the heavy snows as all the trains were late.

F. C. Weber has a splendid stock of palms and beautiful flowers, many of the latter coming from the greenhouses of John Steidle.

H. G. Berning is receiving carnations of extra fine quality and a large number of American Beauty roses.

Fred H. Weber is busy getting his stock of blooming plants ready. Some fine azaleas were to be seen.

C. A. Kuehne is adding new consignors. All the visitors admire his beautiful store.

Geo. H. Angermueller has some extra fine lilies. The boys always seem to be busy.

Grimm & Gorly arranged a large number of designs for the Forester funeral.

Paris Floral Co. had a special sale of carnations Saturday.

There is quite a shortage of sphagnum moss.

Kalisch Bros. Floral Co. are well stocked with jonquils. W. F.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1815 Pine St., ST. LOUIS, MO.
Both L. D. Phones.
Supplies and Everything in Season always on hand
Mention the American Florist when writing

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.
Mention the American Florist when writing

THE MUNK FLORAL CO.
Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.
Columbus, Ohio

Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio
Wholesale Growers of
EASTER LILIES, Ferns and
Decorative Greens
Write for prices
Telephone West 562.

C. E. CRITCHELL
34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

St. Patrick's Carnation Fluid,
(For coloring Carnations Green)
Per Qt. \$1.00. Per Pint, 50c

GEO. H. ANGERMUELLER,
Wholesale Florist,
1324 Pine Street, ST. LOUIS, MO.

New Orleans.

The weather for the Mardi Gras carnival was delightful and the florists all report a big business. There were numerous balls and entertainments and the largest number of visitors present which has been recorded for years.

NOTES.

John Zech of Chicago, accompanied by his daughter and son-in-law, Mr. and Mrs. James Cunningham, were visitors during the carnival. He says while in Chicago they are shoveling snow here they are pushing the lawn mowers.

The first florist's business auto is that of Chas. Eble, a White steamer of 40 h. p. with movable top. It can be used as open truck, panel body or touring car.

T. E. Waters of Poehlmann Bros. Co., Chicago, was a visitor carnival week. C. E.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

Cincinnati.

RECEIPTS MUCH LARGER.

Flowers are coming in strong in most all lines. The quality, too, is good. The prices are getting down to such a plane where, if the retailer gets his price he can coin money. The only real shortage is still in roses. They are coming in slightly stronger and, judging from the condition of the stock, should get to the place where the receipts easily take care of all orders any day. The long-stemmed American Beauties are better in quality than they were and are cleaning up nicely. The short and mediums are not selling quite as quickly as the long, and usually there are a few left. Richmonds are selling well. The market is loaded with carnations of all kinds. They are mostly all of good quality and somehow or other a very large part of them are used, but, of course, not always at top prices. In sweet peas only the long-stemmed ones are selling. They are, in fact, in demand. The short-stemmed are usually not taken at all or at big sacrifices. What is true of the last is equally true of double violets. They are scarcely moving at all, while the single ones, though selling better than the doubles, are not going any too well. Lily of the valley is about equaling the demand for it. At times, however, when the request is unusual, it runs short. Bulbous stock is good and the supply of every kind is easily adequate. The sales are none too large, even lilies and callas which have been short are now abundant, and at the time of this writing it would have been no trick to fill the largest of orders with the stock on hand. The business in green goods is very satisfactory.

NOTES.

The auto show of the past week brought many visitors, including florists, to the city. Among them was the manager of the Buick Floral Co. of Washington C. H., who came with the expressed intention of purchasing a machine.

The heavy snow that piled up on the roofs of P. J. Ollinger's greenhouses at New Castle caused part of one of them to go down. The loss was about \$1,500.

M. Herms of the Herms Floral Co., Portsmouth, stopped in this city on his way to Florida.

C. E. Critchell has been getting some very fine callas from Dan Ruttle of Latonia, Ky.

Visitors: Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia; C. W. Scott of the Yokohama Nursery Co., New York. H.

Detroit.

The coal embargo at Toledo, Ohio, where thousands of cars of coal were held during the severe cold spell, destined for this city, is now raised, and greenhouse men feel some relief with the prospect of fuel for their depleted bins.

Hufford & Maebius, 51 Gratiot avenue, will vacate their present store April 1. They have taken a long lease of the new three-story building 247-249 Randolph street and will occupy the same about March 10.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 3209. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.



**A Good Place to Buy Cut Flowers,
Palms, Ferns**

**Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.**

Wholesale Flower Markets

MILWAUKEE, Feb. 28.

Roses, Beauty..per doz.,	1 50@ 6 00
" Killarney	5 00@12 00
" Richmond	5 00@12 00
" White Killarney	5 00@12 00
Carnations	1 50@ 4 00
Lilium Giganteum	12 50@15 00
Lily of the Valley	3 00@ 4 00
Paper Whites	3 00@ 3 00
Snappdragons	per bunch, 35@ 75
Violets	50@ 1 00
Adiantum	1 50@ 1 50
Asparagus	per string, 50@ 75
" Sprengerl, per bunch,	25@ 35
Ferns, Fancy	per 1000, 2 00
Galax, green	per 1000, 1 50
" bronze	per 1000, 1 50
Smilax	per doz., 1 75
Wild Smilax	per case, 5 00

Cleveland.

STOCK MORE PLENTIFUL.

Business has continued fair, considerable funeral work being done by many of the retailers. Stock is improving and is more plentiful in all grades. The supply of lilies and callas exceeds the demand, but good lily of the valley has been a little scarce. Violets are plentiful and meet with a fair demand, the Marie Elise violet also seems to gain favor, and some day will be in as good request as the older varieties. Orchids are selling a little slow, carnations of all varieties are plentiful and have dropped in price. Roses, too, are lower in price with stock enough to fill all orders with the exception of long-stemmed American Beauties which are short of the demand. Greens of all kinds sell well.

NOTES.

The Jones & Russell Co. has a large decoration for the Hardware Association convention this week, at the Chamber of Commerce and Engineers' building and Colonial club. Nearly

Seattle Cut Flower Exchange

909 Post St., SEATTLE, WASH.

Everything in Cut Flowers, Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

100 tables to decorate besides the overhead decorations, also about 200 corsages of violets and roses for the ladies. A big job for one day.

The Smith & Fetters Co. had very attractive window displays both for St. Valentine's day and Washington's birthday.

The Wilson Florist Co. is making extensive improvements at its greenhouses and will be ready for the increasing business. C. F. B.

TOLEDO, O.—Ernest Glauser, Michigan avenue and Manhattan boulevard, has filed a voluntary petition in bankruptcy, listing his indebtedness at \$1,902.13 and his assets \$825.

Milwaukee.

The bowling scores last week were as follows:

G. Rusch..144 158 183	N. Zweifel..140 169 123
G. Phol..176 182 182	A. Leidiger..119 135 180
G. Kellner..180 172 132	Halliday..164 134 160
G. Huukel..117 120 136	Oestreich..r.118 94 82
C. Gutbrod..179 155 146	R. Leitz..110 93 105
A. Hare..112 130 118	R. Currie..150 115 ...
L. Manos..110 156 114	

Rooted Carnation Cuttings of Mrs. C. W. Ward and Alma Ward

\$3.50 per 100; \$30.00 per 1000. Delivery Feb. 1.

Both varieties are too well known to require any description. Most growers who bought cuttings last spring are growing them successfully. The flowers continue to be in favor with the retail trade and command the best prices.

Also almost all the Commercial Varieties on the market today.

THE LEO NIESSEN CO.,

Wholesale Florists,

N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

Philadelphia.

STOCK OF EXCELLENT QUALITY.

Business has been quieter since Lent came in but prices on all good stock are well maintained. A few mild days with increasing sunshine will, however, make a difference and lower prices will prevail, which in turn will revive the drooping trade. The penitential season has no longer any terror for the active florist, as with cheaper flowers, better displays are made, and this invariably draws business. That there is business to be had is evidenced by the large quantities of flowers that are handled by the street men just as soon as the weather permits them to open up their sidewalk stands. The stock in all lines now seen in the market is excellent. There are grand Killarneys and White Killarneys, carnations and sweet peas good enough for any exhibitor, in fact the select stock in all lines is all that could be desired. Easter lilies are perhaps a little overdone but they move fairly well at that. Bulbous stock, such as tulips and daffodils, also have to be pushed and the prices realized leave little for the grower. Snapdragon is a coming flower and will soon be offered in quantity in several grades. Gardenias are a trifle easier, as are cattleyas, the prices of which are made to meet a customer who can use a quantity. Greens of all kinds are still scarce and clean up every day.

NOTES.

The wind storm which visited the eastern coast last week was very severe in this vicinity; it was probably the strongest continuous wind storm ever experienced, lasting from six to eight hours in its fierce intensity and considerably longer before its force died out. Singular to say, however, there was little damage of any consequence to the greenhouse men, their greatest loss being in loose panes of glass, which were blown out by the force of the wind or sucked out by the vacuum. During such a storm all thoughts turn to the balloon houses of the Florex Gardens at North Wales. These mammoth structures we are glad to say stood the furious blow without the slightest damage except the loss of a few loose lights of glass. It is safe to say that they will never be subjected to a more severe test and their strength is a great card for the builders, the King Construction Co.

Walter P. Stokes has returned from Bermuda and is full of the beauties of those famous islands. The Easter lily as grown there is, however, not one of them and Mr. Stokes says that the field plants are for the most part a sorry lot. In a number of instances he saw the growers spraying them with some sort of insecticide. In contrast to this he recalled a visit there fifteen years ago when the stock seemed very luxuriant and there were few if any diseased plants to be seen.

Joseph H. Campbell has sold his large lot at Germantown avenue and Venago street, with his dwelling and greenhouses, covering three-quarters of an acre of ground, for \$35,000. This is to be used as a theatre site for the Keith circuit. Under a portion of the theatre there will be stores, one of

Wholesale Flower Markets

PHILADELPHIA, Feb. 28.		Per 100
Roses, Beauty, extra.....	60 00@75 00	
" " first.....	30 00@40 00	
" Bridal and Maids.....	4 00@15 00	
" Killarney.....	4 00@15 00	
" White Killarney.....	4 00@15 00	
" Liberty.....	4 00@15 00	
Callas.....	800@12 00	
Cattleyas.....	35 00@50 00	
Daffodils.....	2 00@3 00	
Gardeolas.....per doz.,	2 00@3 00	
Lilium Harrilli.....	10 00@15 00	
Lily of the Valley.....	3 00@5 00	
Marguerite.....	75@1 50	
Mignonette.....	3 0@4 00	
Narcissus Paper White.....	1 50@2 50	
Snapdragons.....	8 00@16 00	
Sweet Peas.....	5@1 00	
Tulips.....	2 00@3 00	
Violeta, single.....	7@1 00	
" double.....	75@1 00	
Adiantum.....	1 00@1 50	
Anasragus.....per bunch,	50	
Smilax.....	15 00@20 00	

which has been reserved for Mr. Campbell, where he will continue the retail section of his business. The new purchasers take possession on June 1.

The Princeton rose continues to attract attention and many pilgrimages are made to that seat of learning to inspect it growing in the houses of Stockton & Howe, the originators. The Robert Craig Co. have secured the handling of the stock and under the skillful management of W. P. Craig, it is sure to reach all the rose centers of the country.

Joseph Heacock will address the Florists' Club at its meeting on March 5, his subject being an account of the "Farmers' Week at Ithaca," from which he has just returned.

The S. S. Pennock-Meehan Co. offer wallflowers, stocks and forget-me-nots. Pussy willows are also good sellers with them.

Ed Reid looks forward to a big Easter, as already he is having inquiries about stock and prices for this busy time.

Snapdragon is one of the features at Leo Niessen Co., an excellent assortment of this favorite being seen.

Callas and Easter lilies are seen in quantities at Berger Bros. Extra fine violets are also a feature.

W. J. Baker is coming round nicely and it is hoped will soon be on the job again. K.

New York State Floricultural Interests.

Answering the call of the New York Florists' Club, the delegates appointed by the different clubs and societies assembled at Cornell university, Ithaca, N. Y., Friday, February 23, at 2 p. m. It could readily be seen by the talk of the delegates the great interest that is being manifested in all parts of the state in this important movement.

Delegates had been appointed from New York, Albany, Buffalo, Syracuse, Rochester, Tuxedo, Glen Cove, and the societies who were unable to appoint delegates sent letters promising their support and expressing their approval of the proposed organization. Promptly at 2 p. m. the meeting was called to order by Charles B. Weathered,

who read the call of the New York Florists' Club. Wm. F. Kasting was made temporary chairman, and John Young, temporary secretary.

Prof. L. H. Bailey gave a brilliant address on the necessity of organizing the floricultural interests of the state, and outlined what all other lines were doing, stating that up to the present time the florists had received no appropriations from the state for floricultural interests and it was all the fault of the florists because they had not asked for it.

Mr. Kasting also gave an interesting talk on the subject and urged the members to so organize that they would not only be in a position to ask for it, but to be in a position to demand it. Upon motion of Arthur Cowee it was decided to form a state organization.

A constitution and by-laws were adopted providing an annual meeting at Syracuse during State Fair week and a regular meeting at the New State College of Agriculture during Farmers' week.

The following were elected to serve until the annual meeting, to be held at the time of the State Fair to be held in Syracuse in September, 1912:

William F. Kasting, Buffalo, president; Dr. Erl A. Bates, Syracuse, vice-president; Charles B. Weathered, New York, vice-president; E. R. Fry, Rochester, vice-president; John Young, New York, secretary; W. A. Adams, Buffalo, treasurer; Prof. A. C. Beal, Ithaca, George Arnold, Rochester, executive committee.

President Kasting appointed the following committees: Legislative committee—F. R. Pierson, chairman, Tarrytown; Wm. T. Logan, Rochester; S. A. Anderson, Buffalo; Charles B. Weathered, New York; John Young, New York. State Fair committee—George E. Thorp, Syracuse, chairman; Wing R. Smith, Syracuse; A. Cowee, Berlin; Frank H. Traendly, New York; F. A. Danker, Albany.

Resolutions were passed pledging the support of the organization to secure a state appropriation of \$75,000 for a horticulture building in Syracuse, and to support the bill introduced in the assembly by Mr. Wende to secure an appropriation of \$50,000 for erecting greenhouses for experimental work in floriculture at Cornell University, Ithaca, N. Y.

Director L. H. Bailey and Prof. A. C. Beal received the standing vote of thanks of the delegates for providing the meeting room and many other courtesies extended.

There were present Wm. F. Kasting, W. A. Adams, Buffalo, George Arnold, E. R. Fry, W. T. Logan, Rochester; C. B. Weathered, John Young, New York; Dr. E. A. Bates, George E. Thorp, Syracuse; Arthur Cowee, Berlin, and I. S. Hendrickson, Floral Park, Long Island.

JOHN YOUNG, Sec'y.

PORT WAYNE, IND.—Frank J. Knecht has placed a contract with the Foley Mfg. Co., Chicago, for six new greenhouses, five 27x200 and one 29x200. Mr. Knecht was formerly superintendent of the W. J. & M. S. Vesey establishment.

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock. Also Asp. Plumosus Nanus Seed from my own plants. WRITE FOR PRICES.

W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other reasonable stock.

Boston.

MARKET WELL SUPPLIED.

We have again entered into a temperate climate such as was experienced during the cold snap, and florists are breathing easier; they agree that it was the hardest cold spell that we ever had. The empty bins and depleted coal piles show plainly what we have gone through. There is a general relaxation of the tense strain we have had, and with mild weather, reported robins and early spring poems, we have cause for thanks. At present the market is plentifully supplied with everything. Roses are somewhat scarce, but the call is not large enough to make a shortage. Brides and Bridesmaids are seen occasionally but not well enough grown to attract any attention. At present they are a thing of the past. Perle des Jardins is seen, crooked-necked and crumpled. As a winter rose it is, and always was, a distinct failure. Carnations are in first-class shape and low prices. There is a better outlet for them as the street stands can again handle them in quantity. Violets are good, the best we have seen in Boston are those grown by A. S. Parker of Stoneham. They are grown to perfection and the bunching is certainly ahead of anything we have seen. Each flower is placed to stand out individually. Enbous stock is plentiful, and some of it is beginning to show some wear. Trade in general for this season is good. Lent has not the terrors and blueness to the florist it used to have.

NOTES.

Isn't it about time we had some poetry from the Philadelphia poet? Probably his next lay will be his annual piece about the shamrock, and ending by officially making a declaration that spring is open.

Glass has taken a jump since the last report and some have been caught in the squeeze caused by the rise.

The sympathy of the trade is extended to Chas. Boyle of T. F. Galvin's, whose wife died last week.

MAC.

Pittsburg.

THE LENTEN GLUT.

The expected and much feared glut is with us, and with us good and strong. All kinds of stock is piled up in every corner of the wholesale houses, and the demand is what is ordinarily expected at the beginning of Lent. The bright weather of the past week was the cause and prices have dropped to a point too low to be quoted.

NOTES.

It seemed to be visiting week at the McCallum Co., Miss Tillie Kyle spending a few days at Cleveland, Jack Martin a few days at Waynesburg and Ross E. Adgate a few at Erie and Oil City.

Murray McGrew has resigned his position with R. J. Daschboch, on account of ill health, and thinks a rest down on the farm during the summer will fit him for the coming winter.

Bee Huscroft, Steubenville, has reformed, got married, and is running for sheriff. The popularity Bee enjoys makes his election as sure as Roosevelt's.

David Aten, Toronto, O., died Saturday, February 24. He has been in

Wholesale Flower Markets

BUFFALO, Feb. 28.		Per doz.
Roses, Beauty, special.....		6 00
" " fancy.....		4 00
" " extra.....		3 00
" " No. 1.....		2 00
" " No. 2.....		50@ 1 00
Per 100		
Bon Silene.....	3 00@	4 00
Perle.....	5 00@	8 00
Maid and Bride.....	4 00@	8 00
Pink Killarney.....	4 00@	10 00
White Killarney.....	4 00@	10 00
Richmond.....	5 00@	12 00
My Maryland.....	5 00@	8 00
Carnations.....	1 50@	3 00
Callas.....	8 00@	10 00
Daffodils.....	2 00@	3 00
Daffodils, Single.....	2 00@	3 00
Lilium Longiflorum.....	10 00@	12 00
Lily of the Valley.....	3 00@	5 00
Mignonette.....	2 00@	4 00
Narcissus Paper White.....	2 00@	3 00
Romans.....	2 00@	3 00
Sweet Peas.....	5 00@	1 00
Tulips Yellow and White.....	2 00@	3 00
Violets.....	40@	60
Adiantum Croweanum.....	75@	1 50
Asparagus, per bunch.....	35@	50
Asparagus Sprengerl.....	35@	50

PITTSBURG, Feb. 28.		Per 100.
Roses, Beauty, special.....	30 00@	40 00
" " extra.....	15 00@	25 00
" " No. 1.....		10 00
" " Bride, Bridesmaid.....	2 00@	6 00
" " Chatensy.....	2 00@	6 00
" " Killarney.....	2 00@	6 00
" " My Maryland.....	2 00@	6 00
" " Richmond.....	2 00@	6 00
Carnations.....	1 50@	2 00
Cattleyas.....		50 00
Lilium Longiflorum.....	10 00@	12 00
Lily of the Valley.....		4 00
Oncidiums.....	3 00@	4 00
Sweet Peas.....	2 00@	50
Violets, single.....		25
" " double.....		50
Adiantum.....		1 00
Asparagus Sprengerl, per bunch.....	35	
sprays.....per bunch.....	35	

BOSTON, Feb. 28.		Per 100
Roses, Beauty, best.....	25 00@	60 00
" " medium.....	15 00@	20 00
" " culls.....	2 00@	4 00
" " Bride, Bridesmaid.....	2 00@	6 00
" " Extra.....	6 00@	12 00
" " Killarney and Richmond.....	4 00@	20 00
" " My Maryland.....	4 00@	20 00
" " Carnot.....	6 00@	12 00
Carnations, select.....	2 00@	3 00
Callas.....	8 00@	12 00
Cattleyas.....	35 00@	50 00
Gerdenias.....	20 00@	25 00
Lilium Longiflorum.....	8 00@	12 00
Lily of the Valley.....	2 00@	4 00
Narcissus, yellow.....	1 00@	3 00
" " white.....	1 00@	3 00
Sweet Peas.....	50@	1 00
Smilax.....	12 00@	18 00

the florist business in that city for quite a number of years and was well and favorably known in this city.

The four largest stockholders of the South View Floral Co. purchased that place at the receiver's sale February 21 and will continue the business.

James Blakenso, who has been manager for C. A. Dunn, Washington, for the past two years, has purchased that place.

C. K. Hoffmeyer, Carnegie, Pa., is shipping in some very fine carnations. Earl Lutes of Monesson has opened a branch store in Donora. J.

EASTON, PA.—A. B. Kleinhaus lost about \$600 worth of palms and other plants by freezing. An explosion of gas blew open the boiler door and the steam pressure went down, allowing the houses to freeze.



Give us a Trial We can Please you.



Roses, Carnations and all kinds of Seasonable Flowers in Stock. **WM. F. KASTING CO.** Wholesale Commission Florists. **BUFFALO N. Y.** Florists' Supplies and Wire Designs.

GOLDEN SPUR YELLOW TULIPS

Best on the Market

THE MCCALLUM CO. Inc. Pittsburg Cleveland

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty. Mention the American Florist when writing

Albany, N. Y.

H. W. Gordinier & Sons Company, Troy, was incorporated with the secretary of state at Albany on February 20. The new company is capitalized at \$50,000 and will deal in seeds, feed and grain. The directors are Hiram W. Gordinier, George A. Gordinier, Clarence H. Gordinier and John G. Leversee. The corporation will succeed H. W. Gordinier, 357-359 River street, Troy.

President F. A. Danker and Louis Menand represented the Albany Florists' club at the meeting at Ithaca on February 23, called for the purpose of perfecting a state organization.

R. D.

NEW YORK NOTICE BOSTON

Consignments Solicited

Our New Store, 46 West 26th St, New York City, is now open with a full line of Cut Flowers from the very best growers. Our specialties are: **ROSES**, Aaron Wards, Waddells, Tafts, Cardinals, Killarneys, Marylands, Richmonds and Beauties. **CARNATIONS**, All Standard Varieties; **Jonquills, Narcissus, Paper Whites, Hyacinths, Valley, Violets, Orchids, Gardenias, Easter and Calla Lilies**. We are in an excellent position to fill orders at a moment's notice. Our motto is: "A square deal to both retailer and grower." Our shipping facilities are unsurpassed, as we make a specialty of shipping flowers to all parts of United States and Canada. We strive to please. A trial order will convince you.

A full line of **Florist Supplies and Hardy Cut Evergreens** always on hand.
Best Quality. Lowest Prices. Prompt Service. Wire, Write or Telephone.

HENRY M. ROBINSON & CO.

Wholesale Commission Florists, Dealers in Hardy Cut Evergreens,
Importers and Manufacturers of Florist Supplies,

46 West 26th St., New York City

New York.

A LARGE OVER-SUPPLY.

The cut flower market is still in a very unsatisfactory condition and there is no active call for anything, with the possible exception of the high grade novelties in roses, American Beauties and gardenias. The carnation market has gone all to pieces and large lots are being sacrificed at very low prices. Small lots of the very best blooms are always called for but these orders are hardly noticeable on account of the heavy supply; the same can be said of bulbous stock, but these conditions have always prevailed at times. While it is true that the market is overcrowded with good stock just at present there is no question but when the grower figures up at the end of this year, and makes comparison with other seasons, he will realize it has been a very good year indeed. The cut flower market in New York as a general thing is in a growing condition in all directions and undoubtedly will continue to be so. Perhaps a few will not become "near" millionaires as rapidly as in years gone by, still there will be a great many that will make comfortable fortunes in all branches of this wonderful business. From talks with the retailers, the majority seem to be very well satisfied with the season's business thus far, and are already making extensive preparations for a large Easter trade.

NOTES.

John F. Huss, Hartford, Conn., president of the Connecticut Horticultural Society, was a recent visitor. Mr. Huss is state vice-president of the S. A. F. for Connecticut, and is working hard to increase the membership from that state. In addition to this, he is doing his utmost to arouse interest in the coming National Flower Show among the gardeners, and is much encouraged with his efforts along these lines.

Many New Yorkers have signified their intention of visiting the International Horticulture Exposition to be held in London in May. Among them will be Charles H. Totty, whose mission will be to interest foreign exhibitors in the coming National Flower Show to be held in the New Grand Central Palace in 1913.

D. J. Murphy, formerly of Chicago, has leased the John H. Taylor greenhouses for a term of five years, and has taken possession. During the coming summer, he will make extensive repairs and alterations. The cut from this place is consigned to James McManus, 55 West Twenty-eighth street.

The New York Florists' Club was well represented at Cornell University

P. J. SMITH, Successor to John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR LARGEST GROWERS
The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited.
Telephones, 1328, 1998 Madison Square
49 West 28th Street New York City

during "Farmers' Week," W. R. Cobb, of the Lord & Burnham Co. giving an illustrated lecture on "Greenhouse Construction." I. S. Hendrickson and Arthur Cowee also delivered important and interesting lectures.

Monday, March 11, will be "Rose and Orchid Night" at the meeting of the Florists' Club, and a good display is already assured. Intending exhibitors are requested to send their flowers in care of Traendly & Schenck, 131 West Twenty-eighth street, on the day of the meeting.

A visitor this week was Fred Lautenschlager of Chicago, who has been attending "Farmers' Week" at Cornell university, Ithaca, N. Y., and incidentally selling the large vegetable growers in that section of the state a few Kroeschell boilers.

It is expected that many of "Shining Lights" will join the party going to Chicago, March 12, to attend the meeting of the Board of Directors of the S. A. F. and visit the spring show of the Horticultural Society of Chicago.

A bill has been introduced in the assembly for the appropriation of \$50,000 for the erection of a range of greenhouses at Cornell university for experimental and teaching work in floriculture.

Visitors: P. R. Quinlan, Syracuse; A. N. Pierson, Wallace Pierson, Cromwell, Conn.; Sydney Hoffman, Boston; Harry Cathcart, Newburgh. Y.

Washington.

MUCH BETTER WEATHER.

The advent of Lent does not seem to have made great inroads on business, as there are daily reports of dinners and other social events. There is quite a change for the better in weather, there being several days of sunshine last week with the temperature ranging from 40° to 50°. Quite naturally the thaw is increasing the volume of stock, roses, carnations and sweet peas being more plentiful. There is some bulb stock moving. The Holland agents have been dropping in during the past week and have been hearing some straight talk from the growers relating to the quality of their wares.

NOTES.

Wm. F. Gude, who as previously mentioned, took a great interest in the

VIOLETS

Buy your Violets
direct from a
Large Grower
60c per 100. Best Stock.

Telephone and Telegraph Connections.

J. VONDER LINDEN,
Rhinebeck, N. Y.

band of visiting Australian boys, is enthusiastic over the intelligence displayed by the young lads, who ranged in ages from twelve to eighteen years. He says: "Much as I like our own American boys, I must acknowledge that these Australian lads were superior in general intelligence, ability and good manners to any like number of our own boys that I have ever met." He further stated that the young fellows were well informed on many features of the florist business.

An event of interest this week is a dinner on the night of February 27 given by Mrs. Draper in honor of Cardinal Gibbons. The Gude Bros. Co. had the decoration, which of course, was in red, many Richmond roses being used.

James Quinn, for several years past foreman at the J. B. Freeman, Brightwood, range, has resigned and is now at the plant bureau, Department of Agriculture.

Geo. H. Cooke decorated for a dinner on the night of February 24, and used 150 cattleyas and 160 Phaleopsis amabilis. A. F. F.

Jacksonville, Fla.

Alderman Mills, the florist, was initiated in the Scottish rites at the Masonic Temple the last week of February.

The comparatively new firm, Tomlinson & Key, are not novices in the flower trade, both having had long experience in growing and selling. Remote from glass, as they are here, it keeps them decidedly busy to provide a steady supply of cut blooms.

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.. extra and fancy.....	15 00@	40 00
.. No. 1 and No. 2.....	4 00@	6 00
.. Brides, Bridesmaid, special. 6 00@	8 00	
.. extra and fancy.....	4 00@	6 00
.. No. 1 and No. 2.....	1 00@	2 00
.. Killarney, My Maryland ..	8 00@	12 00
.. extra and fancy. 6 00@	8 00	
.. No. 1 and No. 2. 1 00@	2 00	
.. Richmond.....	3 00@	12 00
Carnations.....	1 00@	3 00
Cattleyas.....	40 00@	50 00
D. Formosum.....	25 00@	40 00
Freesias.....	1 00@	1 25
Gardenias.....	10 00@	40 00
Lilies, Longiflorum and Harrisii..	8 00@	10 00
Lily of the Valley.....	2 00@	4 00
Occhidiums	5 00@	10 00
Sweet Peas.. per doz. bunches, 1 00@	1 25	
Viola.....	20@	60
Adiantum Croweanum.....	75@	1 00

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Some French Notes on the Use of Simple Insecticides. — When tobacco juice is not easily to be had, a decoction of the stems and leaves of the tomato in combination with a strong soapsuds is fully as efficacious as the tobacco decoction and has been used in France for many years. The extract of tobacco itself gives better results in combination with crystals of potash or carbonate of soda, or a strong soapsuds. These alkaline bases act upon the shell or varnish of the insects, making it possible for the toxin of the tobacco or insecticide proper to be absorbed into the tissues. A good petroleum emulsion consists of one pound black soap, one pint hot water, beaten together until smooth, cooled; one quart commercial ammonia, stir again and add, little by little, one quart of petroleum, then enough water to make 80 quarts. These recipes being inexpensive can be used in quantities sufficient for perfect success.

Ornamental Apple Trees. — While these are used somewhat for forcing, yet they are quite neglected in our gardens, though most desirable. The *Malus floribunda*, flowers bright pink passing to white; *M. floribunda atrosanguinea*, deeper rose and very showy; *M. Angustifolia fl. pl.*, double pink flowers, large and fragrant; *M. fl. Scheideckeri*, carmine pink, and so free-blooming as to be preferred for forcing by the Hollanders; added to these is the new *M. floribunda purpurea*, certainly the reddest of the ornamental apples; the flowers are large, single, bright cerise; the bud blood red; the young foliage a purple bronze passing to a bronzy green. Vigorous of growth, very fine and early of bloom, it will be especially esteemed for forcing.

New Hybrid Clematis Montana.— V. Lemoine and Son are offering three hybrid clematis obtained from *Montana grandiflora* and *Montana rubens*, which are recommended for their freedom from disease, rich profusion of spring bloom and brilliant deep green foliage. They are: *C. montana lilacina*, similar to *m. Rubens*, but larger flower, bluish lilac. *C. montana perfecta*, flowers one-third larger than *m. grandiflora*; perfect form; sepals very broad, a fine bluish white. The appearance of the flower resembles *Anemone silvestris grandiflora*. *C. montana undulata*, flowers three to four inches in diameter, sepals very wavy, white tinted azure.

New Hybrid Abutilons, De Noter.— Hybrids obtained by Professor de Noter by fertilizing ordinary medium-flowering varieties with the pollen of the giant semi-double *Abutilon Victoria*. This race is prodigal of bloom, flowers one to two inches in diameter, colors from orange to primrose and rose color. Seeds sown in greenhouse or hotbed in February will give blooming plants in May, continuing to flower through the summer. If the best plants are selected, lifted, kept over winter and replanted in rich soil the following spring they flourish abundantly and are most decorative.

Clerodendron Fargesii. — Of Chinese origin, this new *clerodendron*, blooming in July and August. It grows 10 to 12 feet high, and may even form a very small tree. The wood is gray, the young shoots at first violet turning to yellowish-gray; foliage light green, rough to the touch, somewhat downy underneath. The inflorescence is terminal in clusters of 20 to 40 small flowers, consisting of a long tube terminated by five spreading petals of a rosy white color and jasmine-like fragrance. The fruit is a sort of blackish-purple grape surrounded by a persistent brown red calyx.



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Tithonia speciosa.—An introduction of *Vilmorin* in 1910 as *Sun of Mexico* has proven a very decorative plant, growing 12 to 14 feet high, annual, with stems somewhat woolly, leaves alternate, dentated, often trilobate; flowers on long stems (18 to 20 inches), in the manner of the dahlia; blooming very freely as the season advances; coloring a scarlet red above, orange below, the flowers fading to orange. The plant is well adapted for backgrounds or groups, and being annual, should be started early and set out as soon as danger of frost is over.

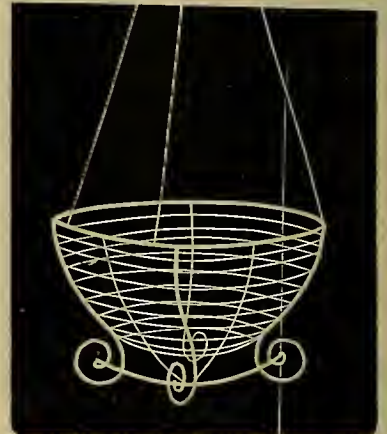
A Rose Colored *Salvia*.—A half-forgotten and wholly charming plant is the *Salvia Horminum*, var. *rose*, a sage having its inconspicuous flower stalks tipped with delicate sprays of rose-colored bracts of the most attractive shade, lasting from June to August. It is biennial and if sowed in August or September will bloom the following season if kept over winter in frames. A bed of these plants, edged by the woolly *Salvia argentea*, would be as novel as charming.

Heliotrope Mathilde Cremeaux. — This variety, while not a novelty of this season, is proving itself a *heliotrope* of the first rank, not only for its beauty, but also for its resistance to unfavorable conditions; the summer of 1911, with its three months of extreme heat, hardly interfered at all with its continuous production of large fine flowers, and the cold wet season of 1910 left it equally unscathed. It has proven itself one of the brilliant recent introductions.

Dahlia, Queen Wilhelmina.—This has proven itself most valuable this past season for its immense number of pure white flowers; *Dahlia Soleure*, a dwarf sort, single white flowers with bright red forming a star, was also sensationally free-blooming; *Dahlia Maurice Divoire*, a fine rose, with double pure white collarette, has been a great success in England in 1911.

Primula Winteri.—A new hardy primrose from the Himalayas, remarkable for its curious appearance, stems and leaves having the appearance of being heavily powdered; its flowers

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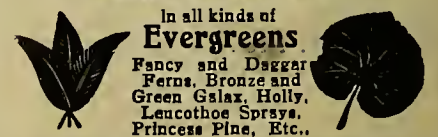


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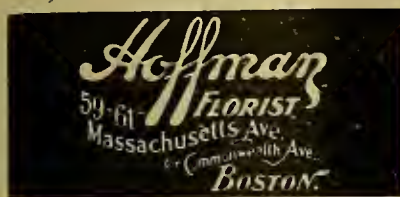
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Established 1849

David Clarke's Sons

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Prompt and careful attention to orders
from out-of-town florists.

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Prompt and careful attention to orders from out-
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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
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Flowers or Design Work.

Delivered in Albany and Vicinity on
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Canada's best known and most reliable florist

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We deliver anywhere in Canada and guarantee
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Will take proper
ycare of your orders in Wisconsin

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Orders will be carefully
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HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Durvea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

RALPH M. WARD says: "A lily to a live friend is better than 10 to a corpse."

DES MOINES, IOWA.—The Iowa Seed Co. writes that mail order trade is starting in lively and is ahead of last year.

SEED POTATOES are in good demand all over the country and especially in the west. Early Ohio, both red and white, northern grown, are in the lead.

JEROME B. RICE is making a health trip south. His friends, and they include everybody in the seed trade, earnestly wish for his speedy recovery.

FIELD seed corn, greatly injured by the severe weather, shows such low germination in many cases that better than double usual prices are predicted by well informed dealers.

SEDALIA, MO.—Archias' Seed Store reports mail order trade very satisfactory, the business for February 19 being the largest, both in number of orders and value, the firm has ever had in a single February day.

VISITED CHICAGO:—Chas. Loechner, of Loechner & Co., and A. Kakuda, representing Yokohama Nursery Co., New York; A. Colyn, representing C. Colyn & Sons, Voorhout, Holland; C. P. Gueff, representing Jerome B. Rice Seed Co., Cambridge, N. Y.

TROY, N. Y.—H. W. Gordinier & Son have become incorporated with a capital stock of \$50,000. The directors are Hiram W. Gordinier, George A. Gordinier, Clarence H. Gordinier and John G. Leversee. The corporation will succeed H. W. Gordinier, 357-359 River street.

CALLA bulbs are reported by some growers in California as not making as strong growth as usual. In general the number of growers seems to be increasing, with a tendency to plant more extensively than before. The new growers will have some bulbs to offer this year and a still larger percentage in 1913.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

THE condition of greatest concern to the seed trade just now is the continued lack of rain in the California seed growing districts.

CHICAGO.—Prices on the Board of Trade, February 28, for grass seed were noted as follows: Timothy, \$11 to \$15 per 100 pounds.—The Leonard Seed Co. reports both wholesale and retail business good, with the outlook favorable for big spring trade.—A. H. Goodwin returned this week from New York.—J. C. Vaughan has returned from the south.

BIRMINGHAM, ALA.—For some time the Amzi Godden Seed Co. has been considering the question of discontinuing its retail department and devoting all of its capital and energy to its large and rapidly growing wholesale and mail order business. This firm has had several attractive offers and has finally traded with the McVay Seed Co., which will take over this department and cater to the retail trade of this city and vicinity. In this trade the wholesale business of the city in this line will be broadened and enlarged. For several years the wholesale trade of the Amzi Godden Seed Co. has been one of the largest in the south, but it is now the expectation of the officers of the company to make it one of the largest in the entire country. It is believed that with ample capital, experience and concentrated energy, the firm can reach every state in the south and make this city the home of the southern wholesale seed business.

Free Seeds—Municipal Nursery Stock.

Referring to the produce operations of Mayor Lew Shank of Indianapolis, the New York Sun says: "The private dealer must have lost money if he came down to Lew's prices and ultimately would have been ruined in competition with the mayor of Indianapolis, who was not trying to make a living but political capital out of the farce of cheapening the cost of living to consumers."

The Sun, as usual, has said something. May we not justly ask by what right can a city government or park commission establish a nursery and supply consumers with nursery stock at nominal cost to the injury of the business of the nurseryman and florist, whose tax moneys they are spending?

What right has the Department of Agriculture to buy and give away common garden seeds, causing loss to the business of tax-paying seedsmen?

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California



Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

Catalogues Received.

Dingee & Conard Co., West Grove, Pa., roses, etc.; W. Atlee Burpee & Co., Philadelphia, Pa., 35th anniversary supplement; John Bodger & Sons Co., Los Angeles, Calif., contract list for flowers and vegetable seeds; R. Vincent, Jr., & Sons Co., White Marsh, Md., wholesale trade list of vegetable, greenhouse and bedding plants; E. S. Miller, Wading River, N. Y., trade list of bulbs and hardy plants; Young's Seed Store, St. Louis, Mo., garden book; Northrup, King & Co., Minneapolis, Minn., seeds; Heller Bros. Co., New Castle, Ind., roses; Chris. Reuter, New Orleans, La., wholesale list of vegetable seeds for southern market gardeners and truckers; Currie Bros. Co., Milwaukee, Wis., farm and garden annual; Henry Kohankie & Son, Painesville, O., trade list of nursery stock; Griswold Seed Co., Lincoln, Neb., seeds; Meyer-Stisser Co., Baltimore, Md., seeds and supplies; Archias Seed Store, Sedalia, Mo., seeds and supplies; Sadie A. Thomas, Pasadena, Calif., chrysanthemums; John D. Imlay, Zanesville, O., seeds and plants; Jacob Thomann & Sons, Rochester, N. Y., new white gladiolus; Wm. F. Lange, Appleton, Wis., hardy northern grown seeds; D. Hill Nursery Co., Dundee, Ill., a planting guide and wholesale list of nursery stock; Avenue Nurseries, Painesville, O., trade list of nursery stock; Geo. S. Josselyn, Fredonia, N. Y., wholesale list of grapevines, small fruit plants, etc.; M. Crawford Co., Cuyahoga Falls, O., strawberry and other small fruit plants, also gladiolus bulbs.

Van Zanten & Co., Hillegom, Holland, bulbs; Wilhelm Pfitzer, Stuttgart, Germany, seeds; J. Hasslach, St. Remy-de-Provence, France, seeds; V. Lemoine et Fils, Nancy, France, plant and seed novelties; A. Dallinges, Geneva, Switzerland, seeds; E. Neubert, Wandsbek, Germany, plant novelties; Otto Mann, Leipzig, Germany, seeds, bulbs, etc.; Nonne & Hoepker, Ahrensburg, Germany, seeds, etc.

CORLISS, WIS.—Walter Tiplady, who has been at Lake Geneva for the last 16 years, has located here and will start a florist and market garden business in the spring.

SAUGUS, MASS.—William Sim made an address before the teachers of the local schools on "Sweet Peas and How They Are Grown," explaining their culture and the object of the monster exhibition which is to be held in Boston, July 13-14, at which prizes will be awarded to displays made by school children.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip. Sole Agent for U. S. and Canada, CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.



C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO, CALIFORNIA



Early Cluster
grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin Squash, Sweet and Field Corn.
FREMONT, - - - NEBRASKA
Mention the American Florist when writing

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS
SANTA CLARA, CALIFORNIA.
Growers of Onion, Lettuce, Radish,
etc. Correspondence solicited.
Mention the American Florist when writing

John Bodger & Sons Co.

Los Angeles, California
Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
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THE G. HERBERT COY SEED CO.
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Contract Growers of
High Grade Seeds
Cucumber, Muakmelon, Squash and Pumpkin,
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The Everett B. Clark Seed Co.
Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
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Branches: Michigan **MILFORD, CONN.**
and Wisconsin.

J.C. Robinson Seed Co.

Waterloo, Neb.
Contract growers of Cucumber, Canta-
oupe, Watermelon, Squash and Pumpkins
eed; Sugar Flint and Field Seed Corns.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS GROWERS FOR THE TRADE
Write for Prices.

Japanese Genuine Lily Bulbs.

We book orders now. Don't miss it. The stock we offer is grown
for American trade and strictly choice, high-grade. Write for price
list for 1912. Specialists in all kinds of Japanese Lily Bulbs.

S. MIYAKE & CO., 1020 Main St., SEATTLE, WASH.

—A GOOD INVESTMENT.—

Grow Cold Storage Lilies

For price and good quality write

C. C. POLLWORTH CO., Milwaukee

TESTING

E Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts.
D Booklet free. Send samples of

THE SEED TRADE REPORTING BUREAU

Postal Telegraph Building, CHICAGO.
Mention the American Florist when writing

Asparagus Plumosus Plants

2½-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100;
\$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.

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SEEDS

OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
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Correspondence Solicited.

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PEDRICKTOWN, N. J.

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PHILADELPHIA
Wholesale Price List for Florists
and Market Gardeners.

BURNETT BROS.

Importers and Growers of
Seeds, Bulbs, Plants
and Horticultural Sundries.
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72 Cortlandt Street.
Write for our 1911 Spring Catalogue.

Onion Sets

FANCY RECLEANED HAND PICKED

- Prime Recleaned Yellow Sets, \$1.50 per bu.
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- Fancy Seived through ¾ inch mesh, \$2.00 per bu.
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- Fancy Seived through ¾ in. mesh, \$2.00 per bu.

We reclean and hand pick all Sets before shipping. A trial order will convince you of the superior quality of our Sets.

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Almost 100 Years' Established Trade
Wholesale Seedsmen,
BALTIMORE, MD.

Mention the American Florist when writing

Surplus Stocks of

L. Multiflorums, 7-9 in.

—Write for Prices—

YOKOHAMA NURSERY CO.
31 Barclay St., **NEW YORK**
Mention the American Florist when writing

MANN'S

Lily of the Valley

are the finest in existence and their flowers bring the best prices on the London market. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany
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Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

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Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

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ROUTZAHN SEED CO.

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Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS
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Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

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Seed Growers and Importers.

Specialties: Beet, Carrot, Sweet Corn, Peas, Beans, Onion Sets and Seed Potatoes. Catalogue free. Quick freight shipments from New York, via rail or steamer to all parts of the U. S.
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German Flower Seeds

Catalogue free on application.

FREDERICK ROEMER,
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Best that grow. We sell direct to gardeners and florists at wholesale. Big beautiful catalogue free. Write today.

ARCHIAS SEED STORE, Box 52, Sedalia, Mo.
Mention the American Florist when writing

Asparagus Plumosus Nanus Seed.

NORTHERN GREENHOUSE GROWN.

Of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds \$4.00; 5000 seeds at \$3.75 per 1000.

Vaughan's Seed Store,
CHICAGO. NEW YORK.

CANNAS

Guaranteed true to name. Two to three strong eyes.

	Per 100	Per 1000
4000 Chas. Henderson.....	\$1.75	\$15.00
1000 Capt. Drugeon, best yellow....		15.00
1000 Duke of Marlborough.....		18.00
1000 Egandale.....	2.00	18.00
400 Alsace.....	1.50	
500 Louisiana.....	2.00	
250 Buttercup.....	2.00	
300 Mephisto, the most beautiful dark crimson Canna.....	4.00	
300 Florence Vaughan.....	2.00	
200 New York.....	3.00	
200 Pennsylvania.....	1.50	
250 Richard Wallace.....	2.50	
100 Grand Chancellor Bulow.....	2.50	
200 Mme. Berat (Pink).....	1.50	

W. W. Coles, Kokomo, Ind.
Mention the American Florist when writing

S. M. Isbell & Co.,

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CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

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Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey

Correspondence Solicited.

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TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

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Onion Seed==Onion Sets

We Are Extensive Growers and Dealers.

Write for prices on the 1911 crop. We are also submitting contract figures for the 1912 crop of Onion Seed.

SCHILDER BROS., Chillicothe, O.

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Mrs. Francis King,
Mrs. Beecher,
Augusta, Lizzie,
Neginscott, Etc.

Lilies, Summer Flowering
Bulbs and Hardy Plants

E. S. MILLER, Wading River, N. Y.
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GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

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CURRIER BULB CO.

Wholesale Growers of
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SEABRIGHT, CAL.

Gladiolus and Calla Lilies a specialty. Large stock of American Gladiolus.



H. WREDE,

LUNEBURG, GERMANY
PANSY SEED

178 First Prizes, the highest awards.
Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed... 25c
1 oz. .. \$2.25

Price list on application. Cash with order.

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Water Melon and Musk Melon Seeds

Get them from
J. FRANK CORRY,
Contract Grower, ENID, OKLAHOMA.
Complete Delivery by Oct. 15, 1912.

Boddingtons Quality Cannas.

Are true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick. The Canna crop this year, however, is very short, and we advise placing orders early to secure stock. Delivery can be made at purchaser's option.

Red-flowering, Green Foliage Cannas

	Per 100	Per 1,000
A. Bouvier, 5 ft.....	1.75	15.00
Alice Roosevelt, 4 ft.....	3.75	35.00
Black Prince, 3 to 4 ft.....	2.75	25.00
Charles Henderson, 4 ft.....	2.00	17.50
Duke of Marlboro, 4½ ft.....	2.00	17.50
Explorateur Crampbell, 5½ ft....	2.00	17.50
President Cleveland, 3 ft.....	2.25	20.00
President McKinley, 2½ to 3 ft....	2.25	17.50
President Meyer, 4 ft.....	3.50	30.00

Pink-flowering Cannas

	Per 100	Per 1,000
L. Patry, 4½ ft.....	\$2.25	\$17.50
Louise, 5 ft.....	2.25	17.50
Mlle. Berat, 4½ ft.....	1.75	15.00
Venus, 3½ ft.....	4.25	40.00

White and Cream Shades

	Per 100	Per 1,000
Alsace, 3½ ft.....	\$1.75	\$15.00

Orchid-flowering Cannas

	Per 100	Per 1,000
Allemannia, 4 to 5 ft.....	\$1.75	\$15.00
Austria, 5 ft.....	1.75	15.00
Indiana, 3 to 4 ft.....	2.00	17.50
Italia, 4½ ft.....	1.75	15.00
Philadelphia, 5 ft.....	2.75	25.00

Orange Shades

	Per 100	Per 1,000
Wyoming, 7 ft.....	\$2.25	\$20.00
Pennsylvania, 5 ft.....	1.75	15.00

Red, Gold-edged; Spotted and Yellow Cannas

	Per 100	Per 1,000
Duke of York, 4 to 5 ft.....	\$5.50	
Evolution	2.75	\$25.00
Gladiator, 4 ft.....	2.75	25.00
Golden King, 5 ft.....	2.75	25.00
Jean Tissot, 5 ft.....	2.25	20.00
Niagara, 3 ft.....	2.75	25.00
Mad. Crozy, 5½ ft.....	2.75	25.00
Queen Charlotte, 3½ ft.....	3.75	35.00
Premier, 2½ ft.....	3.75	35.00
Souv. de A. Crozy, 4 ft.....	2.75	25.00

Yellow Shades

	Per 100	Per 1,000
Florence Vaughan, 5 ft.....	2.25	20.00
Richard Wallace, 4½ ft.....	2.75	25.00

Bronze-leaved, Red-flowering Cannas

	Per 100	Per 1,000
King Humbert, 4 ft.....	4.00	
Leonard Vaughan, 4½ ft.....	2.75	25.00
Musafolia, 3 to 5 ft.....	2.25	20.00
Robusta, 6 to 8 ft.....	2.00	17.50
Shenandoah, 6 ft.....	2.00	17.50

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business.

Our Cannas are true to name—two and three, sometimes four eyes—are sound, dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at a thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Write for special prices for quantities.

If any Cannas are not found here, it may be understood that they are superseded by the foregoing. If selection is left to us, we will substitute or send only the best for all purposes.

All the Above Cannas Sold F. O. B. New York or Chicago.

Chicago and Western Agents for Our Cannas, ONLY:

WINTERSON'S SEED STORE, 166 North Wabash Ave., Chicago.

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**Down, Down
Down They Go
For a Short Time.**

Our **Verbenas** are the finest in the land, 60c per 100, \$5.00 per 1000.

Fuchsias, the best named varieties, \$1.00 per 100, \$9.00 per 1000. **Coleus**, all the finest select named varieties, 70c per 100, \$6.00 per 1000.

Alternantheras, red and yellow, very strong, 60c per 100, \$5.00 per 1000.

Sweet Alyssum, our big double Giant, 80c per 109, \$6.00 per 1000. **Vincas**, very strong rooted cuttings, \$1.00 per 100, \$8.00 per 1000. **Salvias**, Bonfire and St. Louis, the leading varieties, 80c per 100, \$7.00 per 1000. **Feverfew**, Little Gem, a large fine flower, the best of all, \$1.00 per 100, \$9.00 per 1000. **Swainsonas**, \$1.25 per 100. Express prepaid on all rooted cuttings. Satisfaction guaranteed to all parts of the United States.

C. HUMFELD,

The Rooted Cutting Specialist, Clay Center, Kansas.
Mention the American Florist when writing

Begonias Tuberous Rooted.

Single, White, Pink, Scarlet,	Per 100	1000
Orange, Yellow and Crimson	\$2.50	\$22.00
Single, mixed colors	2.25	20.00
Double, White, Pink, Scarlet, Orange, Yellow and Crimson	4.00	35.00
Double, mixed colors	3.50	30.00

GLOXINIAS

Blue, White, Crimson, Violet, white border, red white border	3.50	30.00
Mixed, all colors	3.00	26.00

A. HENDERSON & CO.

30 E. Randolph St., CHICAGO
Mention the American Florist when writing

VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries and Export Trade.

HILLEGOM, HOLLAND,

Wholesale growers of the leading sorts of Hyacinths, Tulips, Narcissus, Crocus, Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, Mr. G. HYLKEMA, care of Messrs. Maltus & Ware, 14 Stone St., New York, for Catalogue and Special prices of all

HOLLAND BULBS AND PLANTS.

GLADIOLI

Groff's Hybrids

and all the best named sorts. My Gladioli took first premiums at Iowa State Fair in 1911. Write for prices.

Independence, Scarsdale, New Blue Hybrids.

GEO. S. WOODRUFF

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PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, BROOKLYN, N. Y.

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Gladiolus

We control the originator's stock of

THE NEW TYPE

KUNDERDI "GLORY"

WITH "RUFFLED" PETALS

The broadly expanded, wide open flowers, paired by twos, all face in the same direction, and are carried on straight stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted.

The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petal, the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the country over.

Special prices, with free cuts, for catalogue use.

Per 100, \$7.50. Per 1000, \$70.00

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America, Mrs. Francis King, Augusta, Princeps

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The Spring Edition is ready. Ask for it. Don't buy without its figures. They talk!

Vaughan's Seed Store, CHICAGO and NEW YORK.



GLADIOLUS GLORY.

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CHRYSANTHEMUMS

A Pink Garza (Mary Colladay)

A Seedling of Garza, with habit of parent; in color a rich rose lavender pink. Extremely free and of excellent keeping qualities. Whether grown for pot plants or for cutting, it is equally adaptable. Do not disbud.

35c each; \$1.00 per dozen; \$25.00 per 100.

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Send a card for our list of a selected collection, with prices.

THE STRAFFORD FLOWER FARM, Strafford, Pa.

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New Hardy Golden Vinca

Vinca Minor Aurea.

Golden variegated Myrtle or Perwinkle.

This is not a creamy yellow like V. Variegata, but a rich deep golden yellow, grand for shrubbery borders, banks, window boxes, vases and especially for cemetery work.

Awarded Certificate of Merit by the New York Hort. Society; Paterson (N. J.) Horticultural Society and Elberon (N. J.) Horticultural Society.

Price, 3 in. pot plants, \$2.00 per doz.; \$15.00 per 100. Delivery in April.

WM. TRICKER, ARLINGTON, N. J.

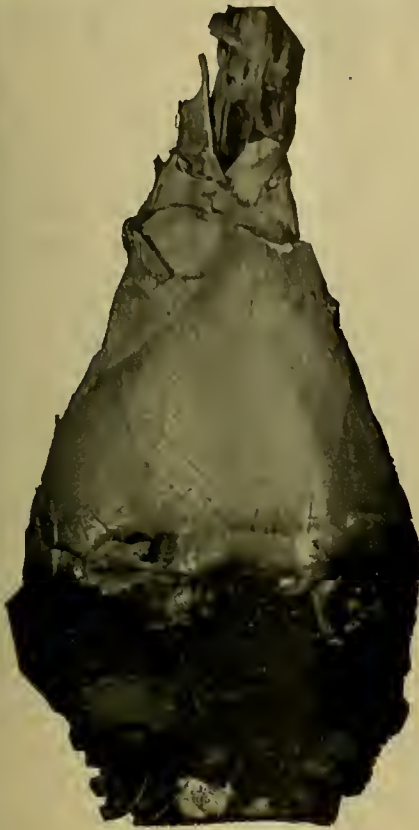
Water Lilies and Hardy Plants a specialty.

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M. LEENDERS & COMPANY,

ROSE GROWERS Tegelen, Holland.

WRITE FOR PRICE LIST.



Tuberose

True Dwarf Pearl

	Per 1000
First Size, 4-6-in.....	\$ 9.00
Medium, 3-4-in.....	5.00

GLADIOLUS

Mrs. Francis King, First Size.....	\$20.00
“ “ “ Medium.....	17.00
Augusta, First Size.....	18.00
“ “ Medium.....	16.00
America, Medium.....	27.50
Florist XXX, Mixed.....	15.00

CALADIUMS

(ESCULENTUM)

5- 7-inch.....	\$15.00
7- 9-inch.....	30.00
9-11-inch.....	55.00

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Vaughan's High Grade
Lily of the Valley

2,000, 1,000 or 500 in a case. Per 1000
London Market.....\$15.00
Premium Brand..... 13.00

Lilium Giganteum

250 or 300 in a case, 7 to 9.....	Per 1000 \$65.00
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Lilium Rubrum

9 to 11.....	80 00
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Lilium Melpomene

9 to 11.....	85.00
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Lilium Album

8 to 9.....	Per 1000 95.00
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Lilium Auratum

8 to 9.....	52.50
9 to 11.....	90.00

CHICAGO

Vaughan's Seed Store, NEW YORK

Mention the American Florist when writing

CARNATION CUTTINGS

FOR IMMEDIATE DELIVERY.
STRONG, HEALTHY STOCK.

	Per 100	Per 1000
Washington.....	\$6.00	\$50.00
Bright Spot.....	6.00	50.00
Mrs. C. W. Ward.....	4.00	30.00
Sangamo.....	3.00	25.00
Dorothy Gordon.....	3.00	25.00
White Enchantress.....	3.00	25.00
Enchantress.....	3.00	25.00
White Perfection.....	3.00	25.00
May Day.....	3.00	25.00
Beacon.....	3.00	25.00
Scarlet Glow.....	3.00	25.00

A. C. BROWN, Springfield, Ill.

Mention the American Florist when writing

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.

	Per 100	Per 1000
Pink and White Killarney, 2½-in.....	\$12 00	\$120 00
Richmond, 2½-in.....	12 00	120 00
Sunburst, 2½ in.....	35 00	
Maryland, 2½-in.....	12 00	120 00
Mrs. Aaron Ward, 2½-in.	14 00	120 00
Melody, 2½-in.....	14 00	120 00
Mrs. Taft or Prince de Bulgarie, 2½-in.....	14 00	120 00
Radiance.....	14 00	120 00
Lady Hillingdon, 2½-in.	15 0	

OWN ROOT.

	Per 100	1000
Pink and White Killarney, 2½-in.....	\$6 50	\$60 00
Maryland, 2½-in.....	6 50	60 00
Richmond, 2½-in.....	6 00	50 00
Antoine Rivoire, Mrs. Taft, or Prince de Bulgarie, 2½-in.....	8 00	70 00
Radiance, 2½-in.....	8 00	
Melody, 2½-in.....	8 00	70 00
Mrs. Aaron Ward, 2½-in.	8 00	70 00
Dbi Pink Killarney, 2½-in.	8 00	70 00

Orders are now booked for April, May, June and July delivery.

All goods are sold for cash or 30 days on approved credit.

Mention the American Florist when writing

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, February 26.—Mushrooms, 15 cents to 25 cents per pound; radishes, 35 cents to 50 cents per dozen bunches; rhubarb, 60 cents to 65 cents per bunch; lettuce, 27½ cents, small cases.

New York, February 24.—Mushrooms, \$1 to \$2 per 4-pound basket; cucumbers, \$1.25 to \$1.75 per dozen; tomatoes, 15 cents to 55 cents per pound; radishes, \$1.50 to \$2.50 per 100 bunches; lettuce, \$1.50 to \$2 per strap; rhubarb, 40 cents to 60 cents per large bunch and 60 cents to 90 cents per dozen small bunches; mint, 35 cents to 60 cents per dozen bunches

Pansies.

While not strictly a market garden crop, pansies can be handled to advantage by many a market grower. While the proper method of production may be fall sowing, we have always held that the spring-sown plants live longer and resist more heat. No doubt this severe winter has hurt many a fall sowing, hence we run no great chance of losing out on seeds put in now.

For a number of years we have sown pansies about February 1 in warm hotbeds as soon as the first character leaf forms we dibble in other frames 2½ x 2½ inches apart. These second frames we plan to have in the form of spent hotbeds where a crop of lettuce or radishes has been removed. As soon as the young plants have a good hold we remove the glass and substitute cheese cloth. When severe weather is over we remove the cloth. That way we produce sturdy plants, as good as one could wish for. About May 1 they are in bloom. To sell these we cut them out in square blocks with a knife in such a way that any four will fill a quart basket. If a little judgment is used in selecting colors these baskets are very attractive and when put on sale they are simply irresistible—people will see them, and buy them at sight, so much so that we have been unable to supply the demand. We have tried all ways of selling from the commission merchant to the market stand, and the most successful has been a department store. They handle them on small commission and each and every lot is sold as soon as exposed. We have also tried various strains of seed and considering cost and results, a good strain of German pansies leaves nothing to be desired. As compared with vegetables in hotbeds or frames, the money returns from pansies is like four to one.

The average city dweller does not know that pansies love cool weather, hence they delay planting until warm weather has come. Thus our sales run heavy from the first to the last of May and that ends it. After Dec-

oration day any surplus is a loss, and for May sales the fall-sown plants get too large and scraggly.

MARKETMAN.

New Radish Pernot.

The favorite radishes for market have long been those having a brilliant scarlet or carmine color, set off by a small well-defined white tip, which must not shade into the body of the radish, but contrast brilliantly with it. Of recent seasons the Pernot, having at least one-third of its length of the pure white color, has led in the French markets; it is semi-long and does not lose in attractiveness by its larger proportion of white tip; its foliage is less abundant than that of many sorts, a virtue for culture under glass.—Le Jardin.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

CARNATIONS

Rooted Cuttings

Rosette—The bright, large-flowered dark pink carnation. Only a few thousand left for early March delivery.

\$12.00 per 100; \$100.00 per 1000;
250 at 1000 rate.

For February delivery we can supply now:

	Per 100	Per 1000
Scarlet Glow.....	\$3.00	\$25.00
White Perfection.....	3.00	25.00
Bonfire.....	6.00	50.00
Rose Pink Enchantress.....	3.00	25.00

Quality Cuttings

F. DORNER & SONS CO.

LA FAYETTE, INDIANA.

Mention the American Florist when writing



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

Pure Culture Mushroom Spawn

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

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

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages.

29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.
440 S. Dearborn St., CHICAGO.

WE HAVE TO OFFER

A Fine and Large Stock of

Easter Plants for immediate shipment. We have in store for you this Easter the finest Lillium Multiflorum you ever saw, raised from 9-10-inch bulbs, at \$95.00 per 1000, at 10c per bud for plants having 5 up to 10 buds, and 12c per bud for plants under 5 buds.

Spiraea Gladstone, 5½-6-7-in. pots. 35c 50c to 75c Azaleas, Vervaeana and Deutsche Perle, in bloom now. 75c. \$1.00. \$1.25 to \$1.50.

Neph. Whitmani, Schollzelli, Boston, Scotti, 5½-6 to 7 in. in sizes, at 35c 40c, 50c, 75c to \$1.00

Araucaria Excelsa, 5½, 6 to 7 in. in pots, 50c, 60c, 75c, \$1.00 \$1.25 to \$1.50.

Araucaria Robusta Compacta and Glauca, 6-in. pots. \$1.00, \$1.25 to \$1.50.

Rubbers, 20 to 35 in. 5½, 6 to 7 in. pots, 30c, 40c 50c, 75c to \$1.00.

Kentia Belmoreana and Fosteriana, single, 50c, 60c 75c, \$1.00, \$1.50 to \$2.00.

Kentia Belmoreana, made up, 60c, 75c, \$1.00.

Asparagus Plumosus, 2½ to 3 in., 3c to 5c; 4-in., 10c. Sprengeri, 4 in., 10c.

Wilsoni Ferns, 6-in. pans. 25c.

Begonia Erfoldi, Improved, in bloom, 5½-in. 25c.

Arauca Lutea, 4-in., made up, 1c to 20c; 5½-in., 25c.

Cocos Weddelliana, 3-in., 15c; 4-in., 20c.

Primula Chinensis, in bloom, 4-in., 10c; 5½-in., \$2.00 per doz.

We have a big stock of Azaleas for Easter; best varieties 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

Chimera Hybrid, Aschmann's so well known strain, 3-in., 5c; 4-in., 10c; 5½-in., 25c; 6-in., 35c. Cash with order.

Watch for our big display Easter advertisement in a few weeks.

Godfrey Aschmann

WHOLESALE FLORIST,

1012 W. Ontario St., Philadelphia, Pa

Greenhouse Construction.

By Prof. L. R. Taft.

Price \$1.50

AMERICAN FLORIST CO.

440 S. Dearborn St.,

Chicago.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettucens, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per ex., or \$1.50 per ¼ ex., 75c per 1-16 ex., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

DREER'S FINE FERNS

Cyrtomium Falcatum Rochfordianum. The New Crested Holly Fern.



CYRTOMIUM FALCATUM ROCHFORDIANUM

The illustration gives a fair idea of a good 6-inch pot plant of this important novelty which will undoubtedly take the place of the popular Cyrtomium Falcatum which heretofore has been the best selling Fern we grow. The bright glossy-green foliage in this variety is even more pronounced than in the parent and besides this the pinnae, or leaflets, are wavy, or undulated and are also deeply cut, or toothed, giving the plant a very graceful and decorative appearance. It will prove valuable both as a Dish Fern, as well as for growing into specimens in 6 or 8 inch pans for apartment decoration.

	Per doz.	Per 100	Per 1000
2 1/4 in. pots.....	\$1.00	\$ 7.00	\$60.00
4 " "	2.50	20.00	

ADIANTUM FARLEYENSE

You can not afford to get along without these in fine decorations. Our stock is in prime condition and will please you.

4 in. pots.....	\$ 5.00 per doz.,	\$40.00 per 100
5 " "	9.00 " " "	70.00 " " "
6 " "	12.00 " " "	100.00 " " "

CIBOTIUM SCHIEDEI

We are headquarters for this grand decorative Fern, five large houses are devoted exclusively to its cultivation. 6in. pots, \$1.50 each; 10in. tubs, \$3.50 to \$ 5.00 each. 8 " " 2.50 " 12 " " 6.00 to 10.00 "

MIXED FERNS FOR FERN DISHES. Prime stock in 2 1/4 inch pots, \$3.00 per 100; \$30.00 per 1000.

For all Seasonable Horticultural Stock, Hardy and Tender Plants, Bulbs, Seeds and Sundries, consult our Wholesale List, issued quarterly.

The above prices are intended for the trade only.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Asparagus.....

Plumosus, 2 1/4-in. pots.... 1000 100
\$18 00 \$2 00

Primroses

Ohconica Alha and Rosea, 2 1/4-in. pots .. 1 50 Per 100

Geraniums

S. A. Nutt and five other varieties. My selection, 2 1/2 inch pots, \$3.00 per 100.

Coleus

10 varieties. My selection, \$2.00 per 100.

Canna Chas. Henderson, dry hulbs, 2 and 3 eyes..... per 100. \$2.00
Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Budding Knife Free.
See Page 293.

LADY HILLINGDON

Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place your order now for early delivery.

YOUNG STOCK. PRICES:

Grafted.....\$25.00 per 100; \$200.00 per 1000
Own Root..... 20.00 per 100; 150.00 per 1000

WABAN ROSE CONSERVATORIES
Natick, Mass.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Mention the American Florist when writing

— We Have All Kinds of —

BLOOMING PLANTS

For the storeman. A fine lot of Azaleas, Hydrangeas, Roses, white and Red Rambler Roses, Crimson Ramblers, Pink Dorothy, Climbing Bsy Ramblers, etc.

For Easter write us your wants.

Don't forget we are headquarters for Ferns.
GEO. A. KUHLE, Wholesale Grower, Pekin, Ill.

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

VANCOUVER, B. C.—Brown Bros. & Co., Ltd., are reported to have sold lots for municipal purposes at South Vancouver to the value of \$55,000.

LOS ANGELES, CALIF.—Articles of incorporation have been filed by La Habra Nursery Co. with a capital stock of \$5,000. The directors are M. Taniguchi, M. Maruyama and K. Inouye.

SPRINGFIELD, MASS.—The J. W. Adams Nursery Co. has purchased 40 acres of land which they will plant to nursery stock, and which will treble its present capacity. Half a million trees and shrubs will be planted this spring.

TILTON, N. H.—The Boston & Maine R. R. management, following out its policy of retrenchment, has notified the station agents of the southern division that it will not furnish bedding plants or offer prizes for flower displays this year.

CLEVELAND, O.—The preliminary plans for the horticultural building to be located in Wade Park provide for a central structure 80 feet square for a show house with wings extending east and west with a frontage of 275 feet.

MIAMI, FLA.—The branch establishment here of the nurseries of Griffing Bros. Co. are offering real estate in the shape of grape fruit lands near Homestead, Fla., 40 miles south, and do the tree planting at nominal prices to those who buy the land.

WILLOWS, CALIF.—Articles of incorporation have been filed by the Sacramento Valley Nursery Co., with capital stock of \$100,000. L. C. Rice, R. D. Banbury, W. W. Cannarn, John E. Finnall and F. W. Huggins of Los Angeles and W. R. Cheesley and F. M. Griswold of Willows are those interested in the enterprise.

BOSTON, MASS.—Plans have been submitted by the Art commission to the mayor, which were drawn by Olmstead Bros., for the removal of the statues now on Commonwealth avenue to the Public Garden, on the Charles street mall, and the planting of a higher hedge along this side of the garden.

DUNDEE, ILL.—The D. Hill Nursery Co. states that the past season was very hard on newly planted nursery stock and also on established trees, but believe they will make up for it in increased hardiness. This firm makes a specialty of young evergreen and deciduous seedlings and transplants as well as large specimen evergreens.

SACRAMENTO, CALIF.—The state horticultural commission has rescinded its quarantine order against fruit tree exportations from Santa Cruz, Santa Clara, San Mateo and Alameda counties, following the organized protest of the fruit men of these counties, and in its place a drastic inspection of all tree shipments will be made by the commissioners or their authorized representatives.

THE United States Department of Agriculture has issued a decision that when the amount of combined arsenious oxide is stated on Paris green labels, unless it contains as much as claimed, the department will consider the product misbranded. Another decision suggests that as the fungicidal properties of Bordeaux mixture depend upon the copper present, that the label contain the percentage of active ingredients of copper and the inert ingredients.

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
 Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL,
 New York.

Mention the American Florist when writing

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

LARGE TREES

OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.



Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
 Write for descriptions and prices.

The Wm. H. Moon Co.,
 MORRISVILLE, PA.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:
 Per 100 1000

12 to 15 in., light branched.	.....	\$1.00	\$7.00
15 to 20 in., 3 or more branches.	.....	1.50	10.00
20 to 30 in., 4 or more branches.	.....	2.00	15.00
2½ to 3 ft., strong, 6 or more branches	.....	3.00	25.00
3 to 4 ft., extra heavy, 8 or more branches.	.....	4.00	30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.
 Mention the American Florist when writing

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. RUTHERFORD, N. J.

Buy Hill's Evergreens and Get Best Selections

Your standing with your customers depends on the kind of stock you supply them. If it's evergreens, you doubtless have to buy—very few general nurserymen can command the facilities necessary to grow evergreens right.

It's doubly important, then, that you get your stock from growers whom you know you can depend on—whose product you can recommend to your trade as confidently as though you had grown it yourself.

We have the facilities, the men, and the skill necessary to grow evergreens right—and you can depend on what we tell you as gospel fact. We are Evergreen Specialists—have been pushing that line for over fifty years, and are now growing millions of evergreens annually. No other American grower can offer nearly such a complete stock.

You will be particularly interested in our

Seedlings and Transplants

For Nurserymen's and Dealers' Trade,
 Lining Out, Etc.

Our Wholesale Catalog for 1912 is ready. If your copy has not arrived, ask us for it now. Interesting facts and illustrations—and our prices are right.

D. Hill Nursery Company, Inc., Evergreen Specialists,

D. HILL, President.

Largest Growers in America. Box 404, Dundee, Ill.
 Founded 1855.

Deciduous Forest Tree Seedlings Grown in Immense Quantity.

Leaders in Both Quality of Stock and in Varieties.

Our rose stock for greenhouse growing is considered the finest quality which can be produced and there are thousands of customers from California to Maine who will testify to the truth of the assertion,

DOUBLE WHITE KILLARNEY (Budlong) and KILLARNEY QUEEN are our introductions of 1912

Grafted plants..\$30.00 per 100; \$250.00 per 1000
Own root..... 25.00 per 100; 200.00 per 1000

Sunburst, of our own growing, which means quality in the young stock, at the introducer's prices.

Lady Hillingdon, The yellow rose, noted for its wonderful color and freedom of growth.

Grafted plants..\$25.00 per 100; \$200.00 per 1000
Own root.....20.00 per 100; 150.00 per 1000

Mrs. Aaron Ward, Grafted plants, \$20.00 per 100; \$150 per 1000. Own root plants, \$10.00 per 100; \$90.00 per 1000.

Melody, Own root plants,.....\$12.00 per 100
.....\$100.00 per 1000

STANDARD COMERCIAL VARIETIES.

Killarney, White Killarney, Richmond, Mrs. Taft, (Rivoire) My Maryland, Radiance, Grafted plants, \$15.00 per 100; \$120.00 per 1000.

250 of a variety at the 1000 rate.
Special prices quoted on 5000 or more.

Commercial Chrysanthemums

Chadwick Supreme, Roman Gold, and Smith's Advance in quantity. All the choice commercial varieties.

Bedding Stock in Quantity

Coleus, Salvia, Heliotrope,

Place your orders now and be certain of your stock. We guarantee satisfaction to our customers. Satisfactory references or cash required from unknown parties.

A. N. PIERSON, Inc., Cromwell, Conn.

California Privet.

Per 1000

6 to 12 inches	\$ 4.00
12 to 18 inches.....	6 00
18 to 24 inches.....	8.00
2 to 3 feet	10.00
3 to 4 feet	15.00

OAK LAWN NURSERY

Huntsville, Alabama

Roses Originated by Jackson Dawson

Write for pamphlet, including prices.

EASTERN NURSERIES,
1090 Centre St., JAMAICA PLAIN, MASS.
H. S. DAWSON, Manager.

Phoenix Canariensis balled, by the carload, 2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, ft. at 25c, 30c, 40c, 55c, 75c, 95c, \$1.20, \$1.45, \$1.75 and \$2.00 each.

Areca Lapida potted, 2½, 3, 3½, 4, 4½, 5, 5½, 6 ft. at \$1.00, \$1.30, \$1.60, \$1.90, \$2.20, \$2.50, \$2.80 and \$3.10. On small orders, 25% extra, packing included.

THE KENTIA NURSERIES,
Gillespie St. & Fisher Ave., Santa Barbara, Cal.

PRIMULAS, Obconica and Chinese, in bloom, \$5.00 per 100; 2½-in. ready for 4 in. pots, \$1.50 per 100, \$12.50 per 1000. SPRENGERI, fine 2½ in., \$1.50 per 100, \$12.50 per 1000. CINERARIAS, Dwarf Prize; SNAPDRAGONS; BOUBLE ALYSSUM; HELIOTROPE; fine 2½ in., \$2.00 per 100, \$20.00 for \$5.00. FERNS, Whitmani, 4-in., \$10.00 per 100. HARDY IVY, 3 to 4 ft., 4-in., fine, \$3.00 per 100. VINCA, Variegated, 4-in., \$7.00 per 100.

J. C. SCHMIDT, Otter and Maple Sts., BRISTOL PA.

HOLLAND ROSES

Climbers

Tausendschon, on own roots, 2-3 feet, bushy.....	Per 100	Per 1000
	\$3.00	
Crimson Rambler, on own roots, 1½-2½ feet, bushy.....	2.50	\$22.50
Flower of Fairfield, on own roots, 2-2½ feet, bushy.....	4 00	
Dorothy Perkins, on own roots, 4-6 feet, bushy.....	3.00	27.00

BABY ROSES—Grafted.

Mrs. Cutbush.....	4.00
Madame Norbert Levavasseur.....	4.00

RAMBLER ROSES—on 5-5½ feet Rugosa stem.

Crimson Rambler, head 3-4 feet long.....	Per 100,	\$22.50
Wichuriana, " " " "	" "	22.50
Dorothy Perkins, " " " "	" "	22.50

Packing at cost price.

M. KOSTER & SONS, BOSKOOP, HOLLAND.

Cable Address: NOVA BOSKOOP—A B C Code, 5th Ed.

BOSKOOP, HOLLAND, Jan. 26th, 1912.

Gentlemen—I herewith beg to state that I have dissolved my partnership with Messrs. W. Van Kleef & Sons, The Nurseries, Boskoop, Holland, and that I will continue the business relations for my own account from Jan. 27th, 1912, under the name of

VERKADE VAN KLEEF,
(W. Van Kleef, Jr., Prop.) "Nova Nurseries," Boskoop, Holland.

Hoping to be honored with your esteemed orders, which will have my best personal care and attention,
Yours very truly,

Nurseries: Boskoop, Waddinxveen (Holland). **W. VAN KLEEF, Jr.**

SPECIALTIES: Azalea, Buxus, Clematis, Conifers, Magnolia, Paeonies, Rhododendrons (hardy select), Roses, Etc., Etc.

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000		Per 100	Per 1000
Gloriosa.....	\$6 00	\$50 00	Enchantress.....	3 00	25 00
Dorothy Gordon.....	4 00	35 00	Beacon	3 00	25 00
White Perfection	3 50	30 00	Rose Pink Enchantress	2 50	20 00
White Enchantress	\$3 00	25 00	Winsor.....	2 50	20 00

J. D. THOMPSON CARNATION CO.,
Carnation Specialists, JOLIET, ILL.

Carnations

Every One a Plant. Every One Will Grow.

From pots, shipped either with or without soil, which is very loose and can be shaken out.
Alma Ward, White Perfection, White Enchantress, Dorothy Gordon, Winona, Enchantress, Beacon and Victory at \$2.50 per 100; \$25.00 per 1000. Mrs. C. W. Ward at \$3.50 per 100. Washington and White Wonder at \$5.00 per 100.

GERANIUMS

April Delivery.

S. A. Nutt.....per 1000, \$11.50
Ricard and Poitevine.....per 1000, 14.00

COLEUS

Golden Bedder, Verschaffeltii and the standard assorted, at \$6.00 per 1000.
Giant Leaved at \$2.50 per 100.

Asparagus Plumosus

Extra fine stock at \$2.50 per 100; \$25.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Mention the American Florist when writing

ROOTED

Carnation Cuttings

	Per 100	1000
Washington.....	\$6.00	\$50.00
Mrs. C. W. Ward.....	3.00	25.00
Beacon.....	3 00	25.00
White Enchantress	3.00	25.00
May Day.....	2.50	20.00
Sangamo.....	2.50	20.00

250 at 1000 rate. Satisfaction guaranteed.

DES PLAINES FLORAL CO., Des Plaines, Ill.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.

Cash with order.

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

Grafted Rose Plants

Choice stock from flowering wood, ready for delivery April 1st.
Well hardened and in good condition to bench or repot.

Mrs. Aaron Ward	per 100, \$12.00	White Killarney.....	per 100, 12.00
Pink Killarney.....	per 100, 12.00	Rhea Reid.....	per 100, 12.00
Prince de Bulgarie, ready May 1st.....	per 100, \$12.00		

Our stock is all grafted on selected English Manetti.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., CHICAGO.
Greenhouses: HINSDALE, ILL.

Mention the American Florist when writing

Rooted Carnation Cuttings

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000		Per 100	Per 1000
Beacon'.....	\$2 50	\$20 00	Enchantress.....	\$2 00	\$17 50
White Enchantress.....	2 50	20 00	R. P. Enchantress.....	2 00	17 50
R. P. Enchantress.....	2 00	17 50	White Perfection.....	2 00	17 50

PERLE ROSE PLANTS

2½ inch, \$1.00 per 100; \$30.00 per 1000.

PETER REINBERG,

30 East Randolph St., CHICAGO

Mention the American Florist when writing

BEAUTY PLANTS

Perfectly Healthy Stock, free from spot, 2-in. plants, \$6.00 per 100. \$50.00 per 1000.

OLD BENCH BEAUTY PLANTS, \$6.00 per 100; \$50.00 per 1000.

J. A. BUDLONG, 82-84-86 East Randolph St., Chicago

Mention the American Florist when writing



Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.



Pteris Cretica, albo lineata.

PRICE LIST OF Choice Bedding Plants, Ferns, Palms and Nursery Stock
Extra Select Plants of Unsurpassed Quality. Order Now.

BEDDING PLANTS.

Achyranthes—rooted cuttings.	Per 1,000
P. de Bailey	\$6.00
Metallica	6.00
Lindenii	6.00
Warszewiczii	6.00
ACHYRANTHES—2-Inch.	Per 100
P. de Bailey	\$2.50
Metallica	2.00
Lindenii	2.00
Warszewiczii	2.00
AGERATUM, Stella Gurney—2-Inch.	2.00
Princess Pauline—2-Inch	2.00
Cyclamen, seedlings, best varieties.	\$2.50
Cyclamen, 2-inch, best varieties	4.00
Coleus, 2-inch, Pfister, red and yellow; Beckwith's Gem	2.00
Gnaphalium Lanatum—3-inch	5.00
Gnaphalium Lanatum—2-inch	2.00
Heliotrope, 3-inch	4.00
Chrysanthemum, Maximum, Perfectum (Improved Shasta Daisy), strong seedlings	\$5.00
Ivy, English—	
3-in.	\$.075 per doz.
4-in.	1.50 per doz.
Ivy, German, 2-inch	2.00
Ivy, German, 3-inch	4.00
Lantana Delicatissima, 2-inch	2.00
Lobelia Catherine Mallard, rooted cuttings	6.00
Lobelia Catherine Mallard, 2-inch	3.00 25.00
Marguerites, yellow cuttings	6.00
Marguerites, yellow, 2-inch	2.00
Mrs. F. Sanders, new double white, 2-inch	3.00
3-inch	6.00
Cuttings	15.00
SALVIA—Rooted Cuttings.	Per 1,000
Bunfire	\$6.00
Zurich	6.00
SALVIA—2-Inch.	Per 100
Bunfire	2.00
Zurich	2.00
VINCAS—	Doz. 100
2-inch	\$ 2.50
3-inch	5.00
4-inch	\$2.50 15.00
PANSIES, transplanted seedlings.	Per 1,000 \$5.00

FERNS.

BOSTONS.			
Size.	Each.	Doz.	100 1,000
2-inch			\$ 3.00 \$25.00
3-inch		\$ 1.00	8.00
4-inch		1.50	12.00
5-inch		3.00	20.00
6-inch		6.00	45.00
7-inch	\$.075	9.00	
8-inch	1.00	12.00	
9-inch	1.50	18.00	
10-inch	2.50		
12-inch	3.50 to \$5.00		
Boston Fern Baskets, each.	\$1.00, \$1.50, \$2.00		
Ast. Ferns, for Dishes, 2-in., \$3.00 per 100; \$25.00 per 1,000.			
	Each. Doz.		
Cibotium, 7-inch	\$2.50	\$30.00	
8-inch	3.00	36.00	

Stove and Greenhouse Plants

Aspidistra, Variegated	15c per leaf
Araucarias—	
6-in., 4-5 tiers	\$1.00 each; \$12.00 per doz.
7-in., 4-5 tiers	1.50 each; 18.00 per doz.
Asparagus Baskets, \$1.00, \$1.50 and \$2.00 each.	
Asparagus Plumosus—	
2-in.	\$0.40 per doz.; \$ 3.00 per 100
3-in.	.75 per doz.; 6.00 per 100
4-in.	1.50 per doz.; 12.00 per 100
6-in.	4.00 per doz.; 30.00 per 100
Asparagus, S. D.—	
4-in.	\$1.50 per doz.
Cyperus—3-in.	\$.075 per doz.; \$ 5.00 per 100
4-in.	1.50 per doz.; 10.00 per 100
Dracena Indivisa—	
2-in.	\$3.00 per 100; \$25.00 per 1,000
7-in.	\$1.25 each; \$15.00 per doz.
Dracena Massangeana—6-in.	\$1.25 each
7-in.	1.50 each
Dracena Terminalis	
4-in.	\$0.35 each; \$4.00 per doz.
Ficus Elastica (Rubbers)—	
6-in.	\$0.50 each; \$6.00 per doz.
Pandanus Utilis, 3-in., per doz.	\$1.50
PANDANUS VEITCHII.	Each. Doz.
4-inch	\$0.50 \$ 5.00
5-inch	.75 9.00
6-inch	1.00 12.00
Tradescantia Variegata (Wandering Jew)—	
2-inch	\$0.40 per doz.; \$3.00 per 100

BULBS.

Dahlias, Thatcher, double yellow	Per 100 \$12.00
Sylvia, light pink	12.00
A. D. Livoni, shell pink	12.00
J. Cowan, single	12.00
J. Downie	12.00
Ami Barilet, single	12.00
Fashion, single	12.00
Field Clumps	\$80.00 per 1,000
Gladiolus—	Per 1,000
Mrs. Francis King, 2nd size	\$12.00
Mrs. Francis King, 3rd size	8.00
Ismene Calathina, 1st size	.6c each
2nd size	.4c each
3rd size	.2c each

Stock for Easter Forcing.

Rhododendrons	75c, \$1.00 and \$1.25 each
Azaleas—	
Empress of India	75c, \$1.00 and \$1.50 each
Mme. Van der Cruyssen	75c, \$1.00 and \$1.50 each
Lilac, Marie Legraye	\$1.00 each
Kalmia Latifolia	\$1.00 each
Spirea, Gladstone	\$3.00 per dozen
Queen Alexandra	\$4.00 per dozen
Japan Maples	\$1.00 each

Nursery Stock.

From the Field, for Spring Shipment.

SHRUBS.		Feet.	Each.
Morus Alba (Russian Mulberry)	3-4	4	\$0.10
Morus Alba	4-5	5	.15
Rhus Typhina Laciniata (Cut leaf Sumach)	2-3	3	.05
Rhus Typhina Laciniata	3-4	4	.10
Rhus Typhina Laciniata	4	4	.15
Rosa Rugosa, mixed	1½-2	2	.10
Rosa Rugosa, mixed	2-2½	2	.15
Rosa Rugosa Alba (Single White)	1½-2	2	.10
Rosa Rugosa Alba	2-2½	2	.15
Spiraea Van Houttei (Bridal Wreath)	1-2	2	.05
Symphoricarpos			
Racemosus (Snowberry or Waxberry)	2	2	.05
Symphoricarpos Racemosus	2-3	3	.10
Symphoricarpos Vulgaris (Indian Currant)	1-1½	1	.05
Symphoricarpos Vulgaris	2-2½	2	.10
Symphoricarpos Vulgaris	3	3	.15
PERENNIALS.			
Achillea The Pearl (Sneezewort)			.10
Boltonia Asteroides (False Chamomile)			.15
Iris, German, named varieties, divisions according to size of clump			\$.02 and up
Yucca Filamentosa (Adam's Needle or Spanish Bayonet)			.10
Yucca Filamentosa			.15

PALMS

KENTIA BELMOREANA.			
Pot	High	Leaves	Doz. 100
2½-inch	8-in.	4	\$ 1.50 \$12.00
3-inch	8-10-in.	4-5	2.00 15.00
4-inch	12-in.	4	3.60 30.00
4-inch	12-15-in.	4-5	4.50 35.00
5-inch	15-18-in.	5-6	6.00 50.00
		Each Doz.	
5-inch	18-20-in.	5-6	\$ 0.75 \$ 9.00
6-inch	20-22-in.	6-7	1.00 12.00
6-inch	22-24-in.	6-7	1.50 18.00
7-inch	35-40-in.	6-7	4.50
8-inch	40-45-in.	7-8	5.50
9-inch	45-50-in.	7-8	8.00
9-inch	50-54-in.	7-8	10.00

ARECA LUTESCENS.	
3-in., 3 plants in a pot, \$2.00 per doz.; \$15.00 per 100.	
4-in., 3 plants in a pot, \$3.00 per doz.; \$25.00 per 100.	
6-in., 24 to 26 in. high, \$1.50 each.	
7-in., 4-5 plants in a pot, 36-in. high, \$3.00 each.	
8-in., 5-6 plants in a pot, 60-64-in. high, \$5.00 each.	
Cocos Weddelliana, 2 in., \$1.75 per doz.; \$14.00 per 100; 3-in., \$2.50 per doz.; \$20.00 per 100.	

LATANIA BORBONICA.	
2-in., 1 to 2 lvs.	\$3 per 100; \$25 per 1,000
4-inch	\$3 per doz.; \$20 per 100
5-inch	\$5 per doz.; \$40 per 100
6-inch	\$6 per doz.;
PHOENIX CANARIENSIS.	
	High Each
7-inch	36-40-in. \$ 2.50
8-inch	46-50-in. 4.00
10-inch	50-54-in. 8.00
10-inch	60-64-in. 10.00

KENTIA FOSTERIANA.			
Pot	High	Leaves	Doz. 100
2-inch	8-10-in.	4	\$1.50 \$12.00
3-inch	12-14-in.	4-5	2.00 15.00
4-inch	14-16-in.	4-5	4.50 35.00
		Each Doz.	
5-inch	20-24-in.	4-6	\$0.75 \$ 9.00
6-inch	24-30-in.	5-6	1.00 12.00
6-inch	30-36-in.	5-6	1.50
7-inch	36-38-in.	5-6	2.50
7-inch	38-40-in.	5-6	3.50
8-inch	40-42-in.	5-6	4.50
9-inch	46-50-in.	6-7	7.00
MADE UP.			
7-inch	24-30-in.	3-4	\$ 2.50
9-inch	50-54-in.	3-5	8.00
10-inch	58-60-in.	4-5	10.00
12-inch	62-70-in.	4-5	15.00

PHOENIX RECLINATA.	
4-in.	25c each; \$3 doz.; \$20 per 100
5-in.	50c each; \$5 doz.;
6-in.	75c each; \$9 doz.;
PHOENIX ROEBELENI.	
2½-in.	\$2.00 per doz.; \$15.00 per 100
3-in.	\$3.00 per doz.; \$22.50 per 100
5-in.	\$9.00 per doz.; \$70.00 per 100
6-in.	\$12.00 per doz.;
6-in., strong	\$2.00 each
7-in.	\$2.50 each

Heacock's Palms and Ferns

HOME GROWN.
Strong and Well Established.

Our Palm sales have increased over 44% during the year 1911 over their sales during the previous year. We are still strong on the following sizes.

Kentia Belmoreana.			
Pot.	Leaves.	In. high.	Each Doz.
2½-in.	4	8 to 10	\$ 1 50
3 -in.	5	12	2 00
5 -in.	6 to 7	18	\$0 50 6 00
6 -in.	6 to 7	24	1 00 12 00
Ced'r tub. L'va. In. high. Each Doz.			
7-in.	6 to 7	34 to 36	\$2 50 \$30 00
7-in.	6 to 7	36 to 38	3 00 36 00
9-in.	6 to 7	40 to 45	4 00 48 00
9-in.	6 to 7	42 to 48	5 00
9-in.	6 to 7	48 to 54	6 00
Cocos Weddelliana.			
Pot.	In. high.		
2½ in.	8 to 10		\$10 00

Kentia Forsteriana.			
Made Up.			
Cedar tub.	Plants.	In. high.	Each Doz.
7-in.	4	36	\$2 50 \$30 00
7-in.	4	36 to 40	3 00 36 00
9-in.	4	40 to 42	4 00 48 00
9-in.	4	42 to 48	5 00 60 00
Cibotium Schiedel.			
Cedar tub.	Spread		Each
9-in.	4 to 5 feet		\$4 00 to \$5 00
9-in.	5 to 6 feet		6 00

Areca Lutescens.			
Cedar tub.	Planta in tub.	In. high.	Each
9-in.	Several	5 ft	\$7 50
Pot. Phoenix Roebeleni. Each			
5-in.	nicely characterized		\$1 00
6 in.	18 to 20-in. spread		1 50
Cedar			
tub.	High.	Spread.	Each
7-in.	18-in.	24-in.	\$2 00

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station, Jenkintown.

200,000 CARNATIONS

We are rooting over 200,000 this season. Our stock of Pure White Enchantress and Enchantress is hard to beat.

Enchantress	100	1000
Pure White Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Mrs. C. W. Ward	3.50	30.00
Dorothy Gordon	3.50	30.00
White Wonder	6.00	50.00

250 at 1000 rates. Cash or reference.
Smith & Gannett, Geneva, N. Y.

CHRYSANTHEMUMS....

2-in. pots.
Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, at \$7.00 per 100.

ELI CROSS,
25 Monroe Street GRAND RAPIDS, MICH.

Boston Ferns...

2½-in., \$3.00 per 100; \$30.00 per 1000.
WHITMANI
2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rates.
HENRY H. BARROWS & SON, Whitman, Mass.

—For the Best New and Standard—

DAHLIAS

—Address—
Peacock Dahlia Farms,
P O.: Berlin, N. J. Williamstown Junc., N. J.

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The best New and Standard varieties. Send for Wholesale Price List.

BASSETT & WELLER
HAMMONTON, N. J.

Shamrocks True Irish, strong plants, from 1½-inch pots, \$5.00 per 100, \$45.00 per 1000; 1-inch pots with saucers, \$5.00 per 100, \$45.00 per 1000.

Ferns for Dishes, 2½-in., \$3.50 per 100; 30.00 per 1000
Asparagus Plumosus, 2½-in., \$3.50 per 100; \$30.00 per 1000, 3-in., \$6.00 per 100.
500 at 1000 rate. Cash with order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

STOCK ALWAYS NEEDED

Fern Dish Ferns, assorted, \$3.00 per 100, \$25.00 per 1000.
Aspidium - Tsussimense and Cyrtotium Falcatum, \$3.50 per 100, \$30.00 per 1000.
Asparagus Plumosus, 2½-in., \$3.00 per 100, \$25.00 per 1000.
Asparagus Sprengeri, 2½-in., \$2.50 per 100, \$22.00 per 1000.
Pandanus Utilis, 8-in., \$10.00 per 100; 4-in., \$20.00 per 100.
Cocos Weddelliana, 2½-in., \$10.00 per 100.
Anthericum Variegatum, 4 in., strong, \$8.00 per 100.

Rhododendron, Special forcing varieties, 8 to 12 buds, 18 in. high, 75c each; 12 to 14 buds, 24 in. high, \$1.00 each. Bright colored sorts with perfect foliage.
Azaleas Mollis, easily forced, 12 to 15 in. high, full of buds 25c each; 15 to 18 in. high, full of buds, 35c each.
Kentia Belmoreana, 6 in. pots, 5 to 6 leaves, 24 in. high, \$1.00 each; 7 in. pots, 6 leaves, 24 to 26 in. high, \$1.50 each.
Kentia Forsteriana, 7 in. pots, 4 to 18 in. high, 5 to 6 leaves, \$2.50 each; 8 in. pots, 44 to 48 in. high, 5 to 6 leaves, \$3.50 each.

BEDDING STOCK

Hellotrope, Czar, Czarina, Jersey Beauty, etc., \$2.50 per 100.
Coleus, Beckwith Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100, \$20 per 1000.
Croton Aurea Maculata, 3-in. pot plants, \$8 per 100.
English Ivy, strong 4-in., 3 to 4 ft. of tops, \$12 per 100; 2-in. pots, \$3.50 per 100.
Violets, Hardy English or Russian, 2-in., \$5 per 100, \$45 per 1000.
Swainsona Alba, 2½ in., \$4.00 per 100.
Violet Swanley White, \$3.00 per 100.

Geranium Mme. Salleroy, strong 2½-2¼ inch, \$2.50 per 100.
Danias, whole roots, good cut flower sorts, our selection of varieties, \$5.00 per 100.
Cannas, Souv. de A. Crozy, Florence Vaughan, Mrs. Kate Gray, Gladiator, \$2.50 per 100; \$20.00 per 1000. Black Beauty, \$1.00 per 100; \$30.00 per 1000. Venus, (Grand Pink) \$5.00 per 100. Indiana, Orange colored, giant orchid flowered, \$7.00 per 100. Strong two and three eyes, fresh divisions. (See catalog No. 5 for complete list.)

No better proposition for Easter or Memorial Day.

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NOW for seasonable delivery.

Write for descriptive circular. Cultural directions with each shipment.

\$12.00 per 100; \$100.00 per 1000.

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Order Now. Look up your needs for the Spring trade and place your order at once. Don't wait until you actually need the stock. Early orders will prove a mutual benefit

NEW ROSES FOR 1912

Double White Killarney—(Budlong)

The most valuable White Forcing Rose ever offered.
Own roots.....each, 75c; doz., \$6.00; 100, \$25.00; 1000, \$200.00
Grafted.....each, 75c; doz., 7.50; 100, 30.00; 1000, 250.00

Killarney Queen—(Budlong)

A cerise pink sport of Killarney.
Own roots.....each, 75c; doz., \$6.00; 100, \$25.00; 1000, \$200.00
Grafted.....each, 75c; doz., 7.50; 100, 30.00; 1000, 250.00

Lady Hillingdon.

An excellent forcing variety of a deep coppery yellow.
Own roots.....each, 40c; doz., \$3.00; 100, \$20.00; 1000, \$150.00
Grafted.....each, 40c; doz., 4.00; 100, 25.00; 1000, 200.00

Sunburst.

An intense shade of golden yellow. Own roots...each, 75c doz., \$5.00



JESSIE, THE NEW BABY RAMBLER.

BABY RAMBLERS

	Each	Doz.	100	1000
Crimson Baby, 2 year	\$0 20	\$2 00	\$14 00	\$135 00
3 year	25	2 50	16 00	150 00
Jessie, "the best of all," 2 year, selected	35	3 50	25 00	240 00
3 year, selected	45	4 50	30 00	
Orleans, 2 year, bushy	35	3 50	25 00	
Phyllis, 2 year	25	2 00	16 00	155 00

STANDARD SORTS

	Doz.	100	1000
Dormant, Two-Year, Field Grown and Budded Plants unless otherwise noted.	Doz.	100	Doz. 100
Alfred Colomb, bright red	\$2 00	\$14 00	
American Beauty, deep pink	2 00	15 00	\$1 25 \$8 00
Baron de Bonstetten, dark red	2 00	14 00	
Baroness Rothschild, satiny pink	2 00	14 00	
Cardinal, dark red			1 00 7 00
Captain Christy, flesh white	2 00	15 00	
Caroline Testout, satin rose	2 00	15 00	
Clothilde Soupert, pearly white			60 4 00
3-inch pot plants, doz., 85c; 100, \$6 00.			
Write for prices on thousand lots.			
Fisher Holmes, deep crimson	2 00	14 00	
Frau Karl Druschki, best white	2 00	15 00	
Gen. Jacqueminot, bright crimson	2 00	14 00	
Gen. Washington, crimson scarlet	2 00	14 00	
Gruss an Teplitz, scarlet crimson	2 00	15 00	60 4 00
Hermosa, bright pink	2 00	15 00	60 4 00
Hugh Dickson, brilliant crimson	2 50	18 00	
John Hopper, rosy crimson	2 00	14 00	
J. B. Clark, intense scarlet	2 00	15 00	
Kais. Aug. Victoria, white	2 50	18 00	75 5 00
Killarney, choice pink	2 50	18 00	85 6 00
Grafted, doz., \$2 00; 100, \$15 00.			
Killarney, Double Pink			2 50 12 00
Grafted, doz., \$3 00; 100, \$20 00.			
Killarney, White	3 00	22 00	1 00 7 00
Grafted, doz., \$2 00; 100, \$15 00.			
La France, bright satin pink	2 00	15 00	
Lady Ashtown, very pale rose	2 50	18 00	
Mabel Morrison, pure white	2 00	15 00	
Mme. Abel Chatenay, salmon pink	2 00	15 00	
Mme. Gabriel Luizet, satiny pink	2 00	14 00	
Mme. Jules Grolez, cherry red			75 5 00
Mme. Segond Weber, rosy salmon			75 5 00
Magna Charta, deep pink	2 00	14 00	
Maman Cochet, pink or white			75 5 00
Marshall P. Wilder, bright red	2 00	15 00	
Moss, double pink and white	2 00	15 00	
Mrs. Aaron Ward, golden orange			1 50 10 00
Grafted, doz., \$3 00; 100, \$20 00.			
Mrs. John Laing, bright pink	2 00	14 00	
Mrs. R. G. S. Crawford, flesh pink	2 00	14 00	
My Maryland, salmon pink, Grafted stock only, doz., \$2 00; 100, \$15 00.			
Paul Neyron, deep rose	2 00	14 00	
Perle des Jardins, straw yellow			1 00 7 50
Persian Yellow, yellow	2 00	15 00	
Prince Camille de Rohan, crimson	2 00	14 00	
Prince de Bulgarie, salmon pink			1 00 7 50
Grafted, doz., \$2 00; 100, \$15 00.			
Richmond, handsome crimson			1 00 7 50
Soleil d'Or, yellow	2 50	18 00	
Sony, de Pres. Carnot, flush white			85 6 00
Ulrich Brunner, cherry crimson	2 00	14 00	
W. R. Smith, creamy white			5 6 00

CLIMBING ROSES

	Each	Doz.	100	1000
American Pillar, single pink	\$0 30	\$3 00	\$22 00	
Baltimore Belle, pale blush	20	2 00	12 00	
Crimson Rambler, 2 year select	20	2 00	15 00	
3 year select	25	2 50	18 00	
Dorothy Perkins, shell pink, 2 year select	20	2 00	15 00	
3 year select	25	2 50	18 00	
Flower of Fairfield, everblooming Crimson Rambler	25	2 50	18 00	

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NEW YORK

Greenhouses, Nursery and Trial Grounds at Western Springs, Ill.

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WALDEN, N. Y.

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Sandcross Lane, REIGATE, ENGLAND,
will ship Oncid. Varicosum and Capt. Loddigesii
in April and May. Enquire now.

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Our First Collections Come in April.

CATTLEYA labrata
CATTLEYA Perc vallana
CATTLEYA Trianae
CATTLEYA Schroederac
CATTLEYA Wendell
CATTLEYA Gaskelliana
CATTLEYA Mossiae
CATTLEYA Speciosissima

Will you receive yours from the First importations?
Send for Catalogue.

G. L. FREEMAN, We llfleet, Mas^s

The Early Advertisement Gets There

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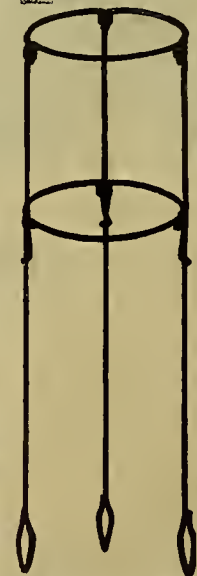
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Achyranthes, Emerson, Beateri Mosachu, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

AGERATUMS.

Ageratum, Stella Gurney, Princess Pauline, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALTERNANTHERAS.

Alternantheras, R. C., P. major, A. Nana, 50c per 100; \$4 per 1,000. Brillantissima, 60c per 100; \$5 per 1,000. J. W. Davis, 225 W. 16th St., Davenport, Iowa.

ARAUCARIAS.

Araucaria excelsa, 5½-in., 6 to 7-in., 50c, 60c, 75c, \$1, \$1.25 to \$1.50. Robusta compacta and glauca, 6-in., \$1, \$1.25 to \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechalin, 4911 Quincy St., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus basketa, \$1, \$1.50 and \$2 each. Plumosa, 2-in., 40c per doz.; \$3 per 100; 3-in., 75c per doz.; \$6 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 6-in., \$4 per doz.; \$30 per 100. Asparagus S. D., 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus plumosa nanus, from 2¼-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosa nanus, extra heavy, 3¼-in., \$4.50 per 100. Sprenger, 3¼-in., \$4 per 100. Place your order now if you want some of these plants. Wagner Park Conservatories, Sidney, O.

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Asparagus plumosa, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 2½-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosa, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

Asparagus plumosa, 2¼-in., \$3 per 100; \$25 per 1,000. S. S. Skidelaky & Co., 1215 Betz Bldg., Philadelphia.

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Potbound 3-in. Sprenger, can be shifted into 5-in., \$6 per 100. C. O. Pollworth Co., Milwaukee, Wis.

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Asparagus plumosa, \$2.50 per 100; \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosa, 2¼-in., \$2 per 100; \$18 per 1,000. Joseph H. Cunningham, Delaware, O.

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Aspidistras, variegated, 15c per leaf. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Azalea, Empress of India, 75c, \$1 and \$1.50 each. Van der Cruyssen, 75c, \$1 and \$1.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea Mollis, 12 to 15 ins., 25c each; 15 to 18 ins., 35c each. Storrs & Harrison Co., Painesville, O.

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Bay trees and box trees; all sizes. Write for special list. Julia Roehra Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Begonias, Vernon, white and pink, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Rex begonia, assorted, 3-in., \$5 per 100. The Dinger & Conard Co., West Grove, Pa.

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Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood, Bobbink & Atkins, Rutherford, N. J.

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Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Flake, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Gladioli bulbs. Extra choice mixture of Groff's Hybrids. Choice named varieties among lot, 1½ to 2½-in., \$6.75 per 1,000; 80c per 100; 1 to 1½-in., \$3.50 per 1,000; 40c per 100; under 1-in., \$1.50 per 1,000; 25c per 100. Pearl G. Waltz, R. D. 24, Box 122, South Akron, Ohio.

Gladioli, Mrs. Francis King, 2nd size, \$12 per 1,000; 3rd size, \$8. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Bulbs, Lilium Harrisii, 7-9, \$17 per case of 250 bulbs. White hyacintha, 12-15 ctms., \$18 per 1,000. Paper White Grandi, Narclaus, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Bulbs, Lilium giganteum, 7-9, \$65 per 1,000. L. Auratum, 8-9, \$52.50 per 1,000; 9-11, \$30. L. Album, 8-9, \$35 per 1,000; 9-11, \$120. L. Rubrum, 9-11, \$30 per 1,000. L. Melpomene, 9-11, \$85 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lillies. E. S. Miller, Wading River, N. Y.

Bulbs, hyacintha, tulips, narclaus, crocus, spiraea, gladiolus, peonies, etc. Van Zanten Bros., Hillegom, Holland.

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Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, begonias and gloxinias. McHutchison & Co., 17 Murray St., New York.

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Bulbs. Currier Bulbs Co., Seabright, Calif.

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CANNAS. Select, 2 to 4 eye tubers, Beauts Poitevine, David Harum, Pres. Cleveland, Fleming, \$2 per 100. Paul Marquart, Olinabar, Mrs. G. Stroblen, \$1.50 per 100. Robusta, Sec. Chabanne, \$1 per 100. Mixed, fine assortment, 75c per 100. Wagner Park Conservatories, Sidney, O.

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Canna, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crimson Bedder, Chas. Henderson, David Harum, Allemania, Shenandoah, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

Cannas. For varieties and prices see advertisement elsewhere in this issue. W. W. Colea, Kokomo, Ind.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Roddington, 342 W. 14th St., New York.

Canna. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Canna, Chas. Henderson, 2 to 3 eyes, \$2 per 100. Joa. H. Cunningham, Delaware, O.

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Strong, Well Rooted Cuttings.		
	Per 100	Per 1000
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Glo-Joia	6.00	50.00
Pink Delight	6.00	50.00
Bonfire	6.00	50.00
Christmas Cheer	6.00	50.00
Princess Charming	6.00	50.00
White Enchantress, pure white	3.00	25.00
White Perfection	3.00	25.00
Victory	3.00	25.00
Scarlet Glow	3.00	25.00
Afterglow	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Dorothy Gordon	3.00	25.00
Enchantress	3.00	25.00
May Day, very fine	3.00	25.00

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	Per 100	Per 1000
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Winsor	2.00	15.00
White Lawson	2.00	15.00
Pink Lawson	2.00	15.00
Washington	6.00	50.00
Enchantress	3.00	25.00

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162 N. Wabash Ave., Chicago.

Carnations, from pots, White Perfection, White Enchantress, Dorothy Gordon, Winona, Enchantress, Beacon, Victory, \$2.50 per 100; \$25 per 1,000. Mrs. C. W. Ward, \$3.50 per 100. Washington and White Wonder, \$5 per 100. A. M. Herr, Lancaster, Pa.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

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Carnations, Washington, Bright Spot, \$6 per 100; \$50 per 1,000. Mrs. C. W. Ward, \$4 per 100; \$30 per 1,000. Sangamo, Dorothy Gordon, White Enchantress, Enchantress, White Perfection, May Day, Beacon, Scarlet Glow, \$3 per 100; \$25 per 1,000. A. C. Brown, Springfield, Ill.

Carnations, strong rooted stem cuttings, Washington, \$5 per 100. Winsor, \$15 per 1,000. Having no room we are offering about 40,000 Victories and White Perfection, first-class cuttings at the price of \$13 per 1,000. 100 at 1,000 rate. Cash or references. Northwestern Floral Co., Gross Point, Ill.

Carnations, Gloriosa, Norwood, \$6 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Perfection, \$3.50 per 100; \$30 per 1,000. White Enchantress, Enchantress Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Rosette, \$12 per 100; \$100 per 1,000. Scarlet Glow, White Perfection, \$3 per 100; \$25 per 1,000. Boudire, \$6 per 100; \$50 per 1,000. Rose P. Enchantress, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., Lafayette, Ind.

Carnations, Washington, \$6 per 100; \$50 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000; Beacon, \$3 per 100; \$25 per 1,000; White Enchantress, \$3 per 100; \$25 per 1,000; May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Dea Plaines Floral Co., Dea Plaines, Ill.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000; White Wonder, \$6 per 100; \$50 per 1,000. Smith & Gannett, Geneva, N. Y.

Carnations, Beacon, White Enchantress, \$2.50 per 100; \$20 per 1,000. Rose Pink Enchantress, Enchantress White Perfection, \$2 per 100; \$17.50 per 1,000. Peter Reuberg, 30 E. Randolph St., Chicago.

Carnation Benora, \$12 per 100; \$100 per 1,000. Peter Fisher, Ellis, Mass.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

March 1st delivery.

Table listing various chrysanthemum varieties and prices, including Crimson, Pickett's Crimson, Intensity, White, Alice Byron, Touset, October Frost, Yellow, Crocus, Golden Glow, Halliday, Maj. Bonnaffon, Pink, Pacific Supreme.

J. D. THOMPSON CARNATION CO., JOLIET, ILL.

Chrysanthemums, Early Snow, Estelle, Golden Glow, Pacific, Supreme, Bonnaffon, J. Nonin, Noyaya, rooted cuttings, \$1 per 100. Edward Wallia, Atco, N. J.

Chrysanthemums, 2-in. pots, Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, \$7 per 100. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, Mary Colladay, 35c each; \$4 per doz.; \$25 per 100. The Strafford Flower Farm, Strafford, Pa.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, Chadwick, Supreme, Roman Gold and Smith's Advance. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemum Maximum perfectum (improved Shaata daisy), seedlings, \$5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Hardy chrysanthemums, 2-in., \$2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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

CINERARIAS.

Cinerarias, the largest flowering grown, fine 3-in., \$3.50 per 100. J. W. Miller, Sbiemens-town, Pa.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per \$100; \$40 per 1,000. The Good & Reess Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffelti, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, Brilliantissima, 2-in., \$3 per 100; 3-in., \$4. G. Bedder, Verschaffelti, Queen Victoria, 2-in., \$2; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, G. Bedder, Verschaffelti and standard sorts, \$6 per 1,000. Giant-leaved, \$2.50 per 100. A. M. Herr, Lancaster, Pa.

Coleus, 2-in., Pfister, red and yellow Beckwith's Gem, \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago.

Coleus. A. N. Pierson, Inc., Cromwell, Conn.

CYPERUS.

Cyperus, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlia, a choice list of best novelties and varieties for cutting or garden use. True to name. Send for catalogue of dahlias, hollyhocks, hardy plants, etc. Prices reasonable. W. W. Wilmore, Box 382, Denver, Colo.

Dahlia. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlias, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, new and standard varieties. Bassett & Weller, Hammoncton, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

Marguerites, yellow, cuttings, \$6 per 1,000; \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DEUTZIAS.

Deutzia gracilis, 20c each; \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracaena indivisa, 2-in., \$3 per 100; \$25 per 1,000; 7-in., \$1.25 each; \$15 per doz. Dracaena Massangeana, \$1.25 each; 7-in., \$1.50 each. Dracaena terminalis, 4-in., 35c each; \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 6-in., \$15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston, 2-in., \$3 per 100; \$25 per 1,000; 3-in., \$1 per doz.; \$8 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; \$45 per 100; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz.; 10-in., \$2.50 each; 12-in., \$3.50 to \$5 each. Boston fern baskets, \$1, \$1.50 and \$2 each. Assorted ferns for dishes, 2-in., 40c per doz.; \$3 per 100; \$25 per 1,000. Cibotium, 7-in., \$2.50 each; \$30 per doz.; 8-in., \$3 each; \$36 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes, Pteris Mayi, Wilsoni, Winsetti and Alba lineata, 2 1/2-in., 50c per doz.; \$3 per 100; \$25 per 1000; 3-in. Pteris Wilsoni and Winsetti, 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

ROOSEVELT FERN is a winner. We offer 2 1/2-in., \$2 per doz.; \$15 per 100; 3-in., \$2.50 per doz.; \$17.50 per 100. F. O. B. here. THE CONARD & JONES CO., West Grove, Pa.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000. Ferns, strong plants, 2-in., \$3 per 100; \$25 per 1,000. Adiantum Farleyense, strong plants, 4-in., \$4 per doz. Cash please. Rober & Badke, Maywood, Ill.

Ferns, 5-in. \$3.25 per doz.; \$25 per 100; 2 1/2-in., \$5 per 100. Superblissima, 2 1/2-in., \$6 per 100. Whitman, 5-in., \$30 per 100. These are all first-class, clean full pot-grown plants. Superior Nursery Co., 59th St. and Compton Ave., Los Angeles, Calif.

Ferns, Amerpohli, Barrowsi, Scotti, Elegantisima, Boston, Jacksoni, Sword and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dingee & Conrad Co., West Grove, Pa.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. B. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, 4-in., \$12 per 100, Boston, Barrow, Elegantisima. Also 2 1/2-in., Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferna, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Ferns for dishes, assorted, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Ferna. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FIGUS.

Ficus Repens, 2 1/2-in., \$4 per 100; 4-in., \$10 per 100. These are extra strong and ready to shift. Superior Nursery Co., 59th St. and Compton Ave., Los Angeles, Calif.

Ficus elastica, 6-in., 50c each; \$6 per doz. Ficus ripens, 2 1/2-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, \$25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

S. A. NUTT.

Strong select top cuttings, well rooted, \$1.50 per 100; \$14 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums.—For varieties and prices see advertisement on front cover of this issue. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt, \$1.25 per 100; \$11.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Geraniums, Nutt, \$11.50 per 1,000. Ricard and Poitevine, \$14 per 1,000. A. M. Kerr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 23th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 23th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Wild smilax and leucothoe. Louisville Floral Co., Louisville, Ala.

Greens. Henry M. Robinson & Co., 46 W. 26th St., New York.

HARDY PLANTS.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

HOLLYHOCKS.—A fancy mixture of the Allegheny strain. Pure, clean seed, \$4 per lb. Why not grow your own plants? W. W. Wilmore, Box 382, Denver, Colo.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

HELIOTROPES.

Heliotrope, Albert De Laux, Chieftain, Mme. Brusat, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otakaa, 6-7 inch, 3 to 4 flowered stems, \$5 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Parlor Ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, German, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English Ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivies, German, 60c; Eng., 75c; prepaid. Chas. Frost, Keenlwerth, N. J.

English Ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storr & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Sterra & Harrison Co., Painesville, O.

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, M. Legraye, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the Valley, Chicago Market Brand, \$2 per 100; \$17 per 1,000. Florists' Money Maker, \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3038-42 W. Madison St., Chicago.

LOBELIAS.

Lobelias Kathleen Mallard, rooted cuttings, \$3 per 1,000; 2-in., \$3 per 100; \$25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

MUSHROOM SPAWN.

Mushroom Spawm, Lambert's Pure Culture. American Spawm Co., St. Paul, Minn.

NURSERY STOCK.

Aithess, Hydrangeas, Privet, Barberries, Philadelphus, Spreas, Dentzias, Forsythias, Weigelas, Viburnums.

Write for prices and sizes.

THE CONARD & JONES CO., West Grove, Pa.

900 White Snowberry, 2 1/2 to 3 1/2 feet, \$8 per 100. 1,500 Golden Willow, 3 to 4 feet, \$5 per 100. 800 Buckthorn, 4 to 5 feet, \$8 per 100. 1,900 Spirea Van Houttei, 2 1/2 to 3 1/2 feet, \$6 per 100. HENRY LAKE SONS CO., Nurserymen, Black River Falls, Wis.

Nursery stock, trees, shrubs and perennials. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Japan Maple, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Evergreens. D. Hill Nursery Co., Box 404, Dundee, Ill.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Reigate, England.

Orchids, Cattleya and Laelia Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$1.50 per doz. Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storr & Harrison Co., Painesville, O.

PALMS.

KENTIA BELMOREANA, 2 1/2-in. pots, 10-15 inches tall, four or more characterized leaves, \$9 per 100 and worth the money. Jackson & Perkins Co., Newark, New York.

Palms, Phoenix Canariensis and Areca Sapida. For prices see advertisement elsewhere in this issue. The Kentia Nurseries, Santa Barbara, Calif.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storr & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. McHutchison & Co, 17 Murray St., New York.

PANSIES.

SOMETHING NEW, something different from our gardens—the PANSY WONDERLAND. New color plate catalogue ready March 1st. Tells all about "MASTODONS," the premier mixed strain of pansies. Reset plants, 100, \$2.50; 1,000, \$22.50 prepaid; seed, 1-12 oz., \$1; oz., \$9. STEELE'S MASTODON PANSY GARDENS. Portland, Oregon.

Pansies, forget-me-nots, daisies, wallflowers, sweet Williams, gillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, transp. seedlings, \$5 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNJAS.

Petunjas, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunjas, dbl. mixed and white, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Petunjas, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5 1/2 and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Reber & Radke, Maywood, Ill.

PRIMULAS.

Miller's Giant Obconica, average larger than silver dollars. Fine 3-inch, \$5 per 100. Cash. J. W. Miller, Shremanstown, Pa.

PRIVET.

200,000 Cal. Privet, 2-year, \$12 per 1,000; 4 to 6 branches and up; large stock Ampelopsis Veitchii, Clematis Pauciflora, 1, 2 and 3-year-old; fine stock Hydrangeas, English Ivy, Shrubs, Vines, Dahlias and Cannas. Get my list; it will pay you. Benj. Connell, Florist, Merchantville, N. J.

California and Amero River privet in quantity. Let us quote you before buying. We will save you money. Valdesian Nurseries, Boatie, N. C.

Privet, California, 6 to 12-in., \$4 per 1,000; 12 to 18, \$0; 18 to 24, \$8; 2 to 3 feet, \$10; 3 to 4 feet, \$15. Oak Lawn Nursery, Huntsville, Ala.

California privet, 8 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dloges & Coard Co., West Grove, Pa.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 8 to 12 buds, 18 ins., 75c each; 12 to 14 buds, 24 ins., \$1 each. Storr & Harrison Co., Painesville, O.

Rhododendrons, 18-24 ins. named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

Rhododendrons, 75c, \$1 and \$1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROOTED CUTTINGS.

Rooted cuttings, verbenas, 60c per 100; \$5 per 1,000. Salvias, 80c per 100; \$7 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Giant dbl. Alyssum, 80c per 100. Ageratum, 60c per 100; \$5 per 1,000. Petunias, \$1.25 per 100; \$10 per 1,000. Pelargoniums, \$2.50 per 100; \$22 per 1,000. Heliotrope, 80c per 100; \$7 per 1,000. Daisies, \$1 per 100; \$8 per 1,000. Feverfew, \$1 per 100; \$9 per 1,000. S. D. Brant, Clay Center, Kans.

ROSES.

ROOTED CUTTINGS.

American Beauty	100	1,000
Richmond	\$4.50	\$40.00
Pink Killarney	2.00	15.00
White Killarney	3.00	25.00
	2.50	20.00

AMERICAN BEAUTY BENCH PLANTS.

\$7.50 per 100; \$70.00 per 1,000.

RICHMOND BENCH PLANTS.

1 year old, \$6 per 100; \$50 per 1,000.

Satisfaction Guaranteed—Ready New.

GEO. REINBERG,

162 N. Wabash Ave. Chicago, Ill.

ROSES. Send for complete list.

	Per 100
American Pillar, 3-year	\$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

THE CONARD & JONES CO.,

WEST GROVE, PA.

ROSES.—Fine healthy stock. White and Pink Cochet, Souv. de P. Notting, Apricot, Cle. Souper, Gruss an Teplitz, Sunrise, Frau Deegan, Wellesley, Mrs. B. R. Cant and Climbing Souper, 2-in., \$3 per 100. Wagner Park Conservatories, Sidney, O.

ROSES. Own-root. My Maryland, Pink Killarney, White Killarney, Richmond, Perle, Bride and Bridlesmaid, 2 1/2-in. pots, \$5 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthus, Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. M. Kester & Sons, Boskoop, Holland.

Roses. Eastern Nurseries, 1090 Centre St., Jamaica Plain, Mass.

SALVIAS.

Salvias, rooted cuttings, Bonfire, Zurich, \$8 per 100; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Salvias, Bonfire, Zurich, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Salvias. A. N. Pierson, Inc., Cromwell, Conn.

SEEDS.

High grade ASTER SEED grown by the aster specialists from carefully selected seed, in Oregon, the natural home of the aster. Giant Crego Aster, white, shell pink, rose pink and purple, 1/2 oz., 40c; ounce, \$3. Vick's Mikado Pink "Rochester," a beautiful lavender pink, 1/2 oz., 40c; ounce, \$3. Ask for descriptive circular. Herbert & Fleishauer, McMinnville, Oregon.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

SOW NOW if you want them for early Spring sales.

Beigan Bedding Queen, finest pink	\$2.50	\$0.50
" Gracilla luminosa, finest red	2.50	.50
" Triumph, finest white.....	2.50	.50

O. V. Zangen, Hoboken, N. J.

Seeds, Specialties: Beet, carrot, sweet corn, peas, beans, onion sets, seed potatoes. S. D. Woodruff & Sons, Orange, Conn., and New York City.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, Asparagus plumosus nanus, per 100 seeds, 60c; 250 seeds, \$1.25; 1,000 seeds, \$4; 5,000 seeds, \$3.75 per 1,000. Vaughan's Seed Store, Chicago and New York.

Seeds, chrysanthemum poppies new and Shirley, 1 pkt. each 50c. M. J. Schaaf, Dansville, N. Y.

Seeds, pansy, 1,000 mixed, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Flower seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, beans, peas, radish and all garden seeds, onion sets. Leonard Seed Co., 226-30 W. Kinzie St., Chicago.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seeds, lawn grass. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Onion seed and onion sets. Schilder Bros., Chillicothe, Ohio.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, Watermelon and Muskmelon. J. Frank Corry, Enid, Okla.

Seeds, sunflower, \$3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds, flower, for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

SHAMROCKS.

Shamrocks, true Irish, strong plants, 1 1/2 and 1-in. pots, with saucers, \$5 per 100; \$45 per 1,000. Frank Oechslein, 4911 Quincey St., Chicago.

SMILAX.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlins, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spirea Gladstone, \$3 per doz. Queen Alexandra, \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

STRAWBERRY PLANTS.

Fall Bearing Strawberry Plants, best varieties. Catalogue free. Basil Perry, Cool Spring, Del.

TRADESCANTIA.

Tradescantia, variegated, 2-in., 40c per doz.; \$3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VERBENAS.

VERBENAS—Our selection of rooted cuttings, 75c per 100; \$6 per 1,000. Plants, 2 1/2-in., \$2.50 per 100; \$20 per 1,000. Purchaser's Selection, rooted cuttings, 90c per 100; \$8 per 1,000. Plants, \$3 per 100; \$25 per 1,000. NEW VARIETIES, cuttings, \$1 per 100; plants, \$4 per 100. J. L. DILLON, Bloomshurg, Pa.

Verbenas, 5 colors, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon Verbenas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VINCAS.

Vinca variegated, exceptional strong pot-grown, we have too many, so will sacrifice to reduce stock; 2 1/2-in., 2c; 3-in., 5c; 5-in., 10c; the 5-in. are so very strong they would stand division of roots well; they are just right for shipping now; very heavy rooted with medium vines. Cash. The Thos. Chapman Floral Co., 801 West Sixth Ave., Denver, Colo.

Vinca Variegata, rooted tips, \$1 per 100. Good, strong, 2 1/2-in. pot plants, \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vincas, 2-in., \$2.50 per 100; 3-in., \$5; 4-in., \$2 per doz.; \$15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca, new golden (minor aurea), 3-in., \$2 per doz.; \$15 per 100. Wm. Tricker, Arlington, N. J.

TO EXCHANGE.

To Exchange—R. C. of Enchantress, May Day, Scarlet Glow and White Perfection, also rose plants both field and pot grown, summer propagated, including such varieties as Lady Hillingdon, Ward and the Killameya. Write for list. For 3 1/2, 4, 5 and 6-in. Boston, Whitman, Scottii, elegantissima or any other plume fern. Rosemont Gardens, Montgomery, Ala.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschel Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintendent erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, 1 to 2-in. thick, random or specified widths, 10 to 16 feet. William-Kuny Mill and Lumber Co., Mound City, Ill.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Steel and iron work. Scully Steel and Iron Co., Chicago and New York.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

INSECTICIDES.

Insecticides, Aphine, \$1 per quart; \$2.50 per gal. Fungine, 75c per quart; \$2 per gal. Alpine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, \$2 per bag 100 lbs. The H. A. Spoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, \$1.50. Nikoteen Aphid Funk, \$0.50 per case of 12 paraffined boxes.

FERTILIZERS.

Domato plant food, 25c per package. North American Mercantile Co., San Francisco, Calif.

GREENHOUSE CONSTRUCTION.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame hotbeds. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietach Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

GUTTERS.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, Sixth and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MATS.

The cheapest and most practical Hotbed and Cold Frame Mat on the market. Send for circular and price list. Watts Bros., Kerrmoor, Pa.

Straw (rye) Mats, 3 ft. by 6 ft., each, \$1.25; dozen, \$14; 6 ft. by 6 ft., each, \$2.25; dozen, \$25. Vaughan's Seed Store, Chicago.

MISCELLANEOUS.

Crestlawn ball-bearing mowers, 14-in., \$12; 16-in., \$13; 18-in., \$14; 20-in., \$15. The P. & N. Lawn Mower Co., Richmond, Ind.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Folding Flower Boxes. For sizes and prices see advertisement elsewhere in this issue. A. A. Arnold, 16 to 22 S. Peoria St., Chicago.

Superior hanging baskets. E. G. Gillett, 131 E. Third St., Cincinnati, O.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

The Travis Greenhouse Rocker Grates. G. E. Travis Co., Henry, Ill.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Baskets. Send for a \$5 or \$10 assortment. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

St. Patrick's carnation fluid, \$1 per quart; 50c per pint. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Sunlight double glass sash for hotbeds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Fruit baskets, pansy baskets, Veneer planting pots. Webster Basket Co., Webster, Monroe Co., N. Y.

Dennison's florists' tags. Denolson Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Andrews cast iron vases. J. K. Andrews, Elgin, Ill.

Florists' Supplies. Henry M. Robinson & Co., 46 W. 26th St., New York.

Gold leaf letters and initials. American Importing Co., 219 South Dearborn St., Chicago.

Iron Reservoir Vases. Washington Iron Works, Buffalo, N. Y.

Olmsted's Improved Reliable Mole Trap. L. H. Olmsted Sons, Hasbrouck Heights, N. J.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reet Pottery Co., South Zanesville, Ohio.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

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SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WHOLESALE CUT FLOWERS.

Alleo, J. K., New York.
Amling Co., E. C., Chicago.
Angermueller, Geo. H., St. Louis, Mo.
Badgley, Riedel & Meyer, Inc., New York.
Bassett & Washburn, Chicago.
Berning, H. G., St. Louis, Mo.
Budlong, J. A., Chicago.
Chicago Carnation Co., Chicago.
Chicago Flower Growers' Ass'n., Chicago.
Critchell, C. E., Cincinnati, O.
Deamud Co., J. B., Chicago.
Elliott, W. H., Brighton, Mass.
Ford, M. C., New York.
Froment, H. E., New York.
Greater N. Y. Florists' Ass'n., New York.
Growers' Cut Flower Co., New York.
Gunther Bros., New York.
Hoerher Bros., Chicago.
Hoffmeister Floral Co., Cincinnati, O.
Holt & Hunkel Co., Milwaukee, Wis.
Hunt, E. H., Chicago.
Kasting Co., Wm. F., Buffalo, N. Y.
Kennelcott Bros. Co., Chicago.
Kessler, Wm. A., New York.
Kruchten, John, Chicago.
Kuehler, Wm. H., Brooklyn, N. Y.
Kuehn, C. A., St. Louis, Mo.
Kyle & Foerster, Chicago.
Lecakes & Co., New York.
McCallum Co., Pittsburg, Pa., and Cleveland, O.
McCullough's Sons Co., J. M., Cincinnati, O.
McKellar, Chas. W., Chicago.
Meconi, Paul, New York.
Millang, Chas., New York.
Moltz & Co., New York.
Moore, Hentz & Nash, New York.
Munk Floral Co., Columbus, O.
N. Y. Cut Flower Exchange, New York.
Nlessen Co., The Leo, Philadelphia, Pa.
Randall Co., A. L., Chicago.
Reinberg, Geo., Chicago.
Reinberg, Peter, Chicago.
Rice Bros., Minneapolis, Minn.
Rusch & Co., Gust, Milwaukee, Wis.
Pennock-Meehan Co., S. S., Philadelphia.
Percy Jones, Chicago.
Pittsburg Cut Flower Co., Pittsburg, Pa.
Peohlmann Bros. Co., Chicago.
Pollworth Co., C. C., Milwaukee, Wis.
Seattle Cut Flower Exchange, Seattle, Wash.
Sheridan, W. F., New York.
Smith, P. J., New York.
Smith, Wm. C., St. Louis, Mo.
Thompson Carnation Co., J. D., Joliet, Ill.
Totty, Chas. H., Madison, N. J.
Treadly & Schenck, New York.
Welland & Risch, Chicago.
Welsh Bros., Boston, Mass.
Wietor Bros., Chicago.
Winterson Co., Ed., Chicago.
Witthold Co., The Geo., Chicago.
Vaughan, A. L. & Co., Chicago.
Young & Co., A. L., New York.
Zech & Msnn, Chicago.

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are especially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. \$1.00.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. \$6.00.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

HEATING AND VENTILATING BUILDINGS (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. \$4.00.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

DAFFODILS, NARCISSUS AND HOW TO GROW THEM (A. M. Kirby).—Contains all that is really worth knowing about these most popular of spring bulbs, written from the standpoint of American conditions. Illustrated, 233 pages; postpaid, \$1.21.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. \$6.00.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. 25 cents.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. \$1.25.

THE BOOK OF WATER GARDENING (Bisset).—A most complete and excellent work on this fascinating subject. It is written by a thoroughly competent cultivator and is up-to-date in every particular. It contains 200 pages and 139 fine illustrations and is equally useful to the amateur and professional. \$2.50.

GINSENG (Kains).—At the present time, when so much interest is taken in ginseng, it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

SUCCESS IN MARKET GARDENING (Rawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the large glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, \$1.00.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

THE CULTURE OF WATER LILIES AND AQUATIC PLANTS (Henderson).—Growers of hardy and tender water lilies and other aquatics will find this an excellent guide in cultural and descriptive matters. The lists of varieties have been very carefully prepared. Handsomely illustrated. 50 cents.

THE GARDEN MONTH BY MONTH (Sedgwick).—A well classified list of hardy herbaceous and other plants arranged for each month in the year. Water plants, vines, ferns, foliage plants and others all have separate chapters devoted to them and a color chart is an unusual and extremely useful addition to a most carefully compiled and excellent book. Finely illustrated. \$4.30.

THE GARDEN BEAUTIFUL (Robinson).—Written in Mr. Robinson's unique style and a most comprehensive and excellent work; a classic in garden literature in fact. All phases of beautiful outdoor gardening are treated upon by this past master in the art. No one having anything to do with park planting, landscape work or arboriculture generally can afford to be without this fine work. English edition, finely printed and illustrated. \$4.

The American Florist Co.

440 S. Dearborn St. Chicago

Shipping Labels for Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Size 6½x4½.

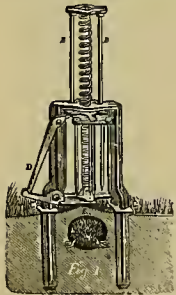


Price per 500, \$2.85; per 1000, \$4.50. Send for sample.

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

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OLMSTED'S Improved Reliable Mole Trap.



This trap is constructed entirely of steel and iron. Each trap is packed in a strong paper box.

Carried in stock by Jobbers, Nurserymen, Florists and Seedsmen throughout the U. S.

"Ground Moles: Their Habits, and How to Catch Them," a book, free.

L. H. OLMSTED'S SON, Hasbrouck Heights, N. J.

BUCHBINDER BROS.,

518-20 Milwaukee Ave., CHICAGO.

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Manufacturers and Dealers of

Store and Office Fixtures.

Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning Hall Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

The Regan Printing House

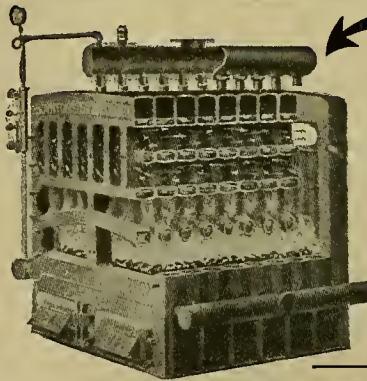
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FOR HEATING ALL KINDS OF BUILDINGS

Especially Adapted to Heating Greenhouses

New York { Chicago } Jersey City
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The Travis Greenhouse Rocker Grates



Shown Partly Open.

Self Contained.

You can install them in a few minutes without tools. No cutting or changing on your boiler front. The mash finger design that is properly

made. Guaranteed to do just what we claim for them Measure Size of Your Furnace, and See Our Exhibit at the Flower Show, Joliet, Ill., March 5th and 6th

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REED & KELLER,

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We Manufacture all Our Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glass-ware, Pottery, Decorative Greens and all Florists' Requisites.

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For GREENHOUSES

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You'll say so when you see it. There are only two rows of columns in these houses, wide as they are. The trussing is the safe and sound compression truss.

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Write our nearest office.

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Let us quote you on new and second-hand

BOILERS, PIPE, FITTINGS, GLASS,
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METROPOLITAN MATERIAL CO.,
1394-1412 Metropolitan Ave., Brooklyn, N. Y.

Budding Knife Free. See Page 293

SCULLY SERVICE

If you are going to erect a building and want to avoid vexatious and expensive delays see **Scully** about your steel. He will furnish it in advance of your need. If you need structural material, steel plate, steel bars, twisted bars, sheet steel or bolts, rivets, nuts, etc., write, telegraph or telephone **Scully**.

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HOUSES**

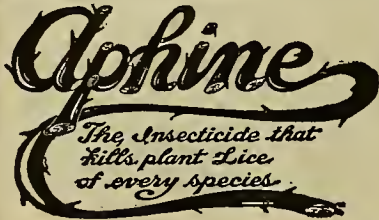


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Of Guaranteed Greenhouse Supplies.

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Gentlemen: In reply to your letter of January 27th, will say that we have been using FUNGINE on lettuce for dry wilt, on roses for mildew, also on growing tomato plants. We are very much pleased with the success that we have had with it.

We use the APHINE for lice on lettuce, instead of — (a nicotine preparation) and other mixtures. We also find this to be very successful.

Kindly advise us if you put this up in barrel lots. If so, give us prices, as we will be using more and more of this FUNGINE as the season advances.

We will be glad to refer any of the Grand Rapids growers to these products.

Yours very truly,
GRAND RAPIDS GREENHOUSE CO.

FUNGINE

For Sale by Seedsmen.

Manufactured by

Aphine Manufacturing Company
MADISON N. J.



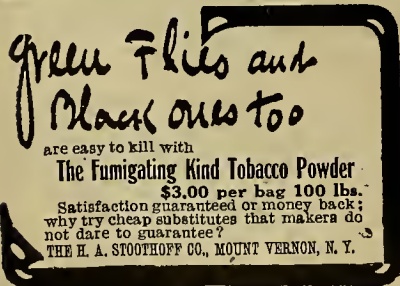
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Factories:

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Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

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318-320 Front Street,

What Is It?

It Is a Vegetable Fertilizer.

It is absolutely odorless.

For Potted Plants, Lawns and Gardens.

25c per package.

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Cattle Manure in Bags

Shredded or Pulverized



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Pulverized Sheep Manure

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THE BEST Bug Killer and Bloom Saver

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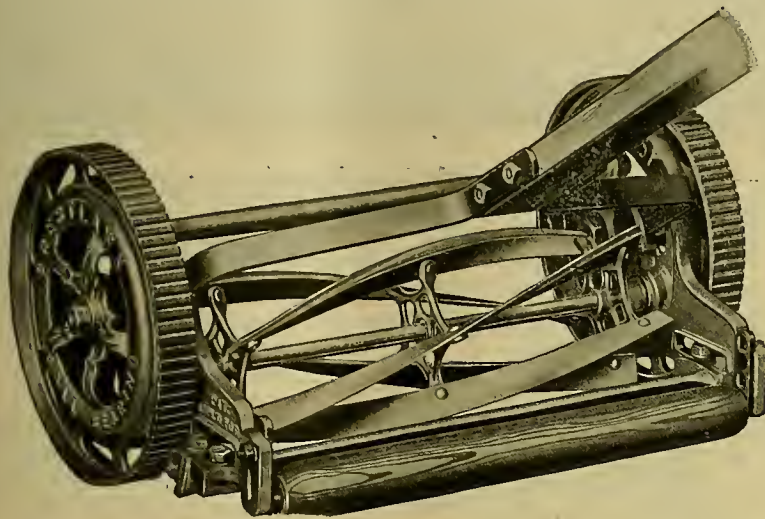
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Owensboro, Ky

Budding Knife Free. See page 293.

Crestlawn Ball Bearing

"Every Bearing Ball Bearing."



A mower of peculiar excellence. Designed especially for parks, cemeteries and gardeners where quality and construction is appreciated.

The Crestlawn is the only mower on earth built with Ball Bearing Drive Wheels and a Four-Squared Interlocking Frame, that will not get out of Alignment. Self Adjustment Ball Bearings. Always Ready For Use. Self Sharpening. The Crestlawn is admittedly the easiest running lawn mower made and is recognized today as a standard by which all other mowers are measured, Made in four sizes.

Inches 14-in. 16-in. 18-in. 20-in.
Price \$12.00 \$13.00 \$14.00 \$15.00

Handsome Literature for the asking.

Sold in Chicago and New York by Vaughan's Seed Store.

The F. & N. Lawn Mower Co., Richmond, Ind.

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Write for samples and lowest prices to

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219 So. Dearborn St., CHICAGO.

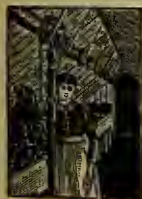


TIME IS MONEY Save 1/2 the time greening your designs by using Florists' Greening Pins. 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.

Wm. Schlatter & Son, Springfield Mass.

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EVANS' Improved Challenge Ventilating Apparatus

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Your new Kroeschell Boiler is heating 15,000 sq. ft. of glass, and it would take care of 5,000 ft. more. We can maintain any temperature from 55 degrees to 70 degrees and have had no trouble to keep proper temperatures even in the coldest weather.

We can heat the 15,000 ft. connected to the KROESCHELL boiler with 25% less gas than used with either of the CAST IRON boilers, and with a great deal more satisfaction. We shall be glad to have any prospective customer inspect our new range.

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KROESCHELL BROS. CO., 452 West Erie Street, Chicago.

FIRST-CLASS Second Hand Boilers

Fully Guaranteed

Note the low prices quoted on these Boilers suitable for greenhouses. We would suggest ordering at once if you wish to take advantage.

- 2 42-in. x 10-ft. Kewanee Fire Box Boilers\$150 00
- 2 42-in. x 11½ ft. Kewanee Fire Box Boilers 175 00
- 1 54-in. x 12-ft. Hot Water Internally Fired Boiler..... 200 00
- 1 54-in. x 12-ft Internal Fired Steam Boiler..... 225 00
- 4 60-in. x 16-ft. Horizontal Tubular BoilersEach 275 00

All kinds of first class second hand Boiler Tubes, Piping, Fittings, Valves, etc. Write for our latest Price List No. 47.

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MANUFACTURERS OF
Fruit Baskets
—AND—
Pansy Baskets

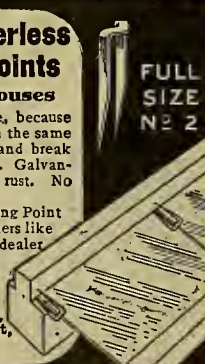
ALSO Veneer Planting Pots,

which are much stronger, better and cheaper than pasteboard pots.

Get our price before ordering elsewhere.

WEBSTER BASKET CO.,
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Dreer's Peerless Glazing Points
For Greenhouses



Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

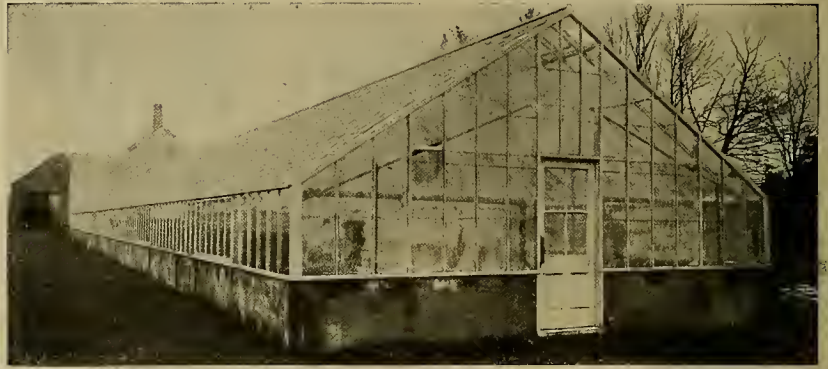
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EDWARDS FOLDING BOX CO

MANUFACTURERS
PHILADELPHIA, PA.



One Leading Market Grower's Opinion of L. & B. Houses.



Mr. Charles H. Stewart,
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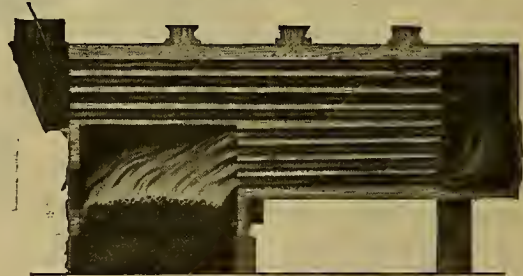
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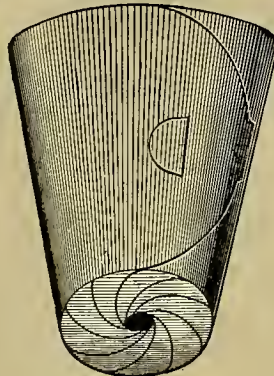
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CHICAGO AND NEW YORK, MARCH 9, 1912.

No. 1240

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SUGGESTIONS FOR PLANT GROWERS.

Lilacs for Easter.

A large variety of blooming plants can be grown for Easter, and dwarf, shapely lilacs are appreciated by all flower lovers, and the cut sprays have now become a standard winter flower. For the pot plants the imported budded stock is preferable, but for cut blooms any lilac may be lifted and they force quickly and easily in a warm house. The varieties most grown for pot plants are Marie Lagraye white and Charles X purple. Four weeks in a temperature of 65° will bring them into flower. The plants when placed in the greenhouse should be syringed several times a day in order to assist the buds to swell and kept in a dark place. As soon as the buds begin to open the plants can be placed in full sunlight. The common lilac can be forced in the same manner. A bush which is well set with flower buds, and these are easily distinguished from the leaf buds, can be lifted and planted in a bench and will furnish fine sprays of flowers. If the plant is kept shaded from the sun by spreading a heavy cloth over it the flowers of the purple varieties will be white when forced. The plants will require plenty of water for they make but little root growth and bloom upon the vitality which has been stored.

Iceland Popples.

A beautiful cut flower for summer use not often grown is the Iceland poppy. While it is a perennial, yet can be treated as an annual if the seed is sown early and the plants transplanted. Seeds sown in March will bloom the coming summer, and the varieties of color range through the yellow and orange to white. The petals have a peculiar satiny texture and are beautifully crumpled, and if the flowers are picked in the early morning they will stand in water for a long time and are very decorative. There are few annuals that will attract more attention than a vase of these lovely poppies arranged with appropriate green, and besides they have a delicious fragrance.

They are easily grown, and if the flowers are kept picked will continue to bloom all summer. Another poppy that can be grown for cut flowers is the Shirley poppy, but the flowers do not last as well as the Iceland poppies.

Camellias.

While it is a question if the camellia will ever become as popular as it was years ago, yet there seems to be a growing demand for the blooms of the "Japonica" as it was so familiarly known to the grandparents of the present generation, and the flowers are well adapted to certain classes of work or occasions. A few dwarf plants are now also seen in flower in some of the stores. They are easily grown, the prime requisite being a cool house, one with a night temperature of 45° to 50°, and the constant care throughout the year that all hard-wooded plants require. The large specimens which are grown for cut blooms may be planted in the ground of the house, first spading in a quantity of leaf-mold and rotted cow manure. The smaller plants are generally grown in pots, firmly planted in the same kind of soil, with plenty of drainage. They do not need repotting often and when done the shift should be to only one size larger, and this should be done just after the plant is through flowering, for it then starts to make its growth for another season. When the growth starts the plants should be given plenty of water and frequently syringed; in fact careful watering is the one thing necessary in their culture. They should never become dry, and during the hot days of summer frequent syringings are required, which also greatly assists in keeping down mealy bug and scale, the only two insects to which the plant is subject. The cause of the buds dropping, which will sometimes occur, can invariably be traced to the plant becoming dry sometime during its growth. During the summer heavy shade over the plants will be required and an abundance of air should be provided at this time.

BUDDING KNIFE FREE

See Page 353.

Caladiums.

During the summer months it is not so easy to keep a good display in the window or in the houses connected with the office, for the variety of plants is not large that can be used for this purpose. The fancy leaved caladiums are very decorative at this time and they are always very attractive. The tubers should be procured and started early in March. Place them closely together in boxes of chopped moss covered to the depth of about an inch; to have them covered is important as the new roots are made from the top of the tubers. As the largest bulbs start first it is better to sort them according to size. A good heat is necessary and the boxes should be placed in a temperature of 70° to 85°. As soon as a good lot of roots are formed the tubers should be potted in a soil composed principally of leaf-mold with a liberal sprinkling of sand in as small a pot as will hold the tubers. Keep the plants in good heat and water carefully until the leaves begin to grow. The plants will then need a shift to larger pots and a fair amount of well-rotted manure may be added. A position near the glass which can be shaded from strong sunlight is to be preferred. After the plants get well established frequent watering with liquid manure is necessary to their proper development. It is much better to grow them in small pots with constant stimulating than to put them into too large sizes. The highly colored leaves make a beautiful showing all summer.

Ericas.

While there are not many of the heaths grown in this country in comparison with the large number of varieties cultivated in Europe, yet there are some growers that are very successful in their culture, plainly showing that they can be well grown here. The selection of soil is of great importance, they requiring a good fibrous peat and no manure, and the summer culture is a prime factor. The cuttings are easily rooted in midwinter and early spring and should, as soon as rooted, be planted in small pots. The older plants should be severely trimmed into shape as soon as through blooming. They should be placed outside as early as possible, and the pots plunged in a good light location. *Erica melanthera* can be grown by planting in the ground and lifting in August or early September, but the roots are very fine and care should be taken that the ground does not become too dry during the summer. Careful watering is the important factor in the growing of all the ericas. They should never get dry or the plants will not flower, and with our dry summers the plants must be continually watched. A cool house ranging from 40° to 50°, with plenty of ventilation, is the location where the best results will be obtained.

EAST BRIDGEWATER, MASS.—J. K. Alexander is planning the erection of a building for shipping purposes.

LITTLE RIVER, FLA.—J. J. Soar succeeds Soar Bros. With a prodigal water supply, well piped, low muck soil, he can produce under lath freely most decorative plants which require careful greenhouse handling in the north. There should be room for growth on these lines.

Examination for Park Gardeners.

The writer having served as an examiner of candidates for the position of gardener in the West Parks of Chicago, and having been much disappointed, both in the number of applicants and the ability of most of them, has thought that perhaps many missed trying for these most excellent and desirable positions through a mistaken idea regarding the examinations, and a fear of not getting a square deal. It seems, therefore, that a little talk on the subject may be desirable.

All gardeners in the West Parks work eight hours only. They are now under civil service regulations and after their probation period of 90 days is over, can not be discharged without charges being filed and a regular trial be held, at which they may defend themselves and may bring in witnesses. The superintendent of employment, Mr. Heuchling, who is the backbone of the civil service board, which conducts the examinations and tries all charges against employes, is an expert in his line of work and is most successfully working to put the whole method of securing and handling employes on an honest and fair basis—that is, honest to the public and fair to the employes.

The position of head gardener pays from \$140 to \$200 per month and the working gardeners are paid \$2.50 for an eight-hour day's work.

The examination was partly written and partly oral and consisted of:

1. A short written examination as a simple, general educational test. This counted as 10 per cent of the whole.
2. A record of previous experience and gardening education counting 30 per cent.
3. Two written and one oral examinations to ascertain the practical and scientific knowledge of the applicant, which counted 60 per cent.

QUESTIONS FOR EDUCATIONAL TEST.

Arithmetic—

1. (a) A laborer works 3½ days at

a rate of \$1.75 per day and 8¼ days at a rate of \$2 per day. What amount is due him for wages?

(b) A florist, who is on duty 30 days in the month, is paid at the rate of \$75 per month. If he is absent for 13 days what amount is due him for wages?

English and Letter Writing—

2 and 3. Assume that Mr. John Smith, living at 2834 Ogden avenue, Chicago, has written you asking for information as to the best method of caring for canna bulbs over winter. Write him a letter about 100 words in reply, signing the name, John Doe, to this letter.

General Information—

4. (a) What is a payroll for employes' wages and what information should it contain?

(b) What is a time book and what information should it contain? When should entries be made in a time book in order to make it a reliable record of the services of each employe?

EXPERIENCE TEST.

(Note: Any false statement in this paper is cause for removal from the eligible list or for discharge after appointment.)

1. What is your age?
2. Name all the schools and colleges you have attended, giving in each case the course of study you pursued, the length of time you attended and whether you finished the course.
3. Are you employed at present? If so, give the name and address of your employer, the salary you receive and the date you started to work, and tell briefly the nature of the work you do. If you have supervision over other employes, state the number and salary of the men under your charge.
4. Describe all the other practical experience you have had in floral or horticultural work. In each case give the names and addresses of your employers, the salary you received, when you started and when you left and describe the nature of the work you did.



CALADIUM ARGYRITES (HUMBOLDTII).

If you supervised other employes state the number of men under your charge.

5. Describe any special investigations or other work, not mentioned before, which you have done, that would tend to fit you for the position of head florist.

PRACTICAL AND SCIENTIFIC TEST.

First paper—Time: 2½ hours.

1. Give a programme for displays in the conservatories throughout the year, beginning with the month of January.

2. When should the plants used in the above displays be started in order to be ready for exhibition at the proper time?

3. Assume that you are in charge of the propagating houses and conservatory at Garfield Park. The propagating plant consists of 11 houses, each 16 feet by 175 feet, and the conservatory and show houses have a floor area of 68,000 square feet. State how many men you would require to carry on the work and outline briefly the duties of each.

4. (a) At what time, from what material and in what manner would you prepare your main supply of potting soil, and how would you subsequently care for it?

(b) How would you dispose of the surplus earth from discarded plants?

5. (a) Name fifteen orchids that are commonly grown under glass and give the time of blooming and time of resting period for each.

(b) Answer briefly what is a 1, Nymphaea; 2, Lymnacharis; 3, Nelumbium; 4, Victoria; 5, Acacia; 6, Delphinium; 7, Medera; 8, Lygodium; 9, Passiflora; 10, Sedum; 11, Grevillia; 12, Cissus; 13, Primula; 14, Cibotium; 15, Dicksonia; 16, Adiantum; 17, Amaryllis; 18, Convallaria; 19, Eulalia; 20, Ipomoea; 21, Manetti; 22, Sphagnum; 23, Syringa; 24, Cypridium; 25, Philadelphus.

Second paper—2½ hours.

1. The weather being 20 degrees below zero, how would you proceed to deliver a wagon load of begonias and poinsettias at a point three miles distant?

2. (a) Name a good grass seed mixture for general use and state how many pounds per acre you would sow.

(b) How may good grass seed be judged by inspection?

3. Give a short list of hardy shrubs suitable for forcing.

4. (a) What is a day's work of eight hours for a man potting geranium cutting into 2½-inch pots?

(b) What is an eight-hour day's work for a man shifting geraniums from 3-inch to 4-inch pots?

5. Suppose the nights should turn very cold early in the fall and you were afraid of frost, how would you attempt to save the plants that were out of doors?

6. Name the important reference books on greenhouse plants with which you are familiar and state briefly the scope of each.

7. Describe briefly the methods of glazing greenhouses, the materials used, and how best to quickly repair breakage.

8. Name four kinds of fertilizers commonly used in greenhouses, state how and in what quantities you would use them.

9. What is meant by resting a plant? Name six plants requiring rest and give the customary time when each requires rest.



EASTER LILAC.

10. (a) Name fifteen palms commonly grown under glass.

(b) Name fifteen blooming plants, excluding orchids, that are commonly grown under glass.

In the verbal test 30 plants were selected from the conservatories—common plants, nothing unusual or rare—and each candidate was asked to name them. This test was marked on a scale of 100, 5 points being deducted for each error. The highest number named was 29 with a mark of 95, the lowest 6 with a mark of 0. The first oral question asked was: If you were appointed to this position what would be the first thing you would do. One candidate answered: "I would see what I could propagate." The best answer was: "I would study the work and get acquainted with the men and see what each could do."

Another question was: Suppose the commissioners should ask you to build a pond for aquatics, state fully how you would do it, how you would plant the pond, giving varieties of plants and methods of planting and how you would plant the borders. This was followed up by: "Are insects troublesome to water plants, and if so, what are the best ways of destroying them?" One candidate thought insects did not trouble water plants. One candidate recommended cement bottom for the pond and he was asked how to protect it from frost in winter. It will be noted that the questions all through were largely intended to give the candidates a full chance to show their practical knowledge, although, of course, a head gardener must know plants and be able to spell plant names reasonably well; and questions were

given for testing knowledge in that line also. In these examinations all receiving a mark of 70 or over are placed on the eligible list, the highest one getting the first chance at the job and if he fails to make good or resigns then the next highest has a chance, and so on.

The astonishing thing to the examiners was that only one candidate was able to pass, and that so many should present themselves who were totally unfit from every point of view.

The examination for working gardeners was along the same lines but, of course, much simpler. One candidate was unable to name a single one of the 30 plants used for test. They were not marked down so severely for failure to name plants, the naming of 20 out of the 30 being considered fairly good.

In all cases the candidates were given numbers and were examined under number, their names not being given to the examiners.

The following notes made privately by the writer may be of interest:

Candidate A—Badly handicapped by lack of knowledge of English and lack of experience in charge of men. Displays no fitness for so responsible a position.

Candidate B—Not a bad type of man but not "big" enough for the job.

Candidate C—Probably a good foreman. No general ideas. Not a high class man.

Candidate D—Has evidently studied books and has a good memory. Superficial. Needs age and responsibility. Will probably make a good man in time.

The above, of course, refer to the head gardener candidates.

There were only seven men taking the head gardener's examination and nine of the others. This was most disappointing, as there are men everywhere competent to pass who are working in much less desirable positions and who would better themselves by getting into this park work.

WRITTEN EXAMINATION FOR GARDENERS.

(Note: The weight of this written paper will be 4. Each candidate will be given an oral test on his ability to recognize a number of greenhouse plants. The weight of this test will be 2.)

1. (a) What insects are most troublesome to palms and tropical plants, and what would you use to keep them in check?

(b) What insects are troublesome to soft wooded plants, such as chrysanthemums, geraniums, coleus, etc., and what would you do to destroy them?

(c) What is the most troublesome insect to orchids, and what other insects are they troubled with, and how would you keep them in check?

2. What is meant by resting a plant? Name six plants requiring rest, and give customary time when each needs rest.

3. (a) How would you know when a potted plant needs water?

(b) How do you know when a plant is over-watered?

4. (a) What kind of soil would you use for chrysanthemums and how would you prepare it?

(b) What kind of soil would you use for fancy leaf caladiums and how would you prepare it?

(c) What kind of soil would you use for geraniums?

5. Give the best growing temperatures, day and night, for the following plants: cinerarias, fancy caladiums, Begonia Lorraine, primula, poinsettia, stevia, geranium, coleus, calceolaria, lily of the valley, stove plants, erica, lilies, alternanthera, echeveria.

6. Name the best method of propagating the following plants: bouvardia, echeveria, Rex begonia, Begonia Lorraine, geraniums, peperomia, palm, ficus, azalea, cineraria, pennisetum, Begonia Vernon, gloxinia, petunia, cyclamen.

7. (a) How many cuttings can you pot in 2½-inch pots in an eight-hour day and do a good job?

(b) How many geraniums can you shift in an eight-hour day from 3-inch to 4-inch pots?

8. (a) What is meant by forcing a plant?

(b) Name six kinds of plants suitable for forcing.

9. What is meant by disbudding a chrysanthemum plant? how do you do it? and what is it done for?

10. What is meant by feeding a plant, and when should a plant be fed?
W. N. RUDD.

GERMANTOWN, PA.—Frank R. Hastings has opened a flower store at 8 West Cheltenham avenue.

OMAHA, NEB.—Paul B. Floth has made a settlement with the gas company, receiving \$6,000 for the loss of plants which were destroyed by gas entering the greenhouses from leaking street mains.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

John Mangel's New Store.

An event of interest to the retail trade of Chicago was the opening of John Mangel's new store at 17 East Monroe street this week, which we illustrate. The proposed demolition of the building at the corner of Monroe street and Wabash avenue of which Mr. Mangel occupied the corner store, necessitated his procuring new quarters and he leased the store in the Palmer house formerly occupied by H. C. Rowe. For the last month the workmen have been busy remodelling and decorating the store under the immediate supervision of Mr. Mangel, with the result that the public has the opportunity to inspect one of the finest floral stores in the city, located in the center of the business district.

The decorations are of Louis XVI. period and the elaborate cornice and dado, as well as all the furnishings, are of birch finished in natural color and ornamented with gold, the frieze being heavily decorated with gold figures so much in vogue at that renowned period. The color tone of the entire decoration is in light brown and gold. The walls are covered with beautiful oil painted canvas representing festal and wooded scenes by a cele-

brated artist. The ceiling is a series of small arches of cream color decorated with sprays of foliage. In the center are four large glass chandeliers enclosing a cluster of electric lights that cast prismatic colors throughout the store. There are no tables or counters in the front store, but three beautiful show cases provided at the top with receptacles for ice, will contain the choicest of flowers for the customer's inspection and a small office, all made of birch and finished like the other fittings. Two writing tables with chairs are placed on either side of the store.

Two-thirds of the way back the store is divided by two columns and in the rear are the refrigerators and work tables. A large mantel of the same finish as the woodwork of the store is placed in the rear and in this a large mirror reflects all the beauties of the store. Back of the mantel is a small room with an entrance to the hotel lobby, and this is filled with splendid specimens of blooming and decorative plants.

The front of the store was remodelled, a large plate glass window coming down to the floor, which is of tile, was built in, and two Roman lights of gilt containing four high powered electric lights, ornament each side of the store, surmounted by a large sign bearing the name, "Mangel, Florist."



H. C. ROWE'S NEW STORE, CHICAGO.



JOHN MANGEL'S NEW STORE, CHICAGO.

St. Patrick's Day Favors.

There is a growing tendency among people of all nationalities in America to celebrate St. Patrick's day in some way and the usual dinner is the most popular. The following suggestions may lead to a few ideas of adding or emphasizing a touch of greenness by way of favors, or souvenirs for the occasion:

Take the brown or green earthenware baby jardinières and arrange them with shamrocks in the following manner: Fill with soil and in the center place a round stick about six inches in height and wind it with narrow green satin ribbon, the color of the shamrock. On top of the stick fasten a ball of moss about the size of the opening of the jardinière, which it is to ornament. Cover this ball with shamrocks in a flat manner; around the base, to cover the soil, stem small bunches of shamrocks and arrange them loosely around the base of stick. Lily of the valley could be used around the base if a touch of contrast is desired. The center piece for the table will look well with shamrocks in the center planted closely together, using border or garland effect of lily of the valley, with maiden hair fern in a thick ruche as a finish.

Shamrock-shaped dishes filled with shamrocks are as popular as ever. In the more expensive pieces these shamrock dishes are made of porcelain instead of earthenware and some are very elaborately decorated.

The small round Japanese baskets filled with growing shamrocks are effective, but the basket must be cov-

ered with a pretty shade of green satin to harmonize with the green of the shamrock. This should be on the handkerchief order, allowing the four ends to extend above and up to the shamrocks, tying it with a silver or bronze gauze ribbon to hold the satin in place. The small green split wood handle baskets look well filled with shamrocks and tied with lavender and green gauze ribbon. Small tripods with the gypsy kettle in the center can be prettily decorated with shamrocks in the center of the kettle, also ornamenting the tripod with them; in the middle, on top of the tripod, a green candle can be well placed. In place of filling the kettle with shamrocks cover the outside of the kettle with shamrocks and fill it with candy shamrocks. These can be arranged to advantage around a centerpiece made of shamrocks and maiden hair ferns, allowing the large leaves of the maiden hair to fall over the sides on the table and give them a wide sweep. Place the tripods at convenient intervals and when the candles are lighted they will make a pretty setting, emphasizing the green. Around the tripods a flat garland-shaped arrangement of shamrocks will look well. In this green garland, low green candlesticks, with candles of green, can be placed effectively, or even the ordinary brass candlestick can be used to advantage with the shamrock garland so made as to cover everything except the candle itself. This arrangement should be sufficiently low so as to not affect the other decoration.

A practical favor that is appreciated is the rustic green candlestick which

can be decorated with a shamrock shade and a ring of shamrocks around the base. Or the taller green candlestick arranged with a shamrock shield, from which a shower of shamrocks can be effectively draped. These shields can be made of pasteboard in the shape of a shamrock and covered with green satin on which the shamrock can be sewed. From the stem of the shamrock shield which should be a little wide and straight at the end, attach three different lengths of a shamrock shower. These favors can be placed on a mat of shamrocks.

The new brass round metal finger bowls filled with growing shamrocks make a pretty favor. Some of the newest designs look like a miniature jardinière and have a deep greenish cast. The little shamrock hats are always popular and can be placed to advantage on a green mat made of shamrocks with rosebuds as a band for the little hat. The hats can be filled with mint candies in shamrock shape.

Those round receptacles used on polished tables for water glasses make a dainty favor. Those having a tile with a silver metal rim can be bought for 25 cents, and when filled with shamrocks, with a green satin ribbon run through the open metal part and tied in a pretty rosette, make an inexpensive and pretty favor as well as souvenir of the occasion. A little dexterity must be used in making the favors dainty as well as artistic. Small Indian canoes can be used as favors filled with shamrocks and ornamented on either end with a green silk flag. Or the body of the canoe can be made of shamrocks and filled with bonbons.

Flags made of shamrocks, using the green silk flags on which the shamrocks are sewed, will make an odd centerpiece where the basket foundation is of rosebuds and their foliage interspersed with shamrocks, using the maiden hair as a finish or asparagus sprays. Use shamrock bonbon boxes tied with a loosely arranged bunch of shamrocks and a pretty ribbon rosette finish. Or the tiny square covered Indian basket, fixing it so the lid will stand upright. Fill with shamrocks and tie with a green ribbon, making a rosette in the center of the body of the basket and a smaller oblong bow on the edge of the cover.

A. E. KLUNDER.

WITH THE GROWERS

J. W. Davis Co., Bettendorf, Iowa.

Without a doubt one of the finest ranges of greenhouses to be found anywhere in the United States was that built last summer by the Lord & Burnham Co. for the J. W. Davis Co. at Bettendorf, a suburb of Davenport, Ia. This range, which we illustrate, consists of three houses 34x600 feet with a propagating house 34x300 feet and as fine a boiler house and workrooms as can be found anywhere.

The houses are all steel, glass and concrete, and are devoted to the forcing of cucumbers. Compound vacuum steam heating is the system used, the steam being made by three 350 h. p. boilers, two steam pumps which raise the water from a 200 foot well, give ample supply, with all the force that may be needed. Provisions have been made in the building of the power house for the installation of three more boilers, still leaving room for the storage of three to five car loads of coal. A railroad siding enables them to throw the coal from the car into the boiler room, thereby saving hauling and expense. A smoke stack five feet in diameter (inside measurement) and over 100 feet high gives draft enough to burn anything with burn in it. Electric lights everywhere furnish plenty of light in case night work is necessary. There are 15 men employed in the place at the present time, all under the genial foreman, Mr. Ankney, a gentleman whom it does a whole lot of good to meet—and one worthy to be called a friend.

J. W. Davis, "the Professor," is well known to the trade, having been connected with the business at Morrison, Ill., Aurora, and later buying out the well known establishment of the late Chas. Dannacher at Davenport, which

he still owns and conducts. He is no doubt the best posted "Cuke-Man" in the United States, making the growing of cucumbers his specialty for the past 25 years. He needs no boasting, for those that know him are mighty glad of his acquaintance. His work in this vicinity goes to show that he is a hard working painstaking man. Those that have worked under him know him as a fair, honest, kind-hearted employer. We know that Mr. Davis will be a success, and we can already picture in our minds one of the greatest establishments of its kind in the United States. Besides cucumbers, tomatoes, radishes and other vegetables are



Dr. William Trelease.

grown, and shipped to St. Paul, Milwaukee, Chicago, and the nearby cities. At the old place in Davenport bedding plants and ferns are also grown. Some 10,000 of the latter in 4-inch pots are now ready for the market.

The only thing that we can justly accuse Mr. Davis of is not being a member of the Tri-City Florist Club. But we have his promise to soon become one of us, and no doubt before this reaches the reader Mr. Davis will have handed in his application.

T. E.

NORTHUMBERLAND, PA.—The greenhouse of W. H. Mertz was destroyed by fire February 22, entailing a loss estimated at \$5,000.

Dr. William Trelease.

Dr. William Trelease, whose resignation as director of the Missouri Botanical Garden, St. Louis, Mo., better known as Shaw Garden, was announced in THE AMERICAN FLORIST, issue of March 2, is one of the best known botanists of this country and his fame is by no means confined to America. He has now reached the age of 55 years and the reason for resigning the position which he has so honorably and creditably filled is the desire to pursue scientific research work without interruption from administration duties, and the resignation was accepted by the board of trustees with regret. He expects for the present to continue his residence at St. Louis where the garden that he has been so instrumental in building, offers facilities for his special studies that are not equalled elsewhere.

Dr. Trelease received his college training at Cornell university where he received the degree of bachelor of sciences in 1880. He then took a graduate course at Harvard university under Farlow, Hagen and Mark and received the degree of doctor of science in 1884. He was then professor of botany at the University of Wisconsin, leaving there in 1885 to accept the position of director of the Missouri Botanical Garden, founded by the late Henry Shaw, and he was selected by Mr. Shaw, on the recommendation of Prof. Asa Gray, the famous botanist. Under his administration the Shaw Garden has acquired a foremost position in its class in the wealth of material for exhaustive research. It has 12,000 species of living plants, 700,000 herbarium specimens collected from the flora of the world, and a library of 70,000 volumes, and has a world-wide reputation. Two grand prizes—one for beauty and the other for efficiency—were received by the garden from the Louisiana Purchase Exposition in 1904. Under Dr. Trelease's directorship it has been considerably enlarged and the plants greatly increased in variety and educational arrangement, and plans have been approved for making it the most beautiful garden in America and for building one of the greatest conservatories in the world, which is to be erected this summer.

As an editorial writer he has gained renown. Jointly with Prof. Asa Gray, he edited a sumptuous collection of the botanical writings of his predecessor in St. Louis, George Englemann. He has written the treatises of botany in the twenty-two annual reports of Shaw



GREENHOUSES OF J. W. DAVIS CO., BETTENDORF, IOWA.



CUCUMBERS AT J. W. DAVIS CO'S., BETTENDORF, IOWA.

to their publication, has been a frequent contributor to American and foreign journals and for the last ten or twelve years has been editor in chief for this country of the International Reviewing Journal, *Botanisches Centralblatt*.

Dr. Trelease has received the honorary degree of doctor of laws from the University of Wisconsin, University of Missouri and Washington university. He is a member of the National Academy of Science, an honor rarely bestowed, and his scholarship has been recognized by honorary membership in nearly all the botanical organizations of the world. He was first president of the Botanical Society of America, has presided over the American Society of Naturalists, the botanical section of the American Association for the Advancement of Science, Cambridge Entomological Club and International Association de Geographic Botanique, and he is councillor of the American Philosophical Society.

In the organizations and civic affairs of St. Louis Dr. Trelease has taken a great interest, being honorary president of the Englemann Botanical Club and has served with marked distinction and efficiency as president and secretary of the Academy of Science. He was chairman of a committee of the Civic League that prepared a comprehensive plan for the development of the city, was appointed for a term of three years on the Municipal City Plan Commission and has served since 1889 as a member of the Special Board of Commissioners of Tower Grove Park. Socially he is well known and for more than 10 years has been secretary of the Round Table Club, and one of the organizers of the City Club.

He has always taken a deep interest in floriculture and in the florists of the country, having been a great help



The Late Henry Shaw.

Founder of Shaw Garden, St. Louis, Mo.

to the Florists' Club of St. Louis, and became a member of the Society of American Florists early in its existence, and was vice-president of that society in 1893.

SUFFIELD, CONN.—The large windmill at the greenhouses of T. C. Austin & Sons was blown over, February 23, and wrecked.

NORTH BROOKFIELD, MASS.—Articles of incorporation have been filed by the Pine-Croft Greenhouses with a capital stock of \$30,000. Howard S. Hill, Walter W. Clark and Harold E. Webb are the incorporators.

State Societies of Florists.

The following has been received from Secretary Young of the Society of American Florists at the request of President Vincent, and is an address made by Mr. Vincent at the convention of the S. A. F. held at Providence, R. I., in 1897, upon the question "Would organizing state societies of florists be of any benefit to the florists or the Society of American Florists?"

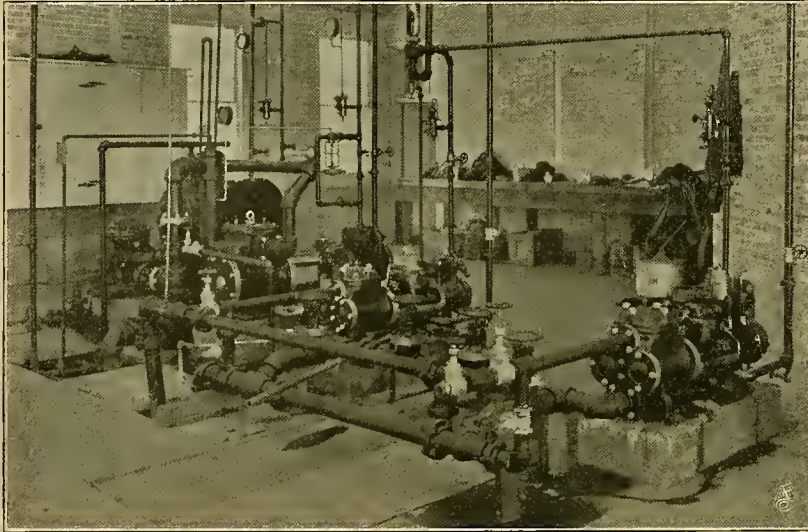
Having been a worker for many years in an organization of the tillers of the soil, an organization that places its faith in the Giver of all things, and co-operation of all engaged in the cultivation of whatever can be grown in the soil, a worker and not a leader or lecturer, I feel out of place to stand before so critical an audience as I see facing me. But having only been asked for suggestions I simply give you my ideas on the subject; and if there is anything in them worthy of your attention you will, I hope, adopt them, or anything that will help the success of our association.

Yes; just as soon doubt the advisability of combination amongst other trades and pursuits. No vocation, no profession, but is promoted by the co-operation of those engaged in it. To say otherwise, to believe otherwise, would be to have the hands on the dial of progress moved backwards. Associations of those engaged in the same pursuits, with common interests and with mutual aims, is the watchword of the day, whether it is the laborer in the mine, the shop or the factory, the farmer in the field, physician, lawyer or whatever calling men may engage, the first step towards independence, advancement, self protection and defense is the union of segregated individuals into a compact and mobile force, whose vital influence

and efficient power may be wielded as an energetic unit, for the good of all.

Should the florist be an exception? Hath not a florist eyes? Hath not a florist hands, organs, dimensions, senses, affection, passions, fed with the same food, hurt with the same weapons, subject to the same diseases, healed by the same means, warmed and cooled by the same summer sun and winter cooling breezes as any

zations honored and applauded for good work throughout the land. Remember the fable of the bundle of arrows, each easily broken of itself, but once bound together beyond any force to disrupt. Let us recognize and remember that with gardeners and florists, as with every other profession and pursuit, however lowly or however exalted, "In union there is strength."



PUMPS AT THE J. W. DAVIS CO'S., BETTENDORF, IA.
Vacuum pump at the left. Pumps for water at right.

other tradesman is? If you prick us, do we not bleed? If you tickle us do we not laugh? If you poison us do we not die? And if you wrong us shall we not have revenge?

The effect upon the national society of a complete group of state societies, selecting the most advanced, intelligent and energetic members to send each year to its annual sessions, would be

(1) To give it a representative character, and standing equal in dignity and power to associations of other businesses, and an efficiency not now possessed.

(2) To enroll under its standard those who are at present inert, lukewarm, or positively unfriendly.

The influence upon the individual florist might be counted:

(1) To stimulate to larger, broader views; take him out of the local and provincial field, and widen his vision; to consider his vocation in its national, even world wide scope, and promote the interchange of valuable, experiences and inspire an esprit de corps in his class.

(2) To bring him personal gains by the advances necessarily secured where a thousand rivulets, bringing information, mutual aid, timely suggestions and friendly co-operation, will give value and momentum to the resultant stream.

Let us have a state society in every state, and a tributary local club in every town and neighborhood where numbers will allow—and all links in a sentient chain, each one necessary to the completeness and strength, to the efficiency and forces of the National body, which thoroughly representative in composition and character, material and aims, will give us a place eminent among other organi-

Wallflowers for Winter Blooming.

ED. AMERICAN FLORIST:—

Will you kindly tell me the name of the best wallflower for winter flowering? When should the seed be sown?
SUBSCRIBER.

New Jersey.

If "Subscriber" wishes to make a specialty of these plants in winter, he would do well to send to Sutton & Sons, Reading, England. They list over 20 kinds of single varieties, and these are the best to grow under glass in winter. Perhaps the two best are Fire King and Yellow Phoenix. The seed should be sown in July and treated later as are stocks, for winter work—that is, keeping cool and sturdy in frames outside, and planted inside to follow a crop of early chrysanthemums. This can easily be done by protecting the young plants with sash in bad weather, transplant into flats from the seed box, later potting them up when strong enough, as wallflowers are like stocks in that they are very impatient of root-disturbance, but when benched from pots, go right on and flower in early spring, their delightful fragrance making them ever welcome at that season.
E. O. ORPET.

Piping New Houses.

ED. AMERICAN FLORIST:—

I am intending to erect three greenhouses, 31x100 feet, six feet high to gutters, 13 feet to ridge, all connected and running east and west. The boiler house will be on the northwest corner, and I would like to run the main flow and return on the west end. The thermometer falls as low as 25° below. How large a boiler would you advise installing? We do not want to have to force the boiler and we may add to the plant. How many runs of 2-inch pipe would be required to keep the houses warm enough? How should they be arranged? How large a main flow and return will be required? B.

Wisconsin.

The question does not state the class of plants to be grown in each of the houses, nor the temperature desired, but for 60 degrees, under the

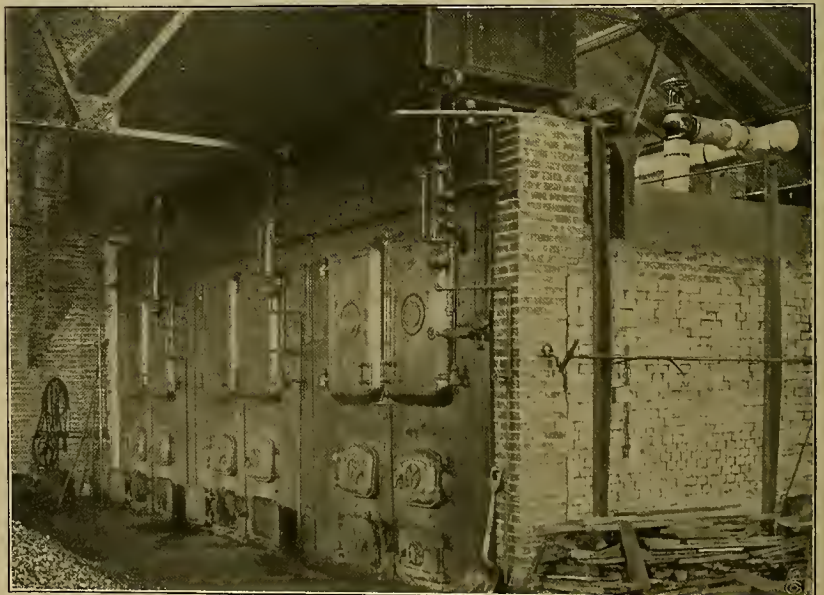
Growing Calla Bulble's.

ED. AMERICAN FLORIST:—

Will you kindly inform me whether calla bulblets should be kept growing to obtain blooming bulbs next winter or should they be rested?

SUBSCRIBER.

The calla bulblets should be kept growing through the summer and ripened off for a short time in the fall just before potting for winter culture.
W.



BOILER ROOM AT J. W. DAVIS CO'S., BETTENDORF, IA.

conditions named, use in each of the houses five 2½-inch flow pipes and eighteen 2-inch returns. For 50 degrees use five 2½-inch flow pipes and fourteen 2-inch returns. In case there is any exposed glass in the walls, use an additional return for each two feet in height of the glass.

Place one flow pipe under each ridge, another upon each plate, and the others on the purlins. About three returns should be on each side wall of the houses and the others under the benches.

The boiler should be rated for 6,000 feet of hot water radiation.

Use a 4-inch pipe to supply the north house and a 5-inch pipe for the other two houses. The returns should be of the same size as the flow pipes.

L. R. T.

After Abolishing Replacing, What?

Paper read by J. R. Mayhew of Waxahachie, Texas, before the Western Association of Nurserymen at Kansas City, Mo., December 14, 1911.

When I tell you that for two seasons no wide-awake, thoroughly up-to-date nurseryman in my part of the country has practiced replace at less than full value, it will explain the liberty I have taken in changing somewhat the subject assigned me, but for fear some of my friends may think my ardor for this reform has cooled, I will answer the question, "Should we not abolish the replacement of nursery stock on all retail orders and under all conditions?" Yes, as emphatically and unequivocally as I did two years ago. I want again to say that we of Texas Association have, first by resolution and last by living up to the resolution, accomplished the impossible, as some of my friends termed it. It was an easy task after all, easy after conviction came upon us, and now I'll treat if you can find a self-respecting nurseryman in my state who is not heartily ashamed of this shyster method of the past. Somehow or other I am so ashamed of it for myself and for such men as I could name (but will not, for maybe it did not come out on them as it did me), that I intend to quit talking about it. It is a character of advertisement that will do us little good for the practice proved us poor business men indeed. One of my banker friends got hold of one of our trade journals that happened to have one of my articles on this question, and in wonderment he asked the question, "Have you nurserymen been in the habit of guaranteeing stock to live?" I have wondered ever since if my credit is as good at that bank as it was before this question was asked and answered.

My friends, this nonsensical policy is unquestionably the parent of many of our ills and the sooner we wash our hands of such criminally foolish methods the sooner we may expect the business world to respect us. As I have said on several occasions heretofore, the dollars and cents that we put into the deal was great, was a severe loss from this point of view, but greater still was the loss in that that goes to make all business great—confidence. It was destroying our confidence in the commodity we were producing, destroying the customer's confidence in the commodity purchased. It was a shyster idea conceived in the iniquitous brain of a shyster salesman, perhaps, and you and I permit-

ted this policy to creep into our business because we thought we would go bankrupt if the salesman's wishes in the matter were crossed. Let me tell you right here, and I have amended my subject that I may pay my respects to him further on, if we don't get rid of this shyster element in get rid of this shyster element in salesmanship, if we don't get rid of this vicious salesman who is largely responsible for our unhealthy reputation with the retail buyer, we will never succeed. I am not one who would disparage all salesmen, a few of them are worthy and conduct themselves and their business along high business lines, but is it not true that the element I condemn loses you each year the money, and oftentimes more, the best ones make you? When we cast up accounts at the end of the season, I am inclined to believe this is pretty near true. What I plead for is that we may "acquit ourselves like men," and when the salesman tempts us with sophistry that we may quote him words of eternal truth.

But, back to the original question, for a member of your programme committee indicated to me that I was expected to confine my remarks largely to the subject appearing on the programme. It was my pleasure to prepare the resolution condemning this policy, which was adopted by the Texas Nurserymen's Association in 1909, also to introduce a similar resolution before the American Association of Nurserymen at Denver in June, 1909. Those of you who were present remember that this resolution was adopted unanimously, so it seems to me that we are making progress. I have received letters from nurserymen from every part of the United States thanking me for what I have written on the subject and assuring me of their co-operation. If, in my feeble way, I have contributed anything whatever that has tended to lift our business to a higher plane, I am more than repaid. I do not know how long it will take to outlive the evil results of this policy, for unstable policies in business, like sin in the human life, leave a scar, but I do know that the longer continued the deeper the scar and the harder to heal. I am glad that we in the great state of Texas have two years to our credit in this matter, and while I am not advised to speak for the large list of nurserymen of Texas, I can speak for one firm and for that firm I will say, "for me and my house we will serve the Lord." If I was confident my brethren in the trade held to a different view, it would make little difference, for rather than be confronted daily with requisition for replace on stock that I knew was the result of carelessness, unfavorable weather conditions, or a thousand and one conditions over which I had no control, I would elect to support my family in some other vocation.

There is not a man present but that feels the absolute necessity of certain and perhaps radical changes if we are to succeed in the truest sense, but that feels, to say the least, indisposed, and the need of a business tonic. I have received letters during the past month from friends over the country whose minds, like my own, are intent on some needed reforms, and I believe these reforms are coming quick. We must abolish the practice of replace, and I hope someone

will introduce at this meeting a resolution to that effect, to which I promise not to speak, but, my friends, there are some other things we must do. We must eliminate the shyster salesman if he takes with him the good ones also. We must spy out and mark the "dead beat" who buys trees wholesale with no intention of paying for them, and in this matter our association is doing a fine work. We must keep pace with the Twentieth Century methods all along the line. But what will this profit us if we continue to sell our product at less than the cost of production?

We must raise prices. On no other commodity under the sun are the margin of profits so dangerously small, and it is also true that on no other commodity produced are the risks so great. The past few years of drouth over the southwest have fully convinced me of that fact. We are at the mercy of the elements even before stock is planted, and each day thereafter is one of anxious care. If the cost of production on a suit of clothes that you buy on the market today for \$50.00 was as great as the cost of production on \$50.00 worth of nursery stock, and your only chance of obtaining raiment was from the proceeds of your business, the nurseryman's garb the year around would resemble that of the pickaninny of the south in August.

I again say we must revise our prices, and the revision must have something of the republican tariff revision ring about it. I know what obstacles are here in the many farmer-nurserymen over the country, in that same shyster salesman spoken of a few moments since who buys as a dealer from said farmer-nurseryman, and who, by giving customer receipted stock for his board bill, which is never delivered, is able to sell cheap trees, and they are cheap; who continues to guarantee all trees to live for five years, etc., but whatever the obstacles they must be overcome. Prices of nursery stock must advance.

One other thing I want to mention and I close. We must take the business management out of salesman's hands. What do I mean? Simply this. We are being dictated to by the salesman who is often a dealer, and who buys stock at less than wholesale prices. You lend him your good name to do business with, borrow the money from your bank to finance his business, allow him to name practically the terms of contract, even to the prices of your stock, for what? The infinite pleasure of being his humble and obedient servant during the life of contract, and less than a gambler's chance for the money he owes you for stock and advances. "He who steals my purse steals trash, but he who filches from me my good name robs me of that which enriches him not but leaves me poor indeed." Our poverty in money is not serious, but our poverty in good name among the very people we are trying to serve is serious. Our good name has been and is being embezzled by this same worthy salesman who cares not a penny whether you succeed or fail. If he fails to rewrite a contract with me for another year he knows you will take him, and he goes back over the territory and explains the changed relations to the people who patronized him

because he was operating under my name, in a way calculated to destroy the customer's confidence in me. I wish every nurseryman in the land would take a solemn oath to wage a united war of extermination on this character of salesmanship.

But I must close. Already I have presumed on your goodness and have taken more of your time than I should. My remarks have something of the ring of a pessimist, but in the matters discussed, as well as all other matters, I am an optimist. I believe with all my heart that your work and mine is blessing humanity, that the world is better and more beautiful because of your efforts in the world, but I also believe we should not stop short of our best. If a thing is not right it is wrong, and if wrong it is your business and mine to right it. I believe, furthermore, that the nursery

business over the entire country, and over the great west and southwest particularly, is destined to grow by leaps and bounds. Today, as never before in the history of our country, it seems to me that opportunity knocks at our door.

I have talked plainly to you of certain conditions that should not exist in our special line of business if we are to make use of this opportunity, have endeavored to point out some weak places in our methods, not because I derive any pleasure in fault-finding, but because it is only after we recognize a weakness that there is hope for strength. These breaches in the walls of our business have become a reproach. "Then said I unto them, ye see the distress that we are in * * *, come let us build up the wall of Jerusalem that we be no more a reproach."

ILLINOIS STATE FLORISTS' ASSOCIATION

The Joliet Meeting.

The seventh annual convention of the Illinois State Florists' Association was held at Joliet March 5-6. There was quite a large exhibition of excellent stock at the Sweetorr building, which proved quite inadequate for its proper display, especially noteworthy exhibits being made by Poehlmann Bros. Co., Chicago; Chicago Carnation Co., Joliet; Bassett & Washburn, Chicago; Vaughan's Seed Store, Chicago; Frank B. Smith's Sons, Danville; J. D. Thompson Carnation Co., Joliet; E. G. Hill Co., Richmond, Ind., and A. C. Rott, Joliet. The details of these and other exhibits will be found in the report of the judges elsewhere in this issue. The novelties which attracted most attention were the Mount Greenwood Cemetery Association's white seedling carnation No. 140, an excellent flower with an unusually strong clove fragrance; the Chicago Carnation Co.'s carnations Washington and Herald, the E. G. Hill Co.'s display of Rose Sunburst and Gloriosa and Wodenethe carnations, Primula Malacoides from Vaughan's Seed Store and the A. T. Hey Floral Co.'s Shasta daisy Heyii, said to be unusually prolific. The Geo. M. Garland Co.'s exhibit of greenhouse construction models attracted much attention and E. H. Hunt made an extensive exhibit of supplies.

The annual meeting was held at the Monroe hotel March 5, and the fairly representative assemblage was called to order by President Washburn soon after the appointed hour. After a few introductory remarks by W. N. Rudd, the visitors were welcomed by Assistant City Attorney Wm. Mooney, on behalf of Mayor Allen, who was unable to attend on account of official duties, George Asmus responding. The president's address and reports of the secretary and treasurer having been presented, E. G. Hill was called upon and spoke at length upon the production of new carnations and roses.

Mr. Hill described the painstaking and costly methods of European rosarians to secure meritorious novelties and intimated that there were greater possibilities of gold bricks among new carnations than in the rose growers' field.

August Poehlmann followed, inviting those interested in new carnations and roses to visit his firm's establishment at Morton Grove, where many of the novelties are under trial. In the course of his remarks, Mr. Poehlmann suggested that even the originators of roses were hardly guiltless in the matter of gold bricks.

J. C. Vaughan and W. N. Rudd urged the adoption of President Washburn's recommendation that the association take space for a booth at the coming convention of the Society of American Florists, to be held in Chicago August 20-23, co-operating with that society in its work so far as possible and taking advantage of a great opportunity to extend its sphere of usefulness by acquiring new members and in such other directions as may be considered expedient.

A resolution covering the appointment of a Society of American Florists' convention booth committee was adopted and President Washburn announced that he would leave the apportionment of this committee to the presiding officer for the ensuing year.

A letter was read from T. A. Culp advising the association of the illness of Geo. A. Kuhl, of Pekin, one of its most interesting members, who greatly regretted his inability to attend.

Albert T. Hey, I. L. Pillsbury and Carl Rauth were appointed a committee on exhibits and Michael Barker and W. L. Palinsky a committee on the president's address.

This concluding the business of the session, adjournment followed.

The Evening Meeting.

On reassembling for the evening session Vice-President Loveridge in the chair, reports of various committees were read and adopted. Prof. H. B. Dorner presented an exhaustive report on the work in floriculture at the experiment station and was followed by Prof. H. W. Anderson, pathologist of the station, with an interesting account of his investigations of carnation stem rot. Prof. Dorner's paper was followed by a lengthy discussion, mainly on the use of fertilizers and the comparative merits of grafted and own root roses. We hope to publish both of these papers later.

W. L. Palinsky here made inquiry as to the effect of coal gas, frost and drought on greenhouse plants, provoking a lively interchange of views and bringing out considerable information, especially as to the extent of coal gas injury in greenhouses, which appears to have been quite extensive during the hard freezing weather of the past few months.

The meeting came to a close with the election of officers, which resulted as follows:

Chas. Loveridge, Peoria, Pres.
C. W. Johnson, Morgan Park, V. P.
J. F. Ammann, Edwardsville, Sec.
F. L. Washburn, Bloomington, Treas.

The second day was devoted to sight seeing in and about the city, visiting the penitentiary and the establishments of the J. D. Thompson Carnation Co., the Chicago Carnation Co. and other florists, with a lunch at the last named place.

The next meeting place will be selected as usual by the executive committee, Champaign being favored by many of those in attendance.

President Washburn's Address.

The year of this association just closing has been an eventful one in several ways. We have passed through the hardest winter the florist trade has ever experienced in this state since our association has been in existence. The severe cold has cost all of us from forty to fifty per cent more for coal, while we have not received any increased price for our output. There have been numerous accidents resulting from this long, cold spell, such as boilers giving out, boiler houses burning down and stock being frozen; but we all live in hope that the season will soon change for the better.

One of the events to which our association has contributed quite largely has been the reduction in express rates in this state of twenty per cent, which has saved all of us quite a tidy sum. This reduction was brought about by the combined energy of several commercial associations in filing numerous protests with the State Railway and Warehouse Commission. The officers of your association were especially active in this work and take much pride in the results accomplished. There are several other matters, which probably will have to be attended to in the same way, one of which is the rumored advance in coal rates, which, we understand, the railroads will try to make effective this spring. This association will have to do its part in looking after the interests of the floral trade if such a step is taken.

An important problem which is now confronting us is the matter of obtaining good fertilizer. It is almost impossible to obtain a good natural cattle manure and we are liable soon to have to resort to the use of chemical fertilizers. I would suggest this matter be taken up by a committee and let them confer with our state testing association so that proper information in the shape of bulletins might be issued by the station, showing what chemicals are best adapted for fertilizer use; the quantities to be used and their method of application. Also, can chemicals be successfully used in combination with animal manures?

The testing station has done very valuable work with carnations and we are looking forward to their report on roses with a great deal of interest.

Our association is now seven years old and has proved itself a very healthy child. What we need is an increased membership, as the association would be much more influential if backed by a larger membership. Our dues are nominal—only \$1.00 a year—while the field of its usefulness is so large that every florist in the state should become a member. Let us all appoint ourselves a committee to impress on our brother florists who are non-members that it is their duty to join with us and assume their share of the responsibility and work of this association.

The exhibition of flowers and plants at our meeting places gives good results to both the exhibitor and the members by acquainting both parties and showing what stock is grown. It also arouses the interest of the general public and has a wide spreading and beneficial effect. This feature of our meetings should be encouraged. The exhibition of new varieties occurring at this time is just the time of year for the trade to judge of their value and it would be a good idea if the introducers of these varieties could address us on their cultural requirements and the number of flowers that can be produced per plant under average condition.

Illinois is to be favored this year by the Society of American Florists holding their meeting in Chicago, and I would suggest that if our association could secure a booth for headquarters in the exhibition hall, where our members could make it a social meeting place, it would add to their comfort and also be a good advertisement for this association. Let us all do our share in helping make the S. A. F. meeting a grand success. The relations between the various officers of the association have been most pleasant and helpful and I wish to thank you cordially for the honor conferred upon me in serving as your president the past two years.

Secretary Ammann's Report.

I take great pleasure as your secretary in reporting a very successful year of our organization. The interest and the display of floral work shown at the State Fair held in Springfield last fall, which was directly due to the work carried out by this organization, was indeed a credit to us.

Another feature of the work of this association is shown by the liberal appropriation made for floriculture in the last general assembly. This is work, gentlemen, that this organization can be proud of. Full reports of this work will be given by others later on.

FINANCES.

The finances of our association are not large, yet I am pleased to report a balance to date of \$234.01.

MEMBERSHIP.

We have increased our membership in the past year as follows: Annual members, from 153 to 175. Life members, from 18 to 32. Honorary members, 4, giving us at this writing a total membership of 211. So far as your secretary knows there have been no deaths in our ranks during the past year. I shall not dwell on the ever important question of new membership any more than to say the importance of this I am sure we all realize and the

way to get the new members we all know, so just hustle.

Treasurer Washburn's Report.

Treasurer Washburn offered the following report:

RECEIPTS.

Feb. 11, 1911, balance on hand.....	\$118.28
Received from secretary.....	151.00
Received from banquet.....	2.10
	\$271.38

EXPENDITURES.

Paid out as per vouchers.....	\$ 37.37
Balance on hand.....	234.01
	\$271.38

Report of the Judges.

We, your committee, appointed to judge, make the following report:

Joseph Labo, Joliet.—Three vases roses, four vases carnations, three vases of white violets, one vase of White Perfection, very fine.

J. D. Thompson Carnation Co., Joliet.—Six vases carnations, one vase of Gloriosa, highly commended.

Mt. Greenwood Cemetery Assoc., Morgan Park.—One vase of white seedling carnation, No. 140; a good, promising variety.

W. H. Gullett & Sons, Lincoln.—Two vases good carnations.

Baur & Steinkamp, Indianapolis, Ind.—One vase St. Nicholas carnation, red, highly commended.

E. G. Hill Co., Richmond, Ind.—Two vases carnations, one Gloriosa, one Wodenethe, very fine. One vase new rose Sunburst, a fine rose, highly commended.

A. C. Brown, Springfield.—Ten vases carnations, C. W. Ward and White Wonder, two very fine vases and well done.

Poehlmann Bros. Co., Morton Grove.—Five vases roses, very fine, Antoine Rivoire, Mrs. Aaron Ward, Melody, Dark Pink and White Killarney, all recommended, especially Melody, a very fine yellow.

Chas. Loveridge, Peoria.—Five large vases of excellent carnations, especially White Enchantress. One vase violets Princess of Wales.

Chicago Carnation Co., Joliet.—Ten good vases of carnations, Princess Charming, White Perfection, Scarlet Glow and Washington, especially fine; also four vases of seedling Nos. 78, 150, 94 and Herald. Herald and No. 150 highly commended.

Bassett & Washburn, Hinsdale.—Three vases good carnations, one red and white seedling highly commended; also three vases roses, extra fine. Double White Killarney showed up in excellent shape and highly commended; also samples of fine grafted stock or roses and a fine display of Asparagus Hatcheri.

A. Washburn & Sons, Bloomington.—Three vases of very fine single violets, extra long stems and large flowers, variety Princess of Wales.

Frank B. Smith's Sons, Danville.—Miscellaneous exhibit of well grown cinerarias, cyclamens, pansies and Gov. Herrick violets; also three vases of violets, including one vase of a sport from Gov. Herrick lighter in color. Two vases seedling No. 108 and Crimson 6; also a large vase of mixed seedling carnations.

Geo. A. Kuhl, Pekin.—Miscellaneous exhibit of hydrangeas, spirea, Boston fern and lilies. Hydrangeas especially fine.

Vaughan's Seed Store, Chicago.—Miscellaneous exhibit of ferns, crotons, palms and pot roses. Special mention to well grown pot roses, Phyllis and Tausendschon, and Primula Malacoides.

A. T. Hey Floral Co., Maywood.—Exhibit of new white primula and a new improved Shasta daisy, Heyii.

Carter Floral Co., Joliet.—Miscellaneous exhibit of pot plants, cut flowers and a beautiful floral design, a broken column.

A. C. Rott, Joliet.—Miscellaneous exhibit of cut flowers and a beautiful wreath of ivy and white roses.

E. H. Hunt, Chicago.—Fine display of florists' requisites including a complete sample line of fertilizers and insecticides; also a new cut flower sprinkler, by name German sprinkler.

G. E. Travis Co., Henry.—Exhibit of rocking grates.

Geo. M. Garland Co., Des Plaines.—Model of truss work, bench, gutter, etc.

J. F. Ammann Co., Edwardsville.—One vase mixed carnations and two vases mixed roses.

Aug. Jurgens, Chicago.—Three vases narcissus in variety.

I. L. Pillsbury, Galesburg.—Sample of carnation staples.

Signed by the committee.

A. T. HEX,
I. L. PILLSBURY,
CARL RAUTH.

Visitors.

Among the visitors the following were noted:

J. F. Ammann, Edwardsville.
Prof. H. W. Anderson, Urbana.
George Asmus, Chicago.
Michael Barker, Chicago.
J. H. Blixen, Edwardsville.
Ernst Bockman, Hinsdale.
A. C. Brown, Springfield.
Carl Cropp, Chicago.
James Curran, Chicago.
Fred Dietsch, Chicago.
Prof. H. B. Dornier, Urbana.
W. F. Duntermann, Bensenville.
John A. Evans, Richmond, Ind.
Michael Fink, Chicago.
Joseph Foerster, Chicago.
P. J. Foley, Chicago.
H. S. Garland, Des Plaines.
W. J. Hermbrecker, Lincoln.
A. T. Hey, Maywood.
E. G. Hill, Richmond, Ind.
H. B. Howard, Chicago.
C. W. Johnson, Morgan Park.
E. Johnson, Chicago.
J. E. Jones, Richmond, Ind.
Ed Kanst, Chicago.
W. J. Keimel, Elmhurst.
A. F. Longren, Chicago.
Chas. Loveridge, Peoria.
C. F. McCormick, Chicago.
W. L. Palinsky, Chicago.
Chris. Peterson, Hinsdale.
I. L. Pillsbury, Galesburg.
Adolph Poehlmann, Morton Grove.
August Poehlmann, Morton Grove.
Carl Rauth, Springfield.
Chas. J. Reardon, Hinsdale.
W. N. Rudd, Morgan Park.
R. E. Schiller, Chicago.
Joseph M. Smely, Aurora, Ill.
H. E. Smith and wife, Danville.
G. Swenson, Elmhurst.
J. C. Vaughan, Chicago.
C. L. Washburn, Chicago.
F. L. Washburn, Bloomington.
R. S. Woodyard, Chicago.

STRAWBERRY POINT, IA.—The stock at Fred Ullman's greenhouses is very fine, the carnations especially being in splendid condition. Mr. Ullman contemplates a visit to Chicago during the S. A. F. convention.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St. CHICAGO

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MARCH made its entry like a lion, and if there is any truth in the old saying, we may look for an early spring and fine weather for Easter.

GLASS, owing to the recent advance of the glassmakers, is 10 to 20 per cent higher than the price which has prevailed during the past two months. L. E. Partridge of the Sharp, Partridge Co., Chicago, says this is a good time to buy as the price will go higher as spring advances.

GRAFTED ROSES MOST PRODUCTIVE.—At the recent Joliet convention of the Illinois State Florists' Association, E. G. Hill stated that he had the information from a most reliable and competent rose grower that grafted indoor rose plants would produce an average of 61 blooms to 32 on own root plants per annum.

THE threatened coal strike April 1 appears certain according to the press. Greenhouse proprietors who passed through the strike of 1902 will never forget the difficulties and anxieties or the extra expense. The grower who housed his supply early was the envy of all.

Society of American Florists.

The meeting of the board of directors will be held in the Auditorium Hotel, Chicago, Wednesday, March 13, at 10 a. m.

The following letter has been received by the secretary from the management of the Royal International Horticultural Exhibition in London:

Dear Sir:

I beg to thank you for your letter addressed to Mr. Geo. J. Ingram, and have been instructed to write and thank the Society of American Florists for their kind offer of three silver and three bronze medals to the exhibition to be awarded at the International Exposition in London for plants and flowers of American origin.

Our directors very much appreciate the kind gift, and have requested me to ask that the said medals be forwarded as soon as possible in order that they may be exhibited with cups and other trophies prior to the exhibition, and if possible, should they arrive in time, figure in the coming souvenir catalogue.

Yours faithfully,

T. GEORGEY W. HENSLOW, M. A.,
Organizing Secretary.

DEPARTMENT OF PLANT REGISTRATION.

Public notice is hereby given that The E. G. Hill Co., Richmond, Ind., offer for registration the following carnation. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

Commodore-Victory X red seedling, good compact habit; blue-green foliage of medium size; stiff stem; perfect calyx; velvety crimson scarlet; dazzling. Flower full; of good average size. Very strong constitution; one of the most productive.

JOHN YOUNG, Secy.

February 22, 1912.

Royal International Exhibition, London.

Great interest is being manifested in the exhibition by continental horticulturists. A proof of this is afforded by the fact that the Secretary of the Societe Nationale d'Horticulture de France (M. Abel Chatenay) paid a visit to London on January 30, and interviewed the directors on the subject of arrangements for the French exhibits. Invitations to attend the exhibition have been distributed over the whole world, and official representatives of all foreign countries and of every colony have been invited to the various functions and conferences.

Since the issue of the last published list of presentation cups and other special prizes, the directors have been informed, through James Witton, one of the secretaries for Scotland, that the City of Glasgow will offer a silver cup for the best exhibit of hardy trees and shrubs suitable for planting in congested areas. The question of the suitability of various trees for culti-

vation in densely populated towns possesses great interest for every park superintendent, and for all who are engaged in public gardening.

Arrangements for the social functions in connection with the exhibition are nearing completion, and the reception committee, through the chairman, Sir Albert K. Rollit, has presented its report to the directors.

The Right Hon. W. Runciman, a member of His Majesty's government, will attend and speak at the lunch to be given in the exhibition grounds on the opening day to the members of the jury and administration.

C. HARMAN PAYNE,
Foreign press secretary.

Gladolus Bulbs Starting.

ED. AMERICAN FLORIST:—

Our gladolus bulbs after being dug last fall were placed under a bench in the greenhouse. Many of them have started, some of them having sprouts from six to eight inches long. Will you kindly advise us what to do with them?

B. Z.

The bulbs have evidently been kept in too damp a location, which has caused them to start. They should be sorted at once and all showing signs of growth should be planted in a bench or in boxes and grown for early flowering. It is possible that some that have not started might be saved for later planting, but they should be removed to a drier location and carefully watched, for if the growing eyes have swollen and are then dried this would probably result in total loss.

W

Third National Flower Show.

SPECIAL MEDAL AWARDS.

The Horticultural Society of Chicago offers its gold, silver and bronze medals to the National Flower Show committee for award as the committee may deem fit.

The Horticultural Society of New York also offers its gold, silver and bronze medals, to be awarded by the society's own judges for especially worthy exhibits.

Meetings Next Week.

Baltimore, Md., March 11 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Chicago, March 13.—Gardeners' and Florists' Union No. 10615, 230 North Clark street.

Cincinnati, O., March 11, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., March 11, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Lake Geneva, Wis., March 16, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Madison, N. J., March 13, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

New Orleans, La., March 10, 2 p. m.—Gardeners' Mutual Protective Association, 114 Exchange alley.

New York, March 11, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, March 13, 4:30 p. m.—Horticultural Society of New York, American Museum of Natural History.

Norwich, Conn., March 11.—New London County Horticultural Society, Buckingham Memorial.

Omaha, Neb., March 14, 8 p. m.—Omaha Florists' Club, City hall.

Pasadena, Calif., March 15, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Rochester, N. Y., March 11, 8 p. m.—Rochester Florists' Association, 97 Main street east.

Scranton, Pa., March 15, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Springfield, O., March 11.—Springfield Florists' Club, office of the Good & Reese Co.

St. Louis, Mo., March 14, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., March 13.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By gardener, Scotchman, 35; private place preferred, greenhouse, grounds, vegetable and flower gardens; can grow and propagate any kind of perennial flowers; state wages. Address
Key 571, care American Florist.

Situation Wanted—Experienced in carnations; chrysanthemums and general greenhouse work; I will accept reasonable wages; good references; total abstainer. Address
Key 571, care American Florist.

Situation Wanted—By gardener, married; on private place; 18 years experience with roses, carnations and pot plants. Fruit inside and outside. Vegetables, lawns etc.; best of references.
Key 581, care American Florist.

Situation Wanted—By first class greenhouse man, thoroughly experienced in grafting, propagating, and a good grower, capable of taking charge. American, married, sober, reliable and hard worker. Good references. Eastern states preferred. Address
Key 582, care American Florist.

Situation Wanted—As gardener; 18 years' experience growing roses, carnations, mums, pot and bedding plants; greenhouse or outside work; age 30 years; single; good hand for all work or private place; steady position. Address
JOSEPH F. CHONTAS,
34 Columbus Ave., Fort Chester, N. Y.

Help Wanted—A young lady florist to help in store and office; give reference. Address
Key 569, care American Florist.

Help Wanted—An experienced and successful grower of vegetable plants. Give full information in first letter.
W. H. BARRITT,
Adrian, Mich.

Help Wanted—An experienced palm grower for commercial place near Chicago. Must know how to grow good decorative stock.
Address, Key 561, American Florist.

Help Wanted—Manager landscape department with energy, education, knowledge of plants, plan making and selling experience.
A. W. SMITH CO.,
Keenan Bldg., Pittsburgh, Pa.

Help Wanted—A good all-round man, one who thoroughly understands growing and watering; position in an eastern city; married man preferred; references. Address
Key 570 care American Florist.

Help Wanted—A good blacksmith with a couple of hundred dollars can make a fine connection with a large greenhouse plant in Illinois; gilt-edge proposition; act quick. Address
Key 666, care American Florist.

Help Wanted—Young man for office and sales work in a greenhouse where considerable shipping is done. Some knowledge of Stenography and typewriting necessary. Situation open April 1st.
JOSEPH BANCROFT & SON,
Cedar Falls, Iowa.

Help Wanted—Man as foreman of a new modern greenhouse and heating arrangement, growing rose blooms for commercial purposes. Must be strictly temperate, thoroughly familiar with the heating system and live on place. State whether married or single, wages expected, references, and previous places of employment. Send all answers to
Post Office Box 126, Philadelphia, Pa.

Help Wanted—At once, a sober, energetic, working foreman capable of handling help to advantage. Must be a producer of first class stock on a place of 40,000 feet of glass, where general stock such as Carnations, Chrysanthemums, Bedding Plants, Bulbous stock, Palms, Ferns etc., are grown to supply our retail store. Send references and state wages expected in first letter.
JOHN RECK & SON,
Bridgeport Conn.

For Sale—Retail floral store, well established, located west end St. Louis, Mo. Price \$1200.00. Address, Key 577, care American Florist.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL Great Falls, Montana.

For Sale—At a bargain, about 10,000 ft. glass. Large growing trade. No competition. Best thing on earth. Address
Key 583 care American Florist.

For Sale—A dwelling, three well stocked greenhouses with an established business. For particulars address L. G. R.
306 W. La Fayette Ave., Fayette, Ark.

For Sale—Three acres of land, 2 greenhouses 15,000 feet of glass, hot water heat, modern house and barn. Write for particulars. Address
C. H. MCCREEDY,
Sta. D. Milwaukee, Wis.

For Sale—Small but good greenhouse plant and cottage in fast growing town in Oklahoma; no competition within 35 miles; the best of bargains; write for particulars.
Address Key 576, care American Florist.

For Sale—A splendidly equipped and good paying retail business in Chicago, including stock and fixtures. Buyer can have a long lease on store. For further particulars, call on or address,
WM. HARBITZ,
3435 W. Chicago Ave., Chicago

For Sale—Modern, well-piped greenhouse, about 4000 feet glass. Well worth the money, or could take a partner with \$1,000 to increase plant. Well established trade store in Iowa. Green houses on train route.
A. R. SALMON,
Kaliazell, Mont.

Wanted—To Buy—Forty good second-hand hotbed sash.
J. W. MILLER Hope, Ind.

Superintendent or Head Gardener.

Situation wanted by a superintendent or head gardener on private place; competent to take charge of greenhouse, palms, ferns, cut flowers, bulbs and bedding plants, vegetables and fruit under glass and outside, landscape gardening; German, age 29, married, no children; 12 years in last position. State full particulars in first letter. Open for engagement April 1. Address
Key 579, care American Florist.

FOR SALE - A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Ill.

FOR SALE

Well Established Nursery.

Excellent location near one of Minnesota's most flourishing cities. Excellent railroad facilities. 120 acres in Apples, Small Fruit and Ornamental Stock. Good Buildings, Storage and Packing Cellar. Will be sold with or without land—long lease if desired. An exceptional opportunity if taken at once. Good reason for selling. Write
KEY 578, Care AMERICAN FLORIST.

PARK COMMISSIONER

FOR TORONTO, CANADA.

Applications for the above named vacant position will be received by the undersigned. Applications should be accompanied with full particulars as to applicant's ability and experience, with testimonials, etc.

G. R. GEARY, (Mayor),

Chairman Board of Control.

City Hall, Toronto, Jan. 17, 1912.

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

EASTER GREETINGS

To _____

FROM *Joy's* FLORISTS
NASHVILLE, TENN.

FLORISTS TAGS FOR EVERY DAY IN THE YEAR

EXCLUSIVE DESIGNS FOR FLORISTS.

An artistic tag attached to your packages will attract favorable attention to your business.

AMERICAN TAG COMPANY'S TAGS are universally recognized as unsurpassed in standard of excellence.

FOR ANYTHING IN THE TAG LINE WRITE—DEPT. 39

AMERICAN TAG COMPANY

6133 State Street; - - CHICAGO, ILL.

"Everybody's Flower."

Paper read by Hugo Schroeter before the American Carnation Society at Detroit, Mich., January 12, 1912.

When the Ridgway Company sought a name for their magazine I presume they called it "Everybody's" because this one word covered its scope most thoroughly. This was the question which confronted me when your secretary bestowed on me the honor of addressing your society. He suggested that my paper deal with the "Divine Flower," the carnation, but requested that I choose my own title. After banishing from my thoughts a number of more or less suitable titles it occurred to me that in speaking of the carnation the most appropriate term would be "Everybody's Flower." In fact, of all the numerous flowers we have to deal with the carnation is the only one which can be rightfully called the flower for everybody.

Roses are conspicuous in most of the events where flowers are used, but even in the smallest decoration, if a variety of flowers are called for the carnation is sure to play a most important part. Often when offering suggestions for decorating the home for a small wedding the question will arise, "What flowers can we use on the piano, the side-board or what bright red flower is there which we can use on the table, the same not to be too costly?" In nearly every instance the carnation is called upon to fill the place. A customer may be somewhat disappointed in not being able to obtain violets, American Beauties, sweet peas or any other of the flowers in general use, but carnations in a flower store are as staple

as nails in a hardware store. Last season during a period when carnations were extremely scarce a lady came in to our store and wanted two dozen rose-pink carnations. She was politely informed that carnations were very scarce and we had none in the shade desired. "Would not some other pink flower do?" "Yes," she replied, "I presume some other flower will have to do, but it seems so queer not to be able to obtain carnations." Retail florists advertise roses, chrysanthemums, orchids, etc., but only in case of a special sale are carnations advertised, simply because it seems to be understood that we always carry a stock of carnations except during the hot spell of July and August.

Now then, gentlemen, you will all agree with me that the carnation is everybody's flower, but being manufacturers and not selling agents, as it were, perhaps you have often wondered why the carnation is in such demand. Is it the price alone that makes for the popularity of this flower? Hardly. This might be the case with the middle and poorer classes, but how about those people who do not have to count their pennies?

No other flower adapts itself to all uses as does the carnation; no other is so easily arranged into an effective spray or bouquet or in a bowl to serve as a center piece. This, I believe, is the principal reason why, each year, the carnation sales amount to hundreds of thousands. The number used in the small inexpensive funeral sprays every year is in itself a big sum. The length and flexibility of stem, their keeping qualities and size make them most ad-

mirable for funeral spray work. For design work the carnation is almost a necessity. Here again its size is an important factor. White carnations, with the stem broken off and a toothpick in its stead, are the best flower we have for outlining a design or as a background for lettering. With the stem left from three to five inches long they are excellent for trimming a design, the stem being just stiff enough to carry the flower gracefully. It does not require the hand of an expert designer to make a loosely arranged wreath of all carnations, nevertheless such a design is especially attractive and lasting. For the sick room the carnation seems to be just the ideal flower. One or two dozen with a few sprays of Asparagus Sprengeri or a few fronds of a Boston fern are just enough for a vase and that spicy, every-pleasing odor is not an over-powering one to which the doctor or nurse will object. Carnations are naturally a graceful appearing flower and when given an especially artistic touch by some real floral artist are unsurpassed for decorative purposes.

I have enumerated only a few of the many uses for the flower which has done so much toward putting our business on a firm basis or perhaps 'twere better said, taking flowers out of the luxury class and causing them to be classed with the necessities of life. There are still more substantial reasons for their ever-increasing popularity. Take the colors, for instance. Not many flowers possess that beautiful shade of pink to be found in an Enchantress or Pink Delight or in their deeper sister, Winsor. In the poinsettia alone is to

THE SPRING

NUMBER

TO BE ISSUED

March 21,

JUST RIGHT FOR THE

EASTER AND SPRING TRADE

— The Best Paid —

CIRCULATION

— To the Trade in the Trade —

That means profit to you. No bogus inquiries that cost time and actual cash.

Count Uncancelled Orders Only.

No Underground Prices. Square Deal To All.

The small advertiser who can afford only an inch gets the same rate and the same consideration as any other patron. No ads. padded for effect at cut rates.

American Florist Co.,

440 S. Dearborn St., CHICAGO.

☛ The Early Advertisement Gets There.

Special Easter Basket Offer

Get in on This. Order Early. Don't Delay.



No. 17,400.

Standard Pot Covers.

Made out of the best grade of half-white willow and natural rattan. Stained Japanese brown and green.

5½	6½	7½	8½	9½
\$1.45	\$2.00	\$2.90	\$3.80	\$4.40



No. 21,073.

Fancy Bulb Pans.

Made out of half willow, and stained Japanese brown or green.

5	6	7	8	9	10
\$1.50	\$2.00	\$2.60	\$3.60	\$4.40	\$5.20



No. 20,717.

Standard Pot Covers

Made out of the best grade of white willow; very handsome. Stained Japanese brown or green.

5	6	7	8	9	10	11	12
22c	28c	36c	45c	55c	70c	85c	95c

Our Goods Are of the Highest Quality; So Send Cash with Order and Avoid Delay.

RAEDLEIN BASKET CO.

713-717 Milwaukee Avenue.

CHICAGO, ILL.

be found a red which surpasses the red of an O. P. Bassett carnation. Of course there are beautiful reds in dahlias, sweet peas and roses, but not that scarlet shade of red usually known as Christmas red and so necessary for decorative purposes. Then again, where is to be found the pure white of a carnation and in such abundance? In no other flower, while the delicate yellow tint of a carnation like Mayor Pingree places this flower in a class by itself as far as color is concerned. Sorry to say it is a rare case indeed when a yellow carnation is available in this market. Surely if more were grown they would in time meet with a more regular demand, as yellow flowers are always scarce, excepting during the chrysanthemum season. Another beautiful type of carnation, whose color is unexcelled, is Harlowarden. A magnolia wreath, trimmed with Harlowarden and a few lily of the valley, is a most beautiful conception. But what of the variegated varieties? These do not seem to meet with popular favor. We have some really good looking variegated kinds, still it is not often that colors are mixed in floral work and this, no doubt, accounts for the small use for variegated flowers. The price at which carnations are obtainable is, of course, also one reason why millions are sold annually. Even the

wealthiest people often desire to spend but a few dollars for a funeral spray or for the sick wife of an employe and carnations are always acceptable.

When I started to write this paper my intention was to endeavor to obtain figures giving the total number of carnations sold at retail in this country during the past year. After conferring with others I have discarded this plan as it would have been almost impossible to arrive at anywhere near the correct amount. There are, nevertheless, millions sold annually at prices ranging from twenty-five cents per dozen to twenty-five cents per flower. In a former sentence I referred to the ever-increasing popularity of the carnation. Of course there is no doubt that more are sold each year, this being only natural, flowers becoming more and more in vogue and the country is growing, but is the carnation as popular as it was some years ago? Do the beautiful carnation blooms of the present day elicit the same approval as did the far inferior ones of twelve or fifteen years ago? It is a noticeable fact that each year brings more people who, while they will not deny the beauty of the flower, still say: "Oh! carnations are altogether too common."

In my opinion the carnation grower or, to be more exact, the carnation itself, is largely to blame for the ex-

istence of the street flower fakir, for without this staple article his activity each year would be of but short duration, and in time he would be compelled to seek elsewhere for a livelihood. With him, also, "Everybody's Flower" plays a most important part. Just how the street flower merchant affects the sales of the legitimate retail store is a matter in which opinions differ. Of course the retail store in closest proximity to these stands will be most affected as far as actual sales are concerned, but this is getting away from my subject. One thing is certain, the sale of thousands of carnations on the streets every year will, in time, seriously affect the favoritism of this flower. In fact, it would elevate our profession considerably if flowers were kept off the streets and out of the peddlers' hands and sold or disposed of through legitimate channels only.

In the first place, those sold on the streets are always more or less old, consequently their keeping qualities are very limited, then, the manner in which they are delivered to the buyer, wrapped in a piece of old newspaper, will certainly not tend to increase the flower's popularity. Neither will the street merchant hesitate in misrepresenting his wares, all of which has so cheapened the carnation in the eyes of

Announcement to the Wholesale and Retail Florists' Trade

We have Leased the
Entire First Floor of
the Coogan Building,
55-57 West 26th
Street. : : : : :



A. MOLTZ.

The Entire Floor,
through the remov-
al of the present
partitions, will be
changed into One
Unbroken Space,
and improvements
will be made. : : :

We will continue to occupy a large portion of this space for Our Wholesale Business, carrying our usual full line of Flowers, with the addition of a Full supply of

Gardenias and Cattleya Orchids.

We extend a Hearty Welcome to Our Patrons, Old and New, and will endeavor to serve One and All to the Best of Our Ability.

Henshaw & Fenrich, A. Sauter, Alexander J. Guttman, The Growers' Cut Flower Company, and several other Wholesale Florists who are at present occupying space on this floor will so continue. There is some desirable space still available for the conduct of a Wholesale Business, which can be rented on application to the undersigned.

Yours truly,

A. MOLTZ & COMPANY

COOGAN BUILDING

55-57 West 26th Street, NEW YORK CITY

Telephones 617 and 618 Madison Square.

ROSES

FINE SPRING CROP. PINK AND WHITE KILLARNEY.

EXTRA FANCY LILIES, \$10.00 PER 100.

Current Price List: Subject to market changes.

American Beauties

	Per doz.
Specials, 48-inch stems and over.....	\$5.00 to \$ 6.00
30 to 36-inch stems.....	3.00 to 4.00
24-inch stems.....	2.00 to 2.50
15 to 20-inch stems.....	1.50
12-inch stems.....	1.00

Carnations

	Per 100
Extra fancy red (Bassett).....	\$3.00
Extra long fancy white.....	\$2.00 to 3.00
Extra long fancy Enchantress.....	2.00 to 3.00
Winsor.....	2.00 to 3.00

Bulb Stock

	Per 100
Easter Lilies..... per doz., \$1.50; per 100	\$10.00
Tulips, all colors.....	2.00 to 3.00
Daffodils, single and double.....	2.00 to 3.00
Lily of the Valley, per 100.....	3.00 to 4.00

Select Pink and White SWEET PEAS, per 100.....50c to \$1.00

We Are Growers of All the Stock We Sell and Guarantee It to Be Strictly Fresh.

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago.

Greenhouses: Hinsdale, Ill.

Roses

Rhea Reid, Richmond, Pink Killarney, White Killarney and Perle.

	Per 100
Specials extra select Red roses.....	\$10.00
Specials extra select Pink and White.....	8.00
Medium and long.....	\$5.00 to 6.00
Short.....	3.00 to 4.00

Greens

	Per 100
Asparagus, sprays, per 100.....	3.00 to 4.00
Sprenger, per 100.....	2.00 to 3.00
Ferns, per 1,000.....	\$2.50
Smilax, per doz.....	2.00
Adiantum, per 100.....	1.00 to 1.50
Mexican Ivy, per 1,000.....	\$6.00
Galax, bronze, per 1,000.....	1.00

Chicago.

THE MARKET UNCHANGED.

The conditions of the flower market are but little changed from a week ago, there being a large stock of all the flowers received, and the buying is a little larger and stock is moving more freely, but the receipts have been so large and the increase in buying so small that it has made no perceptible difference in the market conditions. Some of the dealers say, however, that Saturday of last week was the poorest Saturday that the trade has had this year. There is an increase in the receipts of roses, with the exception of American Beauties and Richmonds, which have held their prices quite firmly and are having a good sale, but the other tea and hybrid tea roses are being quoted at little lower figures. Killarney and White Killarney are both being received in good quantities and the quality is excellent, the color of Killarney being much improved. Richmond is not in heavy crop and those that are received are quickly disposed of. Melody is now seen in splendid condition, some fine vases of these beautiful roses being displayed. Carnations continue to arrive in large shipments, and although there are large quantities sold, yet it is difficult at times to dispose of the stock as fast as it comes in, and some very low quotations on large lots are reported. Red seems to be in large over-supply and there are large vases of these left on hand with most of the growers; the lighter colors seem to find a more constant demand. With warmer weather and more people on the street there has been a little larger call for violets, but there are more than plenty on hand to meet the increased demand. Orchids are not in any too bountiful supply, for the receipts are comparatively small and it would take but a

small awakening of the trade to cause these beautiful flowers to clean up. Lily of the valley is quite plentiful, as are lilies and callas. Bulbous stock is very plentiful, there being a great abundance of tulips, narcissi and hyacinths, both as cut flowers and in pots and boxes. Freesia is still to be had in fine quality and antirrhinums, mignonette, lupines, pansies, sweet peas in great quantity and of all colors, calendulas, stocks are all to be found in the daily receipts. There is good supply of Asparagus plumosus, but the branches of Sprengerii do not contain many of the long sprays, showing that the plants have been pretty severely cut. The hardy fern supply is growing short and the prices are correspondingly high. The plantmen are sending in some very fine specimens, the retailers having beautiful azaleas, primulas and bulbous stock. The supply houses are very busy with orders for Easter, which are reported very large.

NOTES.

H. E. Griffin, a member of N. J. Wietor's Pikers Club, is telling his many friends on the local market of his miraculous escape from death in the train wreck on the Rock Island road last week, and jokingly says that the last thing he saw as he was flying through the air was the home of the Pikers at White Sand Lake, Wis.

Frank Williams has returned from a three weeks' visit at Hot Springs, Ark., feeling much improved in health. Miss Hirschberg is proving to be a most valuable assistant to Mrs. Williams, who so successfully manages the store on East Randolph street.

D. F. Webster, with the James H. Rice Co., says that the condition of the glass market is still very uncertain and that another advance in price

U S Budlong's E Blue Ribbon Valley.

is likely to occur at almost any moment.

George Reinberg celebrated the 50th anniversary of his birth at his home last Monday, March 4, and his many friends sincerely hope that he may live to enjoy as many more.

The next regular meeting of the Florists' Club will be held at the Union Restaurant, 168 West Randolph street, Thursday evening, March 7.

John Evans of Richmond, Ind., accompanied the local delegation to the Illinois State Florists' Association's meeting at Joliet this week.

Frank Johnson, sales manager for the A. L. Randall Co., is calling on the trade in Omaha and other large western cities this week.

Sam Graff, formerly of Seattle, Wash., was in the city this week and is planning on opening a store in Columbus, O.

Fred Strail, formerly with the Briggs House Florist, is now with Lubliner & Trinz, the enterprising East Randolph street florists.

Mrs. E. E. Pieser is quite ill and it is thought that an operation will be necessary for her complete recovery.

George M. Garland has been confined to his home for a few days this week with a light touch of pneumonia.

Miss Olga Tonner is again assisting her sister at the store after a several months' leave of absence.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

SPECIAL PRICE

THIS WEEK ON

Extra Fancy Carnations

STRICTLY FRESH BLOOMS

\$10.00 to \$15.00 per 1000

FULL LINE SUPPLIES FULL LINE

Order Your Easter Stock from Us

CURRENT PRICE LIST

AMERICAN BEAUTIES.		Per doz.	GOOD SHORT STEM ROSES.	Per 1,000
Long Special	.....	\$ 5.00	Our selection	.....\$30.00
36-inch	.....	4.00	Our Extra Special Grade Roses charged accordingly.	
30-inch	.....	3.00	CARNATIONS, fancy	\$ 3.00
24-inch	.....	2.00	“ first quality	..... 2.00
15-inch to 20-inch	.....	1.50	“ splits	..... 1.00
12-inch	.....	1.00	ORCHIDS, Cattleyas, per dozen	\$4.00 to \$5.00
Short Stem, per 100	.....	\$4.00 to 6.00	HARRISII, per doz.	1.50 10.00
		Per 100	NARCISSUS PAPER WHITE	3.00
RICHMOND, select.	\$10.00		ROMANS	3.00
Fancy	.....	8.00	VALLEY	3.00 to 4.00
Medium	.....	6.00	VIOLETS, double.....	.50c to .75
Good Short	.....	\$3.00 to 4.00	VIOLETS, single, Princess of Wales.....	.50c to .75
PRINCE DE BULGARIE, extra select.	15.00		MIGNONETTE, large spikes	\$4.00 to 6.00
Select	.....	12.00	FREESIAS	3.00
Medium	.....	\$8.00 to 10.00	JONQUILS	3.00
KILLARNEY, select.	\$10.00		DAFFODILS	3.00
Fancy	.....	8.00	TULIPS, all colors	3.00
Medium	.....	6.00	SWEET PEAS.....	.40c to .75
Good Short	.....	\$3.00 to 4.00	ADIANTUM, short.....	.75
MRS. AARON WARD, extra	15.00		ADIANTUM CROWEANUM, fancy,	1.00
Select	.....	12.00	SMILAX	per doz., \$2.00
Medium	.....	\$8.00 to 10.00	SPRENGERI PLUMOSUS SPRAYS	\$3.00 to 4.00
MY MARYLAND, select.	\$10.00		PLUMOSUS STRINGS, each.....	.50c
Fancy	.....	8.00	FERNS, per 1,000	\$2.50
Medium	.....	6.00	GALAX, per 1,000	1.00
Good Short	.....	\$3.00 to 4.00	LEUCOTHOE.....	.75
WHITE KILLARNEY, select.	\$10.00		BOXWOOD, per bunch.....	.25c
Fancy	.....	8.00	BOXWOOD, per case	\$6.50
Medium	.....	6.00	MEXICAN IVY, per 1,000	6.00 .75
Good Short	.....	\$3.00 to 4.00		
MELODY, long	\$12.00 to \$15.00			
Medium	.....	8.00 to 10.00		

**POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES**

We make these a specialty.
Can supply them all the Year.
Once tried you will have no other

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

CARNATIONS

A Large Quantity of All the Leading Varieties in Red, White and Pink.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

	Per Dozen	Per Dozen
60-inch stems	} \$5 00	24-inch stems.....\$3.00
48-inch stems		20-inch stems..... 2.50
36-inch stems	} 4.00	15-inch stems..... 2.00
30-inch stems		

Killarney.

	Per 100
Extra special.....	\$8.00
Selects.....	7.00
Fancy.....	6.00
Medium.....	5.00
Good.....	4.00
Short stems.....	3.00

Richmond

	Per 100
Extra special.....	\$10.00
Selects.....	8.00
Fancy.....	7.00
Medium.....	6.00
Good.....	5.00

Jardine

	Per 100
Select.....	\$8.00
Fancy.....	6.00
Good.....	5.00

White Killarney

	Per 100
Extra specials.....	\$8.00
Selects.....	7.00
Fancy.....	6.00
Medium.....	5.00
Good.....	4.00
Short stems.....	3.00

Uncle John

Select.....	\$7.00
Fancy.....	5.00
Good.....	3.00

Roses, our selection - - - \$3.00

Carnations,

Special.....	\$2.00
Fancy.....	1.50
Good.....	1.00

TULIPS.....\$2.00, \$3.00 to 4.00

FERNS, per 1000, \$2.50. SMILAX, per doz., \$1.50 to \$2.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per 100, \$2.00 to \$3.00.

ASPARAGUS SPRAYS, per 100, \$2.00 to \$3.00.

John Michelsen, with the E. C. Anlin Co., says that during his 17 years of experience on the local market he has never known the condition of the market to be so unsatisfactory as it is at present so early in the season and such high quality stock sell at such low prices. W. P. Kyle, of Kyle & Foerster, tells the same story and no doubt both gentlemen agree with many others that a change for the better cannot happen too soon.

Poehlmann Bros. Co. is still cutting heavily in fancy American Beauty roses as well as a fine grade of all other seasonable stock. The receipts of carnations the past week have been unusually large and a special price in large lots is attracting the attention of both the local and out of town buyers. This firm is now showing a fine line of supplies and is ready to book their customers' orders for anything that they may want.

Wietor Bros. are cutting a fancy grade of roses and carnations and are going to be particularly well fixed in white for St. Patrick's day. N. J. Wietor says that his firm is going to be in fine crop with both roses and carnations for Easter and that he will endeavor to give his customers the same quality of goods that they received during the holidays.

The Chicago Flower Growers' Association is offering large quantities of roses and carnations and J. F. Kidwell says that the fancy stock is meeting with ready sale. A special sale on bronze galax in case lots is attracting the attention of the local buyers this week.

Otto Wittbold attended a meeting of Edgebrook Country Club at the Hotel LaSalle on February 28 when the

election of officers for the ensuing year was held. The Ray ticket, which Mr. Wittbold supported, was successful, although the election was very close.

Paul M. Bryant, the hustling manager at E. H. Hunt's, has returned from another enjoyable visit to Milwaukee and is again attending to his duties at the store. Clifford Pruner has started out on another trip with a fine line of samples for parts unknown.

Peter Reinberg is right in crop with White Killarney and Richmond roses and carnations and is offering some very choice stock in all lines. Tim Matchen says that Killarney is also coming into crop and that he expects to have a good supply from now on.

F. F. Scheel of Shermerville has secured the services of Martin Goerger, an efficient carnation grower, and is now going to produce some extra fine stock. Mr. Scheel consigns his stock to Kyle & Foerster, where it always meets with very ready sale.

A. L. Vaughan & Co. are particularly well fixed on all kinds of seasonable stock, especially roses and carnations. Both the local and shipping trade are as good as can be expected under the existing conditions.

Peter Weiler says that there is nothing new around the Superior Machine & Boiler Works except that his firm has a large number of fine boilers on hand ready to fill all the spring orders that are likely to come in.

George Economopolis says that the Alpha Floral Co. is doing a fine business and that last Saturday, March 2, was the banner day of the year.

Only a few days more and the wedding bells will be ringing in Irving Park and Des Plaines.

U S Budlong's E Blue Ribbon Valley.

The A. Dietsch Co.'s new catalogue is now in the hands of the printers and will be ready for mailing soon. Carl Ickes, the efficient manager, will gladly furnish one to all the readers of this paper upon request.

Charlie Richter will be married to Miss Nellie Floyd next Wednesday, March 13, at his home at 1045 Milwaukee avenue. Charlie is also planning on going into the retail business at 1045 Milwaukee avenue.

H. Van Gelder has received another large shipment of tissue paper, and when the stock arrived last Monday the store looked very much like the shipping room of a good-sized paper factory.

The violets that the J. B. Deamud Co. is offering are of fine quality, as are also the lilies which are some of the best that we have seen on the local market.

Buchbinder Bros. have had such good success in selling florists' refrigerators that they are going into the business on a larger scale.

H. Munson reports business in the greenhouse material and supply line as good, with a large demand for cleaned and trimmed boiled flues.

WHITE KILLARNEY

Killarney, Richmond, Beauties, Mrs. Marshall Field, Maryland and Perle Roses, also

Large Quantities of Carnations

EXTRA FANCY STOCK. FINEST IN THE MARKET.

CURRENT PRICE LIST.

AMERICAN BEAUTIES	Per doz.
Extra long.....	\$ 5 00
36 inch stems.....	4 00
30 inch stems.....	3 00
24 inch stems.....	2 50
20 inch stems.....	2 00
15 inch stems.....	1 50
12 inch stems.....	1 00
Shorts.....	75
RICHMONDS.	Per 100
Select.....	8 00
Medium.....	6 00
Shorts.....	\$ 4 00 to 5 00
KILLARNEY.	Per 100
Select.....	8 00
Medium.....	6 00
Shorts.....	4 00 to 5 00
WHITE KILLARNEY.	Per 100
Select.....	8 00
Medium.....	6 00
Short.....	4 00 to 5 00

MY MARYLAND.	Per 100
Select.....	8 00
Medium.....	6 00
Short.....	4 00 to 5 00
SUNRISE.	Per 100
Medium.....	8 00
Short.....	5 00 to 6 00
MRS. MARSHALL FIELD	Per 100
Special.....	10 00
Select.....	8 00
Medium.....	6 00
Short.....	4 00 to 5 00
PERLES.	Per 100
Select.....	8 00
Medium.....	6 00
Short.....	5 00
Roses, our Selection.....	4 00
Carnations, Fancy.....	2 50
" Good.....	1 50 to 2 00
" Splits.....	1 00

Harrisii Lilies,	per doz., \$1.50	Per 100
Valley.....		3 00 to 4 00
Violets.....		60 to 75
Sweet Peas.....		75 to 1 00
Paper Whites.....		3 00
Tulips.....		3 00
Romans.....		3 00
Asparagus, bunch.....		3 00
" strings, 60c to 75c ea.		
" Sprengeri.....		2 00
Smilax.....		1 50 to 2 00
Mexican Ivy.....		75
Galax, bronze and green.		
per 1000, \$1.00		
Leucothe Sprays.....		75
Boxwood, per bunch.....	25c	
Ferns.....	per 1000, \$2.50	

Extra Select. Roses Billed Accordingly

PETER REINBERG,

30 E. Randolph Street,

CHICAGO.

E. E. Pieser, the Peony King, informs us that he has bought all the peony stock plants from the Chicago Carnation Co. for the fabulous sum of \$10,000 and says that they will be offered for sale at the purchaser's price in the fall. The Peony King bought the stock with the intention of reserving one variety, Richardson's Rubra Superba, with which to stock his large peony plantation. Everyone far and near has heard of the Peony King and his gambling every spring is about as much talked about in the trade as Teddy and Bill are in the presidential campaign at present.

The Geo. M. Garland Co. is now making an addition to their office, the present quarters being far too small to properly take care of the ever increasing business. H. S. Garland was at Joliet with an exhibit at the Illinois State Florists' Association's meeting this week and had his hands full telling his many friends that his firm was not quite ready to give out any information in regard to their new invention. Whatever it is it has got the trade guessing and the only thing that the firm will deny is the rumor that it is building a revolving range.

Peter Sogoros, with the Chicago Florist, has had several very tempting offers for his property at Forty-second and West Harrison streets, but as yet has not accepted any of them. He is planning on building this spring and will either lease or occupy the building himself.

Attention, Florists! For St. Patrick's Day!

GREEN CARNATIONS GREEN

We have a very powerful coloring which will dye many white flowers a beautiful emerald green in a few hours by absorption, or instantly by immersion. The dye is combined with a powerful and harmless chemical agent which helps to preserve and color the flowers. We have the coloring in Red, Blue, Yellow, Orange, American Beauty and Green. Directions with each package, which will make two quarts of coloring. Don't be fooled with cheaper dyes, but get the real article cheap. PRICES: 1 qt. package, 50c; 2 qt. package, 75c; 6 qt. packages, \$4.00; 12 qt. packages, \$7.50. Sent postpaid on receipt of price. Address

The Phila. Chemical Co., 5513 Thompson St., Philadelphia, Pa.
C. S. FORD, Mgr., Box 4515, West Park Station, Philadelphia, Pa.

Agents: A. Hermann, Gen. Agent, 404-412 East 34th St., New York City; C. C. Pollworth Co., Milwaukee, Wis.; W. F. Kasting Co., Buffalo, N. Y.; Pittsburg Cut Flower Co., Ltd., Pittsburg, Pa.

R. C. Lund, head gardener for Sears & Roebuck, is busy getting his firm's premises at Harvard and Spalding avenues in tip top shape and when he is through he expects to have grounds that will be second to none in this city as far as beauty is concerned.

The Raedlein Basket Co., 713-717 Milwaukee avenue, is making a special price on plant baskets this week, and is giving the florist who handles a large number of plants for Easter an opportunity to secure pot covers at very reasonable figures.

John Kruchten is showing some very fancy stock in all lines and is espe-

cially strong on roses, carnations and bulbous flowers. White carnations for St. Patrick's day will be found at this house in quantity and the proprietor expects to fill all orders in full.

Large signs advertising the spring flower show can be seen well displayed over the doors of both the downtown retail and wholesale florists' establishments, and the posters are displayed in conspicuous places.

The E. F. Winterson Co. furnished the carload of wild smilax that was used to decorate the Dexter Pavilion where the American Bowling tournament is now taking place.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

J. F. KIDWELL, Pres.

ED. MEURET, Vice-Pres.

ANTON THEN, Treas.

G. C. WEILAND, Sec'y.

LARGE QUANTITIES

OF EXTRA FANCY

ROSES
VALLEY
VIOLETS
CALLAS
LILIES

And a SPECIAL SALE on
Bronze Galax,

\$5.50 per case.

PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.50	\$ 2.00	1.50	\$ 1.25
Killarneys.....per 100	10.00	8.00	7.00	6.00	5.00	4.00	3.00
White Killarneys.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Richmonds.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
My Maryland.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Perle.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Maids.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Brides.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Carnations.....	2.00	1.50	1.00				
Callas.....	12.50	10.00					
Easter Lilies.....	10.00	8.00					
Orchids, Cattleyas.....	35.00						
Lily of the Valley.....	4.00	3.00	2.00	1.50			
Violets, Princess of Wales.....	.60	.50	.40				
" single and double.....	.60	.50	.40				
Sweet Peas.....	.75	.50	.40				
Mignonette.....	4.00	3.00					
Romans.....	3.00	2.00					
Narcissus.....	3.00						
Daffodils.....	3.00						
Tulips, Pink Novelty.....	4.00						
" assorted colors.....	4.00	3.00	2.00				
Jonquils.....	3.00						
Daisies.....	1.00						
Asparagus Plumosus Sprays.....	4.00	3.00	2.00				
Asparagus Sprengeri Sprays.....	3.00	2.00					
Mexican Ivy, \$5.00 per 1000.....	.60						
Smilax.....	12.50	10.00					
Adiantums.....	1.00						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.50						
Boxwood, 50-lb. case \$6.00.....bunch	.25						

The Stuppy Florals, representing the Stuppy Floral Co. of St. Joseph, Mo., will bowl a picked team representing the local Florists' Club Bowling League at Bensingers Alleys, 29 West Randolph street, next Friday, March 8, at 8:00 p. m. The visitors come well recommended and it looks as if the local boys will have to go some to stand a show with Stuppy's crack team from Missouri. The Bullion State players will also strive for honors in the American Bowling Tournament, and are scheduled to appear in the Dexter Pavilion on March 9. The locals wish them much success in the tournament and sincerely hope that John Stuppy's team will come out on top.

The local bowlers have made arrangements to play a match game with the Milwaukee florists next Sunday, March 10, and will leave at 11 a. m. on the Chicago & Northwestern Railway. Everybody is cordially invited to accompany the teams and it would be greatly appreciated if all those who intend to do so would notify Allie Zech, at Zech & Mann's store, so the proper arrangements for all concerned can be made.

The coal strike called by the miners to take place April 1 is a matter of interest to the trade. R. C. Whitsett of the R. C. Whitsett Coal & Mining Co. states that the strike will in all probability be of short duration and that the greenhouse men may feel assured that they will be well supplied. He also says that the strike in England is causing a large demand for American steam coal, especially Pocahontas.

Bassett & Washburn's fancy lilies continue to attract the attention of the trade, and some exceptionally well developed buds are offered. The roses and carnations are also of their usual good quality and sell as readily as can

be expected under the prevailing market conditions.

Chas. W. McKellar is now receiving regular shipments of Cattleya Schroederæ and the first of the season made its appearance on March 2. He is expecting a visit from Paul M. Palez, the Arkansas Traveler, who is due to arrive here some time next week.

A. Miller and Guy M. Reyburn of A. Henderson & Co. are in the city this week having returned from successful western business trips. Mr. Henderson reports business as good, with the outlook very encouraging for the coming season.

The dance given by the Chicago Carnation Co.'s baseball team in Adams Hall at Joliet on March 5 was well attended and all those that were present report having had a most enjoyable time. Sure, Princess Charming was there.

J. A. Budlong is cutting heavily in roses and carnations and the tables at the store are again well laden with very fine stock. This firm is also offering some fancy lily of the valley of their famous Blue Ribbon brand.

J. W. Lion says that they are having some very severe cold weather in Belvidere and that the thermometer registered 10° below zero last Saturday, March 2, and that it has been as low as 24° below this winter.

John Zech has been suffering considerably for some time past with severe pains in the back, and left last Tuesday, March 5, for Milwaukee to receive treatment.

Visitors: Geo. Blackman, Evansville, Ind.;—Koolberger, representing Koolberger & Sliedrecht, nurserymen, Boskoop, Holland; John Evans, Richmond, Ind.; C. E. Summerfield, Springfield, Mo.; J. U. G. Lambele, Jr., with Lena McCoy, Seattle, Wash.



American Beauties,
Roses,
Carnations,
Orchids, Gardenias,
Valley, Violets,
Daisies, Lilies, Etc.
Greens.

At lowest market rates

Weiland & Risch

154 N. Wabash Ave.,
CHICAGO.

U
S Budlong's
E Blue Ribbon Valley.

BALTIMORE, Md.—James J. Cummins will erect three greenhouses 35 x 200 feet each at Dorsey lane and Cascara street. The King Construction Co. is builder and architect.

CARNATIONS

A Large Supply
For St. Patrick's Day
 Especially White

We are booking orders now and would be pleased to have you on our list. Let us hear from you today.

JOHN KRUCHTEN

162 N. Wabash Ave.,

CHICAGO

Good Stock, Quick Action and Low Prices

That Ought to Cover Your Wants.

With 40 reliable shippers, representing about 1,200,000 square feet of glass, we are able to supply you with the greatest variety of stock grown by individual specialists near Chicago. Those who have been our regular patrons will appreciate the above statement, and to you who have not called on us heretofore we ask only a trial.

A. L. VAUGHAN & CO. (Not Inc.)

Telephones } 2571 Central.
 } 2572 Central.

161 N. Wabash Ave, Chicago

Mitchell, S. D.

The Mitchell Greenhouses & Nurseries, which was recently incorporated, has been reorganized by Ernest F. McKillips and W. W. Reams, who have become large holders in the company under the title of "The Newburys." The officers are: C. E. Newbury, president and general manager; Ernest F. McKillips, vice-president and treasurer; W. W. Reams, secretary; C. E. Newbury, S. E. Morris, Lewis Shuster, W. W. Reams and E. F. McKillips, directors. The company now has 100 acres of land, on which are located 21 greenhouses, with an area of 55,000 square feet of glass, making it one of the largest establishments in the Dakotas.

Chicago Bowling.

Individual and team scores for games played Wednesday, February 28:

Carnations.		Roses.	
Lorman ...169 149 166	Stack ...114 193 103		
Ayres ...137 171 169	Winter'n ...120 140 121		
Schultz ...121 170 133	Sch'm'n ...136 118 148		
Ballif ...158 198 184	Ebert ...158 204 198		
A. Zech...126 184 168	Fisber ...178 147 171		
Totals...706 872 870	Totals...706 802 741		
Orchids.		Violets.	
A. Hneb'r...150 153 112	Schlossm'n...121 125 143		
Graf ...181 147 153	Bernier ...138 193 137		
Krauss ...165 203 168	Sweeney ...149 122 168		
Huebner ...162 206 152	Meyers ...153 171 130		
Farley ...170 151 167	Krone ...161 170 157		
Totals...828 860 752	Totals...722 781 735		



ORCHIDS

and All Other Desirable Flowers

GREEN DYE

Don't overlook the fact that I have the **Best St. Patrick Green Dye** on the market. Do not buy the expensive fluid when you can get this powder and mix it yourself. Per package, 25c; 3 packages, 60c; per doz., \$2.00, postage prepaid. Package will dye from 100 to 150 carnations. Order now.

CHAS. W. McKELLAR
 162 N. Wabash Avenue,
CHICAGO.

WEST NEWBURY, MASS.—Owing to the breaking of a pipe in the greenhouse of Thomas J. King, the heating plant became useless, and before repairs could be made the plants had been frozen and \$1,000 damage done.

WEST NEWBURY, MASS.—Charles F. Newell will erect two additional greenhouses as soon as spring opens. Trade is reported as most satisfactory, but the weather has been extremely cold the last six or seven weeks.

"The Busiest House in Chicago"

ALWAYS

Has a large quantity of Strictly Fresh Chicago Grown Double Violets, Sprengeri and Plumosus Sprays, Roses, Carnations, Bulbous Flowers and all other seasonable stock.

J. B. DEAMUD CO.

160 N. Wabash Ave.,

CHICAGO.

Ed. Winterson Co.,

166 N. Wabash Ave.,
CHICAGO.

WHOLESALE CUT FLOWERS, GALAX AND OTHER GREEN GOODS.

Extra Choice Stock.

Large Quantities and Reasonable Prices.

Bronze Galax

We have 50 cases that run a little small but contain good stock, 10,000 to the case, \$4.50 per case; 60c per 1000. Large size \$7.50 per case, \$1.00 per 1000.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

Nashville, Tenn.

The Lenten season has made little or no difference in the trade, as all report good sales for the week. Roses are coming in fine again and carnations are at their best. Violets, too, are abundant. Geny Bros. have cut forty thousand in the past three days. They also have an abundance of sweet peas, the white, lilac and pink being the favorite colors. Trade has been good.

NOTES.

The most important piece of news of the week, in floral circles, is the announcement of the purchase, by the McIntyre Bros. of a valuable piece of West End real estate to be used as a floral store. The property is located on the fashionable West End avenue and is at present a residence, but will, as soon as the present lease expires, be converted into a floral store. The front will be extended to the street, and will serve as the sales department, having large plate glass windows in front. The building, which is a large two-story brick, will be thoroughly remodeled to meet the needs of the floral business, while the upper portions will be used as a residence by some members of the family. The lot is a very deep one, of 225 feet, and on this the firm propose to build a large greenhouse for palms and other things needed to be at hand. It will be invaluable for storage and such like conveniences. While waiting to get possession of the new property the brothers will push forward, as rapidly as possible, work on the new plant on Kilvington avenue, where they are erecting large up-to-date greenhouses, which will be fully ready for next season's trade. The old place on the Hillsboro road contains six acres and the new has thirty-six. The McIntyres are pioneers in the floral business in this city, their father, the late Dan McIntyre, having established the business more than fifty years ago. It is now

being carried on by the four brothers, Dan, Will, Tom and Hugh, and their sister, Miss Nellie McIntyre. This makes a strong firm and every one, even the sister, Miss Nellie, being a practical florist, and it is her taste and ingenuity that makes beautiful the floral designs. By making this purchase McIntyre Bros. have shown fine business judgment. Rents in the business sections are enormously high, so as to be almost prohibitive. This puts them in a fashionable residential section and will, no doubt, be very convenient to purchasers. This is an innovation in this city and will in all probability be eminently successful.

The Joy Floral Company has an abundance of every kind of beautiful flowers and a demand which keeps their large force of clerks constantly busy. Their American Beauty roses are fine; also Richmond, My Maryland and other roses. They have an abundance of sweet peas and thousands of violets. The pleasant weather of a few days, after the severities of the season, caused violets to bloom very profusely.

Haury & Sons are doing a good business and have an excellent class of flowers, which meet with a ready sale. Their roses, carnations and bulbous stock are of the best.

M. C. D.

Baltimore.

BUSINESS GOOD.

Although the cold snap caused the plentiful supply of roses to hold up somewhat, it did not affect the demand for flowers, which has been good, and there has been considerable funeral work.

NOTES.

A large quantity of flowers was used at the funeral of Mr. Lanahan, a prominent business man of great wealth and noted for his charity and liberal-

U S Budlong's E Blue Ribbon Valley.

ity. He was a great lover of flowers and his beautiful country home "Blenheim," was one of the beauty spots of Baltimore county. An exquisite lawn, flowers and well kept shrubbery made an ideal place. The Gardeners' and Florists' Club have been lavishly entertained there.

The greenhouses of J. P. King, Mt. Airy, are looking well. About 25,000 square feet of glass, planted with roses, carnations, sweet peas and a variety of potted plants, are well cared for. He has a large local trade in the community of Mt. Airy and is, as well, a shipper to the city.

O. Fiedler, of A. Fiedler & Co., reports a bright outlook. A good business is carried on from the South Charles street store; a large greenhouse has recently been added to their range. They have about 16 acres and 15,000 square feet of glass.

The Gardeners' and Florists' Club held its regular meeting Monday, February 26. Return postals have been sent out announcing the banquet in honor of the twenty-fifth anniversary to be held at Mt. Holly Inn March 11, 1912.

B.

NEW ORLEANS, LA.—Mathias M. Cook and wife celebrated the fortieth anniversary of their wedding February 8. Members of the family and invited guests to the number of 100 gathered at the home, which was beautifully decorated for the occasion.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House,

66 E. Randolph Street,

CHICAGO.

Everything in Cut Flowers and Supplies.

WIRE, WRITE OR TELEPHONE CENTRAL 1496.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. E. H. HUNT CHICAGO, ILL.

BUY YOUR CARNATIONS OF GROWERS Direct From Greenhouses

Quality best and absolutely fresh. Prices reasonable. Try us today.

Brant & Noe Floral Co., 5744 Brantwood Ave. CHICAGO.

Mention the American Florist when writing

U S Budlong's E Blue Ribbon Valley.

Mention the American Florist when writing

Morris Co. Gardeners' and Florists' Society

The meeting of the Morris County Gardeners' and Florists' Society, to be held March 13, will be "Carnation night." Madison is getting to be almost as famous for her carnations as she is for her roses. This annual affair has for a number of years been a great success. The standard varieties will be well represented from around home, but the novelties we must get wherever we can. This year's introductions can count amongst them many of a very high standard, and the society would solicit from the introducers as many consignments as possible. All consignments in care of C. H. Totty, Madison, N. J., will be well cared for and be staged properly. Three papers on the carnation will be read—"Propagation," by George Hubbard of the C. H. Totty establishment; "Culture," by G. F. Neipp, Chatham, N. J.; and "Carnations of Today," by John Downing of Morris Plains.

E. R.

ROCKY RIVER, O.—The Western Reserve Greenhouse Co. has been incorporated by R. N. Bradley and others with a capital stock of \$17,000.

MIAMI, FLA.—The meeting of the State Horticultural Society to be held here in May will mark the twenty-fifth anniversary of the organization. Secretary E. O. Painter is now making arrangements for the meeting.

ROCHESTER, N. Y.—At a meeting of the creditors of E. C. Campbell it was unanimously voted to dispose of the store at private sale for the payment of the employees, to be followed by assignment for the benefit of the creditors instead of bankruptcy proceeding. The outlook now is that Mr. Campbell will be able to pay all creditors in full without assignment or bankruptcy.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF

CUT FLOWERS

Geo. Reinberg

Wholesale Florist

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing

Wholesale Flower Markets

	CHICAGO, Mar. 6,	Per doz.
Roses, Beauty, specials.....		5 00
" " 36-in.....		4 00
" " 30-in.....		3 00
" " 24-in.....		2 00
" " 15-20-in.....		1 50
" " 12-in.....		1 00
" " Short.....	4 00@	6 00
" Killarney.....	3 00@	10 00
" White Killarney.....	3 00@	10 00
" Richmond.....	3 00@	10 00
" Prince de Bulgarie.....	8 00@	15 00
" Mrs. Aaron Ward.....	8 00@	15 00
" My Maryland.....	3 00@	10 00
" Perle.....	3 00@	10 00
" Melody.....	8 00@	15 00
" Bride.....	3 00@	10 00
" Bridesmaid.....	3 00@	10 00
" Uncle John.....	6 00@	8 00
" Mrs. Jardine.....	3 00@	8 00
" Mrs. Marshall Field.....	3 00@	8 00
Carnations.....	1 00@	3 00
Cattelyas..... per doz.,	4 00@	6 00
Dendrobium Formosum.....	5 00@	6 00
Daffodils.....	3 00@	3 00
Gardenias.....	3 00@	4 00
Lilium Harrisii..... per doz.,	1 50	10 00
Mignonette.....	4 00@	6 00
Paper Whites.....	3 00@	3 00
Romans.....	3 00@	3 00
Sweet Peas.....	40@	75
Freemias.....	3 00@	3 00
Stocks, single..... per bunch,	1 00	1 50
double.....	1 50	3 00
Tulips.....	3 00@	4 00
Valley.....	3 00@	4 00
Jonquilla.....	3 00@	3 00
Violets, Single.....	50@	75
Double.....	50@	75
Adiantum Croweanum.....	1 00@	1 00
Boxwood..... per bunch,	25	
Ferns..... per 1000,	2 00@	2 50
Galax bronze.....	1 00@	1 00
green.....	1 00@	1 00
Leucothoe.....	75	
Mexican Ivy.....	75	
Plamosus String..... each,	50	
Smilax..... per doz.,	2 00	
Sprengerl, Plamosus Sprays.....	3 00@	4 00

E. C. AMLING CO.

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

68-70 E. RANDOLPH STREET, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

W. F. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

HOERBER BROS.

Wholesale Growers of Cut Flowers, Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL. Store, 162 N. Wabash Avenue CHICAGO

WIETOR BROS.

Wholesale Cut Flowers Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO Telephone, Central 3284.

Washington.

THE SUPPLY INCREASING.

While it is the consensus of opinion among the retailers that "Lent makes some difference," business continues to be very fair. There are many people to whom one day is as good as another, providing they can get some enjoyment out of it, and then, with headquarters open for four or five presidential candidates, including the formidable Colonel, something has to be done. The quantity of flowers is constantly on the increase and there does not seem to be a scarcity in any stock. Particularly noticeable is the profusion of sweet peas and carnations in both of which there is much fine stock. Reports received from various wholesale centers indicate that there is no shortage of good flowers in any part of the country within shipping distance of this city, and that, it will be readily seen, includes a wide area. The thoughts of growers are now dwelling on Easter and Easter stocks. The lilies, so far as we have learned, are coming on well and there are prospects of a good crop. While the weather is not at all springlike, there was considerable sunshine during the past week, which helped stock along.

NOTES.

Since W. R. Smith of the U. S. Botanical Gardens has been ill his place has been capably filled by John Clark, another venerable Scotchman. Mr. Clark is likewise an authority on plants and flowers and keeps right up to date on current events in the horticultural world. Just now he is greatly interested in the coming exhibition in London and it would not be surprising to his friends if he makes the trip.

John Robertson, who pays much attention to landscape work and trees and shrubs, calls our attention to the large number of shrubs that have been winter-killed. This is particularly true of the Azalea amena, tea roses and aucubas. It is also believed that much privet is killed, but that cannot be definitely determined for a time.

Alex. B. Garden has a fine lot of lilies coming on for Easter, as well as a large variety of other pot stock, noteworthy being Dorothy Perkins and Crimson Rambler roses.

L. Z. Blackstone is about to erect a row of houses in the Georgetown section of the city at an outlay of nearly \$20,000. The contract has already been let.

J. H. Small & Sons will continue to operate both of their stores. Their fine new store is in the Woodward building, Fifteenth and H streets, N. W.

A feature of the Gude Bros. Co.'s new range at present is the remarkably fine quality of sweet peas, of which they are making a heavy cut.

James Pierce of the Bowen road, Good Hope, is sending in very fine primroses and mignonette.

Visitors: Harry Stroebel and wife, Newark, N. J.; S. P. Dernison, representing Vaughan's Seed Store, New York; John H. Bockman, representing Arthur T. Boddington, New York; P. Van Deursen, Sassenheim, Holland.

A. F. F.

St. Louis.

STOCK ACCUMULATING.

The week ended with a very severe snow storm and Saturday was again a very poor day for transient trade. The market cannot be quoted; everything is plentiful and there is absolutely no demand; even funeral work is slack. Violets and sweet peas are accumulating; violets are quoted as low as five cents per bunch. What the grower realizes is something the least said about the better. The stores are now making quite a show in blooming plants. Ferns are now quoted at \$2.50

—THE—

J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

—

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

—

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Mention the American Florist when writing

Wholesale Flower Markets

CINCINNATI, Mar. 6.

Roses, Beauty.....	per doz., 75@	5 00
		Per 100
" Bride, Bridesmaid.....	3 00@	8 00
" Killarney.....	4 00@	12 00
" My Maryland.....	4 00@	12 00
" Perle.....	4 00@	6 00
" Richmond.....	4 00@	12 00
Carnations.....	2 00@	3 00
Freesias.....	3 00@	4 00
Lilium Giganteum.....		15 00
Lily of the Valley.....	3 00@	4 00
Narcissus.....		3 00
Jonquils.....		3 00
Sweet Peas.....	50@	75
Violets, double.....	50@	75
single.....	50@	75
Adiantum.....	1 00@	1 50
Asparagus Plumosus.....	per bunch.	25
Asparagus Sprengerl.....	per bunch.	25

St. Louis, Mar. 6.

Roses, Beauty, medium stems.....	20 00@	25 00
short stems.....	2 00@	4 00
" Bride, Bridesmaid.....	3 00@	4 00
" Killarney.....	4 00@	8 00
" My Maryland.....	3 00@	10 00
" White Killarney.....	4 00@	8 00
Carnations.....	1 00@	1 50
Callas.....	10 00@	12 50
Easter Lilies.....		10 00
Valley.....	3 00@	4 00
Asparagus Sprengerl.....	2 00@	3 00

per 1,000, and there is a good demand for asparagus and smilax. Callas and Harrissii lilies are quite plentiful.

NOTES.

— Brant of Brant & Noe of Chicago was in the city. He stated that St. Louis has the finest and most complete wholesale houses he had seen anywhere.

Mrs. M. M. Ayres, well known as one of our best floral artists, made a splendid blanket entirely of violets, the arrangement of which was superb.

Harry Schlette, salesman at Geo. H. Angermueller's, is receiving daily mail proposals of marriage. This is leap year.

Mrs. Moss, formerly Miss May Burns, is now located with Otto Sander. Miss Marie, saleslady here, is on the sick list.

The rose show to be given at the next meeting of the Florists' Club at C. A. Kuehn's promises to be a grand affair.

C. Young & Sons have issued their new spring catalogue. They are showing a fine lot of azaleas and primroses.

— Staunton, foreman of J. F. Wilcox, Council Bluffs, Iowa, was delayed here by the heavy snow blockades.

Mike Mitchell has given up his store on Grand avenue and is now located on California avenue.

Harry Young & Son are building up a nice trade on Maryland avenue.

Southern jonquils have made their appearance.

Visitor: Julius Dilloff, representing Schloss Bros., New York. W. F.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1816 Pine St.,
Both L. D. Phones. ST. LOUIS, MO.
Supplies and Everything in Season always on hand

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

THE MUNK FLORAL CO.
Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.
Columbus, Ohio

Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio
Wholesale Growers of
EASTER LILIES, Ferns and
Decorative Greens
Write for prices
Telephone West 562.

C. E. CRITCHELL
34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

St. Patrick's Carnation Fluid.
(For coloring Carnations Green)
Per Qt. \$1.00. Per Pint, 50c
GEO. H. ANGERMUELLER,
Wholesale Florist,
1324 Pine Street, ST. LOUIS, MO.

U S E Budlong's
Blue Ribbon Valley.

MINNEAPOLIS, MINN.—The Garden Club in their successful vacant lot gardening campaign of 1911, planted 325 vacant lots to vegetables or flowers—20,000 square feet to vegetables and 250,000 to flowers. Every vacant lot within two miles of the main street was covered with grass or flowers—600 acres of rubbish were cleared and 20,000 feet of frontage screened with bushy plants. The cost to the club was \$3,584.43, the value of the crop \$11,801.78.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

Cincinnati.

A LARGE OVER-SUPPLY.

The market is more than loaded with stock of all kinds. Locally business is, owing to the advent of Lent, very quiet. This, combined with a large over-supply, has driven prices down to their lowest point for some time. Judging from the way flowers are continuing to arrive, this condition of the market will keep up for some time at least. Roses and carnations are selling best of all. Roses are again coming into crop and there are again enough to go around. The Killarneys and White Killarneys are fine and the offerings in Brides and Bridesmaids are all first class, both in respect to quality and quantity. Richmonds clean up every day. Good American Beauties of all sizes are in demand and sell well. The carnation glut continues and there is small chance of any help at the present time. The flowers are selling in many instances at buyer's prices and few if any bring what they should. Bulbous stock of all kinds is in over-supply and is not moving any too quickly. Tulips and daffodils seem most popular, but lilies have been hit hard. The call for them is small. Violets are receiving scarcely any favor with the buyers. It is only through the street fakirs that any quantities of these are being cleaned up. Their popularity has been replaced by sweet peas and of these only the choice sell quickly. The others ranging from good down to almost nothing sell only after the best are disposed of. The supply of lily of the valley equals the demand. The green goods business is good.

NOTES.

C. E. Critchell reports that the demand for boxwood has been better and has held up longer than in past years. Harrie B. McCullough and family have gone to Florida for a stay. Visitors: Wm. P. Craig, of Robert Craig Co., Philadelphia, Pa.; Wm. Nicholson, Framingham, Mass.; Joseph H. Hill, Richmond, Ind.; Louis Dilloff, of Schloss Bros., New York.

Milwaukee.

STOCK PLENTY. PRICES LOWER.

The market has been in rather a bad state the past week, the stock coming in plentifully and naturally the prices dropped considerably. Carnations are selling from \$1.00 to \$3.00 per 100. There are plenty of roses to fill all orders and an over-supply of bulb stock, sweet peas and violets, which sell for any price that could be obtained. There are plenty of lilies and callas coming into the market, and plenty of greens to supply all orders.

NOTES.

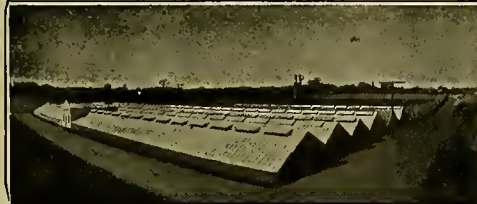
E. Welke Co. is well pleased with their business and have been cutting quite a number of carnations at their greenhouse plant. J. M. Fox & Son are making some fine displays in their windows of late which are attracting much attention. Mrs. John C. Rost was reported as being very ill during the past week, but is somewhat improved. Gust Rusch & Co. are receiving some very fine stock from A. Klokner, Wauwatosa. Holton & Hunkel Co. is receiving plenty of stock and are again cutting fine roses.

GUST. RUSCH & CO.



Wholesale Florists
Jobbers in
FLORISTS' SUPPLIES.

Phone Main 3209. P. O. Box 205.
448 Milwaukee St., Milwaukee, Wis.



**A Good Place to Buy Cut Flowers,
Palms, Ferns**
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Mar. 6.

Roses, Beauty.....per doz.,	1 00@ 5 00
" Killarney.....	5 00@12 00
" Richmond.....	5 00@12 00
" White Killarney.....	5 00@12 00
Carnations.....	1 00@ 3 00
Lilium Giganteum.....	12 50
Lily of the Valley.....	3 00
Paper Whites.....per bunch,	2 00@ 3 00
Snapdragons.....	35@ 75
Violets.....	50@ 75
Adiantum.....	1 50
Asparagus.....per string,	50@ 75
" Sprenger, per bunch,	25@ 35
Ferns, Fancy.....per 1000,	2 00
Galax, green.....per 1000,	1 50
" bronze.....per 1000,	1 50
Smilax.....per doz.,	1 75
Wild Smilax.....per case,	5 00

Edlefsen-Lediger Co. reports business good, with much funeral work.

C. C. Pollworth Co. is cutting from a fine crop of carnations.

Visitors: Miss Rudolph, Manitowoc; Trebilcock, Ishpeming, Mich.

The bowling scores the last week were as follows:

R. Currie..240 124 88	P. Nohos..104 199 179
C. Gutbrod..150 171 164	G. Pohl..164 145 194
G. Hunkel..132 153 162	A. Hare..147 115 155
W. Hall'y..104 156 148	L. Manos..141 121 125
O. Eggeb't..106 123 123	E. Oest'er..87 82 150
G. Rusch..139 179 168	N. Zweifel..143 151 166
R. Leitz..105 120	

Cleveland.

STOCK VERY PLENTIFUL.

Stock of all kinds, grades and varieties is very plentiful, with possibly a scarcity of long-stemmed American Beauties. There is a deluge of callas and Easter lilies, bulbous stock, violets and carnations. Lent and the weather are each partly responsible for a weak demand, even the street fakir refuses to buy at any price. Short roses and carnations for funeral work can be had at very low prices,

Seattle Cut Flower Exchange

909 Post St., SEATTLE, WASH.

Everything in Cut Flowers, Greens, Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

RICE BROTHERS

**Wholesalers of Cut Flowers
and Florists' Supplies.**

Minneapolis, Minn.

and sweet peas are very plentiful. Good freesia, mignonette, calendula, lupines, daisies, etc., sell well, as does lily of the valley. Greens clean up daily. C. F. B.

Houston, Tex.

We are having ideal weather, peach and plum trees are in bloom, and strawberries will be ripe in another week. Trade is good in both plants and flowers, with excellent prospects. There will be but about one-half crop of oranges in the gulf coast country but the truck was never better. Texas is pushing to the front in all horticultural lines and Houston is the Chicago of the south. Y.

ASBURY PARK, N. J.—The Elberon Horticultural Society will hold a flower show in the auditorium, July 3-6.

MUSCATINE, IA.—F. M. Smith & Son have erected four houses 22x100 feet and contemplate adding to the range this year. Cabbage and tomato plants will be raised this spring and the houses planted to carnations in the fall.

Rooted Carnation Cuttings of Mrs. C. W. Ward and Alma Ward

\$3.50 per 100; \$30.00 per 1000. Delivery Feb. 1.

Both varieties are too well known to require any description. Most growers who bought cuttings last spring are growing them successfully. The flowers continue to be in favor with the retail trade and command the best prices. Also almost all the Commercial Varieties on the market today.

THE LEO NIESSEN CO.,

Wholesale Florists,

N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

Philadelphia.

AMERICAN BEAUTIES STILL SCARCE.

Business moves slowly along these days, the demand not keeping up with the supply, which is increasing at a great ratio as the days grow longer. The quality is excellent, the higher grades being all that could be desired. There is only one gap, and that is the American Beauty. The stock of this rose is very short, a dozen choice salable flowers being considered a prize. Growers say that there will be a change soon, and that before long, as the new shoots are setting buds, and the crop promises to make up for lost time. White Killarney and Killarney roses are the leaders. None of the others are in the race with them. Bulbous stock is still very plentiful and cheap. The carnation stock is piling up a bit and prices are away down, particularly on quantity lots. There appears to be an unusually large percentage of blooms with split calices, but the general quality or standard of the carnation has been better this season than ever before and the flower has gained friends among flower lovers. Cattleyas are plentiful and quantity lots are sold much below the ordinary dozen price. Violets are more plentiful and cheaper, although in fairly good demand. Snapdragon is now to be depended on without booking ahead and is a popular flower for table decorations. There is plenty of good lilac.

CLUB MEETING.

The well prepared address on the work of the Pennsylvania State Agricultural college read by Joseph Heacock, and the account of Robert Craig's trip to Porto Rico were the features of the February meeting of the Florists' Club held last Tuesday evening. At the April meeting Alfred Burton will read a paper on soils. Mr. Burton, who is a graduate of the State College, has expert knowledge of this subject, and will give his experience in experiments that he has made in a practical way in his greenhouse work. Mr. Heacock's paper was very instructive and showed the great work that was being carried on by the state, the good results of which were open to all who choose to avail themselves of the information. Mr. Craig, after describing the wonderful climate of Porto Rico, showed how the invasion of the United States had helped the country, which had never before prospered as it has since the Americans have taken hold.

NOTES.

W. K. Harris met with a serious accident during his stay in Porto Rico, he being thrown over the front of an automobile when the steering gear broke. When picked up he was unconscious and remained so for twenty-four hours in a hospital. He now seems fully recovered, although showing the effects of a bad bruise on his head and side of his face. Mrs. Harris, his mother, and others in the car were thrown suddenly forward, but managed to hold on and were not thrown out.

Robert Craig, who returned with Julius Roehrs and Mr. Harris, is full of the beauties and practical advantages of this tropical climate, as a site for a nursery for many of the plants that are grown here in greenhouses.

Wholesale Flower Markets

PHILADELPHIA, Mar. 6.		Per 100
Roses, Beauty, extra.....	60 00	@75 00
" first	30 00	@40 00
" Brides and Maids.....	4 00	@15 00
" Killarney	4 00	@15 00
" White Killarney	4 00	@15 00
" Liberty.....	4 00	@15 00
Callas.....	8 00	@10 00
Cattleyas.....	35 00	@50 00
Daffodils.....	2 00	@3 00
Gardenias.....	per doz., 2 00	@3 00
Lilium Harrisii.....	8 00	@10 00
Lily of the Valley.....	3 00	@5 00
Marguerites.....	75	@1 50
Mignonne.....	3 0	@4 00
Narcissus Paper White.....	1 50	@2 50
Snapdragons.....	8 00	@16 00
Sweet Peas.....	5	@1 00
Tulips.....	2 00	@3 00
Violets, single.....	5	@75
" double.....	5	@75
Adiantum.....	1 00	@1 50
Asparagus.....	per bunch, 50	
Smilax.....	15 00	@20 00

Mr. Craig has had great success with dracena canes, particularly new and scarce varieties, which he had planted on the Isle of Pines, and he sees a greater future for an opening at Porto Rico where cultural methods are far in advance of the Isle of Pines.

The Leo Niessen Co. are solving the problem of handling surplus stock by making special prices on quantity lots in various lines that do not move, so as to induce their customers to in turn run a special sale of this or that flower and increase their business by offering stock at lower than usual prices. It is a good idea and successfully carried out by many in the trade.

Miss Fletcher is now the proprietor of the business of the late D. D. L. Farson at Overbrook and will run it as a branch of her Baltimore avenue establishment. Miss Fletcher is a business woman and will succeed as the new location is in a very good neighborhood for high class trade.

The S. S. Pennock-Meehan Co. are shipping quantities of carnations and other ferns at reduced prices for special sales; one lot of 10,000 carnations was shipped recently to a retailer for a Saturday special.

Berger Bros. are carrying a great stock of Easter lilies and will make a feature of them until after Easter.

The trade heard with regret of the passing away of Thomas Elder, whose death occurred on March 2. K.

Connecticut Horticultural Society.

The meeting of the Connecticut Horticultural Society held February 27 was "Carnation Night," and for a long time, the center tables have not held such a profusion of blooming plants. Besides an abundance of carnations, the collection included cinerarias (hybrida and stellata) and Primula obconica. Peter Fisher, of Ellis, Mass., exhibited his new variegated carnation, Benora, which seems worthy of his appellation of "a gem among carnations." President Huss staged, and waxed enthusiastic over, his numerous blooming plants of Primula malacoides and Primula Kewensis, which are among the rare recent acquisitions from northern China, brought to this country by E. H. Wil-

son. The judges were J. Alfred Weber, of Hartford; George B. Baker, of New Britain; and Walter Angus, of Chapinville. They recommended awards as follows: Certificate of merit to Elizabeth Park, Hartford (A. Cumming, Jr., head gardener), for cinerarias; diploma to J. F. Huss for Primula obconica; diploma to A. N. Pierson, of Cromwell, for carnations; diploma to Peter Fisher for Benora; and certificates of merit respectively to J. F. Huss, William H. MacKenzie of Bristol, and John Coombs, of Hartford (Howard A. Pinney, head gardener), for carnations. Theodore Stout, of Rockville, exhibited one bloom of a new seeding carnation, which the judges deemed A1, but needed more specimens to judge of its value. He was tendered a vote of thanks.

A leading feature of the evening's enjoyment was the address by Walter Angus, on "The Chrysanthemum and Its Culture." He first briefly traced its history to modern times, and then with much clearness and instructiveness outlined its manner of propagation and culture. It was a masterly paper, and was listened to with great attention. He answered questions at the close, especially regarding the insect enemies of this "Golden Flower of the Greeks," as he called it. He received a warm expression of thanks for his address.

The evening of March 8 will be "Cineraria and Cyclamen Night," and we are promised an appropriate address by A. Cumming, Jr., on the most desirable annuals.

The society regrets the passage of a new state law, under which it will hereafter have its annual appropriation of funds from the commonwealth reduced one-half, or approximately from \$200 to \$100. Other incorporated agricultural societies expending much larger sums on premiums will receive relatively larger appropriations; the object of the new enactment evidently being to help the larger organizations more, and the smaller ones less.

GEORGE W. SMITH, Secy.

Pittsburg.

ALL STOCK PLENTIFUL.

Little improvement can be reported over that of last week; all stock is over-plentiful, including American Beauties, which have been exceptionally scarce since New Year's. A few pansies and lupines are now coming in.

NOTES.

Miss Katherine Friel has resigned her position with the Zieger Co., and is now with R. J. Daschbach. Jack Trampton has also severed his connection with the Zieger Co., and has taken a position with the G. P. Weaklen Co.

It is reported that Randolph & McClements expect to combine their two stores into one large one at the corner of Penn avenue and Whitfield street. The old building now occupying that site will be torn down and the erection of the new place started immediately.

The McCallum Co. are receiving large quantities of American Beauties of all grades. J.

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock.

Also Asp. Plumosus Nanus Seed from my own plants. WRITE FOR PRICES.

W. H. ELLIOTT, Brighton, Mass.

Boston.

A GLUT OF EVERYTHING.

There has been a decided chill since ex-President Roosevelt's visit, whether it was the hot air that surrounded the party or a vacuum caused by the swish of the big stick, causing the inrush of a cold wave, wise men can only tell. Of course, it isn't openly stated that his visit caused the glut in the flower trade, but there is a glut and a bad one on everything. W. N. Rudd prepared a paper last month which was read in Detroit, with the title, "Where Some of Us Are Lame." There are some lame ducks in Boston just now. "Talking about gluts," he says, "get a new slogan—How to make gluts profitable." Then he stops. Mr. Rudd is something like the average Scotchman. He tells something and keeps something back. Let Mr. Rudd come to Boston and give a lecture, and take "How to Make Gluts Profitable" for his subject. He will have the greatest gathering of florists and those interested in the flower trade that ever filled a hall. We have been waiting for a philosopher to answer, and the bright star of the west has shown its brilliancy. We need the advice now and need it badly, and the future race of flower growers will revere the name of Rudd and keep his memory ever green, and the present race will crowd round him and pronounce him the "greatest ever." We are glad another Moses has arisen. We are almost ashamed to talk trade—there is scarcely any. An increase in products and a decrease in orders places it in a bad way. Some of the bulb men had the nerve to arrive here last week for orders for delivery next fall. The way bulk stock is going it might tempt the grower to lay in wait with a savage dog for them or put up warning signs to keep them away. One was heard to remark after being presented with the facts of the market: "Never mind, they will buy my bulbs just the same." A salesman of that stamp is worth his weight in diamonds.

NOTES.

W. N. Craig, the sage of North Easton, has been lecturing on beans, etc. He advocates back to the land idea. The Scotch slogan some time ago was three acres and a cow; but friend Craig advises cutting the meat business in half and subsisting on the fruits of the soil. We expect there will be a large demand on the several congressmen for free seeds the coming spring, but Mr. Craig left out the advice, how to grow vegetables in a hot summer without rain.

The full bench of the Supreme Court ruled that a charitable corporation is not exempt from a claim for personal damages for injuries received by an employe. The decision of the Superior Court was reversed, and Tom A. Holder, an employe of the Massachusetts Horticultural Society, was allowed \$2,500 for injuries received in the fall of an elevator in Horticultural Hall.

We hope to have more pleasing news of the market next week. MAC.

CLEVELAND, O.—The Goldwood Greenhouse Co. of Goldwood township, Cuyahoga county, has been incorporated with a capital stock of \$20,000. The incorporators are Henry E. Asplin, William E. Asplin, Burton A. Hartje, Edith C. Hoag, Harvey O. Yoder.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonal stock.

Wholesale Flower Markets

BUFFALO, Mar. 6.		Per doz.
Roses, Beauty, special.....		6 00
" " fancy.....		4 00
" " extra.....		3 00
" " No. 1.....		2 00
" " No. 2.....		50@ 1 00
		Per 100
Bon Silene.....		3 00@ 4 00
Perle.....		5 00@ 8 00
Maid and Bride.....		4 00@ 8 00
Pink Killarney.....		4 00@ 10 00
White Killarney.....		4 00@ 10 00
Richmond.....		5 00@ 12 00
My Maryland.....		5 00@ 8 10
Carnations.....		1 50@ 3 00
Callas.....		8 00@ 10 00
Daffodils.....		2 00@ 3 00
Daffodils, Single.....		2 00@ 3 00
Lilium Longiflorum.....		10 00@ 12 00
Lily of the Valley.....		3 00@ 5 00
Mignonette.....		2 00@ 4 00
Narcissus Paper White.....		2 00@ 3 00
Romans.....		2 00@ 3 00
Sweet Peas.....		50@ 1 00
Tulips, Yellow and White.....		2 00@ 3 00
Violets.....		40@ 60
Adiantum Croweanum.....		75@ 1 50
Asparagus, per bunch.....	35@ 50	
Asparagus Sprengerii.....	35@ 50	

PITTSBURG, Mar. 6.		Per 100.
Roses, Beauty, special.....		30 00@ 40 00
" " extra.....		15 00@ 25 00
" " No. 1.....		10 00
" " Bride, Bridesmaid.....		2 00@ 6 00
" " Chatsenay.....		2 00@ 6 00
" " Killarney.....		2 00@ 6 00
" " My Maryland.....		2 00@ 6 00
" " Richmond.....		2 00@ 6 00
Carnations.....		1 50@ 2 00
Cattleyas.....		50 00
Lilium Longiflorum.....		10 00@ 12 00
Lily of the Valley.....		4 00
Oncidiums.....		3 00@ 4 00
Sweet Peas.....		25@ 50
Violets, single.....		25
" " double.....		50
Adiantum.....		1 00
Asparagus Sprengerl, per bunch.....	35	
sprays.....per bunch.....	35	

BOSTON, Mar. 6.		Per 100
Roses, Beauty, best.....		25 00@ 60 00
" " medium.....		15 00@ 20 00
" " curls.....		2 00@ 4 00
" " Bride, Bridesmaid.....		2 00@ 6 00
" " Extra.....		6 00@ 12 00
" " Killarney and Richmond.....		4 00@ 20 00
" " My Maryland.....		4 00@ 20 00
" " Carnot.....		6 00@ 12 00
Carnations, select.....		2 00@ 3 00
Callas.....		8 00@ 12 00
Cattleyas.....		35 00@ 50 00
Gardenias.....		20 00@ 25 00
Lilium Longiflorum.....		8 00@ 12 00
Lily of the Valley.....		2 00@ 4 00
Narcissus, yellow.....		1 00@ 3 00
" " white.....		1 00@ 3 00
Sweet Peas.....		25@ 50
Smilax.....		12 00@ 16 00

Worcester, Mass.

A new corporation to be known as the Pine Croft Greenhouses of North Brookfield has been organized under the laws of Massachusetts, with a capital stock of \$30,000. The officers are: Howard S. Hill of East Brookfield, president and treasurer; Walter E. Clark, Worcester, clerk, and Howard C. Webb of Worcester, third director.

Leonard C. Midgley's carnations look exceptionally good, especially his scarlet seedling, of which he has a large stock. He intends to put it on the market next year. While it is not quite as large as Beacon, the stem is as good and the color a good deal better.

At the meeting of the Worcester County Horticultural Society, held February 29, John K. M. L. Farquhar of Boston, one of the most prominent seedsmen of the state, delivered an



Give us a Trial We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists. BUFFALO N. Y. Florists' Supplies and Wire Design.

Mention the American Florist when writing

WHITE and LAVENDER LILAC and BEAUTIES

We are handling quantities at very reasonable prices. Also a full line of all other flowers, including Freesia, Mignonette, Pansies, Lupins, Daffodills, Double Pink Killarneys and Hilda Roses.

McCALLUM CO., Pittsburg Cleveland

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Charles H. Tolly

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty. Mention the American Florist when writing

illustrated lecture on "Where Seeds Come From."

After defeating H. F. Littlefield's bowling team four matches out of five, and the Adams Express Co. team four out of five, H. F. A. Lange's bowling team was defeated by the Central Grocery team February 27 by 30 pins.

H. F. Littlefield's White Winsor was a mass of bloom in February. R.

MADISON, N. J.—The severe wind storm of February 22 caused much damage to greenhouse property. About 300 feet of W. S. Schultz's houses were razed and the ventilators torn off the houses of T. W. Stemler, allowing the hail to enter the houses and ruin the plants.

NEW YORK

NOTICE

BOSTON

Consignments Solicited

Our New Store, 46 West 26th St, New York City, is now open with a full line of Cut Flowers from the very best growers. Our specialties are: **ROSES**, Aaron Wards, Waddells, Tafts, Cardinals, Killarneys, Marylands, Richmonds and Beauties. **CARNATIONS**, All Standard Varieties; **Jonquills, Narcissus, Paper Whites, Hyacinths, Valley, Violets, Orchids, Gardenias, Easter and Calla Lilies**. We are in an excellent position to fill orders at a moment's notice. Our motto is: "A square deal to both retailer and grower." Our shipping facilities are unsurpassed, as we make a specialty of shipping flowers to all parts of United States and Canada. We strive to please. A trial order will convince you.

A full line of **Florist Supplies** and **Hardy Cut Evergreens** always on hand.

Best Quality. Lowest Prices. Prompt Service. Wire, Write or Telephone.

HENRY M. ROBINSON & CO.

Wholesale Commission Florists, Dealers in Hardy Cut Evergreens,
Importers and Manufacturers of Florist Supplies,

46 West 26th St., New York City

New York.

MARKET INACTIVE.

The wholesale cut flower market is probably in as an inactive condition as it has ever been at this season of the year, and there is an over-supply of almost everything. American Beauty roses which were in short supply at high prices, are now very much in evidence and moving slowly at much lower figures. The top grade of Killarneys, Mme. Chateaus, Richmond, My Maryland, Prince de Bulgarie and other roses, which were in active demand a short time ago, are now much more abundant and prices are lower. Brides and Bridesmaids are accumulating and the best of these are seldom called for, and have to be disposed of at greatly reduced prices. The market is glutted with high-grade carnations. It would be an impossibility to make special quotations on even the novelties and high-grade blooms, as they are moving slowly. With orchids the situation is somewhat different, as the finer blooms are finding a more ready market. Gardenias are scarce and the demand is good. Bulbous stock and lily of the valley are selling much better; there is no change in the price of tulips and narcissi. Lilies are selling for all kinds of prices, but it must be remembered that there are all qualities of lilies in the market, and while those that are long-stemmed, with good flowers, sell readily, the short-stemmed have to be cleared out at about half the price of the regular values. It would be difficult to mention anything that is in short supply with the exception of gardenias. Violets are over-abundant. Sweet peas, lilac and mignonette are in sufficient supply to satisfy all demands. Asparagus and smilax are moving slowly, but the quotations on greens do not vary very much from week to week.

NOTES.

The interesting event of the week was the "Greek-American" Florists' Association ball held at the Terrace Garden on Wednesday. E. J. Polykranis, the president of the society, deserves much credit for the manner in which the affair was carried out. There was an attendance of over 23,000. Nicholas Christatos had charge of the decorations and they were a noteworthy feature of the occasion. The trade in all lines was well represented, all of the wholesalers being present. Too much praise cannot be given to the officers and committees for the generous manner in which they entertained their guests. Among the visitors were Frederick Marquardt, president New York and New Jersey Plant Growers' Association; Frank H. Traendly, vice-president American Rose Society, and Philip Einsmann, vice-president of the New York Florists' Club.

P. J. SMITH, Successor to
John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR
LARGEST GROWERS
The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by
the 100 1000 or 10,000. Consignments Solicited.
Telephones, 1328. 1998 Madison Square
49 West 28th Street **New York City**

At the next meeting of the New York Florists' Club, which will be "Rose and Orchid night," Wallace R. Pierson of Cromwell, Conn., will read a paper on "Roses." Displays of orchids will be made by Julius Roehrs Co., Rutherford, N. J., and James Goodier, gardener to Charles Roebing, Trenton, N. J.

James Pettigrew and wife were found dead in their apartment, asphyxiated accidentally by illuminating gas. Mr. Pettigrew was a well known figure in the flower business in New York, being associated for years with the late C. W. Matheson at 673 Sixth avenue.

The dinner committee are much pleased to know that Patrick O'Mara will serve as toast master on the occasion of the club's 25th anniversary at the Park Avenue Hotel, March 23. Mr. O'Mara evidently could not resist being with the "bunch."

"Charlie" Millang was a visitor to the market during the past week. It will only be a short time before he is back on the "job." He is still very weak and somewhat upset as a result of the serious automobile accident.

The annual spring inspection trip of the New York and New Jersey Association of Plant Growers will take place Thursday, March 7, when the members will travel from place to place in automobiles.

Traendly & Schenck will disseminate the new carnation, Salmon Beauty, introduced by F. B. Abrams, Bluepoint, L. I., and are much pleased with the impression this carnation has already made.

Ralph Voight of Chatham, N. J., met with a very serious automobile accident at his place on February 26. The machine ran off the bank and Mr. Voight had his leg broken.

Maurice L. Glass, formerly of A. Moltz & Co., will open in the wholesale business March 9 at 116 West Twenty-eighth street, in the store of J. J. Felouris Co.

Robert M. Schultz, Madison, N. Y., is confined to his home with rheumatism and would appreciate a call from any of his friends who are in the vicinity.

Wm. Nicholsh of Framingham, Mass., is in town, returning from a visit to Chicago and to his daughter in La Fayette, Ind.

Horticulture and the local societies have lost a good patron in the death

VIOLETS

Buy your Violets

direct from a

Large Grower

60c per 100. Best Stock.

Telephone and Telegraph Connections.

J. VONDER LINDEN,
Rhinebeck, N. Y.

of W. Bayard Cutting, who was an honorary member.

J. K. Allen is receiving a fine lot of lilies, sweet peas and large shipments of double stocks of the finest quality.

Visitors: Charles H. Vick and Geo. B. Hart, Rochester, N. Y. Y.

Tarrytown Horticultural Society.

The regular monthly meeting of the Tarrytown Horticultural Society was held on Tuesday evening, February 27. President Wittlinger in the chair, and a good number of members present. The prize offered by J. W. Smith for the best vase of roses was awarded to A. Weeks for a fine vase of My Maryland. W. Scott read an interesting and instructive essay on how to grow chrysanthemums for exhibition, which was greatly appreciated by the members present and was accorded a hearty vote of thanks. At the next meeting, to be held March 26, it was decided to hold a smoker, and a cordial invitation will be extended to the neighboring societies. A social and enjoyable evening is assured and a delegation from each is expected. G. M.

SAN MATEO, CALIF.—A shipment of 1,500 rare orchids, gathered largely in the Philippines and Central America and valued at \$10,000, was recently shipped by a firm here to be added to the collection of King George, the Duke of Westminster and the Duke of Sutherland. Preliminary shipping tests proved very successful.

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Roses, Beauty, special.....	40	00@250 00
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" Brides, Bridesmaid, special.	6	00@ 8 00
" extra and fancy.....	4	00@ 6 00
" No. 1 and No. 2.....	1	00@ 2 00
" Killarney, My Maryland..	8	00@12 00
" extra and fancy.....	6	00@ 8 00
" " No. 1 and No. 2.....	1	00@ 2 00
" Richmond.....	1	00@ 8 00
Carnations.....	40	00@50 00
Cattleyas.....	1	00@ 3 00
D. Formosa.....	25	00@40 00
Freezia.....	1	00@ 1 25
Gardenias.....	10	00@40 00
Lilies, Longiflorum and Hardtail..	4	00@ 8 00
Lily of the Valley.....	2	00@ 4 00
Oncidium.....	5	00@10 00
Sweet Peas... per doz, bunches.	1	00@1 25
Violets.....	20	@ 60
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RLAND CO.,

DES PLAINES, ILL.

"Everybody's Flower."

CONTINUED FROM PAGE 356.

the public that even if the legitimate florist could meet the fakir's price the majority of people would not want them. This is particularly true when they can be purchased on the streets. Customers will look in disdain at the choicest carnation and remark: "No, thanks; no carnations for me. My friends may think I bought them on the street." In this way, gentlemen, has the value of the carnation suffered and the remedy lies in our hands. The argument has been advanced that many of the blooms sold on the streets find their way into the homes of people who are not in the habit of buying flowers, and their liking for nature's messengers is consequently stimulated. This is true to some extent, still, if these same people could be induced to come into a flower store and perhaps for a few cents more buy perfectly fresh carnations, properly done up, is it not reasonable to believe they will be still more apt to become flower lovers?

When there is a glut of carnations why not sell them to the retailer, who is your or your commission man's customer for three hundred and sixty-five days each year, at a low figure, say from fifty cents to one dollar per hundred, or at the same price the fakir pays? You will say the latter buys thousands at one time; true enough, but only when he can buy at a loss to the grower. When you are selling at a profit it is the storeman whom you sell; in fact, you are dependent on the legitimate retail flower merchant for your profits. Then why not assist the latter in upholding the standard of the carnation? Make it possible for him to send to his customers occasionally two or three dozen carnations gratis, the grower to bear part of the expense, for you will surely share in the profits as the results of such advertising. Right here occurs to me a suggestion from Mr. Elberfield of Kansas City. His idea being to advertise, that with each one dozen sold another dozen will be sent free of charge to some friend of the buyer. By selling them at fifty cents per dozen at this time you are really not cheapening the flower, but merely giving a few away. Mr. Elberfield's contention is that this will result in two sales eventually as the party receiving the flowers will want to reciprocate. Any such schemes will tend to relieve a glut without injuring our business.

My suggestions for partially relieving a glut may be rather vague fancies, appreciating the fact that the surplus in this city (Detroit) is naught when compared with the hundreds of thousands of carnations, violets and roses for which the commission man in New York or Chicago must each season find an outlet. Still the proportion of first class stores in those cities is correspondingly greater and I am sure a concentrated effort by grower, commission man and retailer combined would at least help some. The trouble is that there is too much animosity between the two factors. It would certainly be to the advantage of both if more harmony and more of an exchange of ideas existed. If only the producer of our wares were to enlist his services in a retail store for one season and there meet face to face the final consumer



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bale.....\$2.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood,.....per pound 20c; 50 pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket, \$2.25; 6 baskets, \$2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

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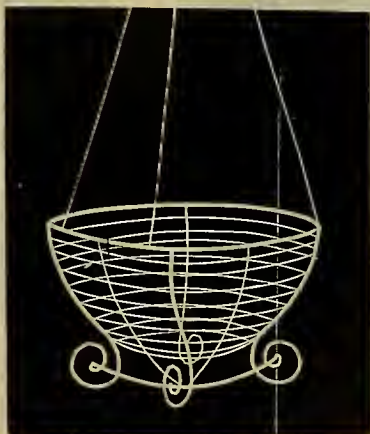
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SUPERIOR HANGING BASKETS
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SEND FOR CATALOGUE. Get prices of me before placing your order.

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Wholesale and Retail Dealers

In all kinds of
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Ferns, Bronze and
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Wild Smilax & Leucothoe Satisfaction Guaranteed
J. E. PINKSTON, Louisville, Ala.
Telegraph Office, Abbeville, Ala.

of the products of his thousands of square feet of glass I am positive he would be well repaid for his trouble.

As a final suggestion I would say: Do not resort to any more pickling of stock than is absolutely necessary. Nothing will so prejudice people against a certain kind of flower than the fact that it will not last long and pickled carnations or any other pickled flower will positively not last. Rose, violet and chrysanthemum growers will also please note these last remarks.

We Are Now Making Shipments of

Southern Wild Smilax
Caldwell the Woodsman Co.

Everything in Southern Evergreens.

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We Are Now Booking Orders for

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Shipment commencing Sept. 1st.

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- Boston—Hoffman, 59-61 Mass. Ave.
- Boston—Penn. the Floral, 43 Bromfield St.
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- Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
- Buffalo, N. Y.—S. A. Anderson, 440 Main.
- Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
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- Chicago—Canger & Gormley.
- Chicago—A. Lange, 25 E. Madison St.
- Chicago—Schlier The Florist, 2221 W. Madison
- Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
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- Cleveland, O.—The J. M. Gasser Co.
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- Dayton, O.—Matthew, 16 W. 3rd St.
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- Denver, Colo.—The Park Floral Co.
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- Grand Rapids, Mich.—Grand Rapids Floral Co.
- Grand Rapids, Mich.—Henry Smith.
- Indianapolis—Berterman Bros. Co., 241 Mass. St.
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- Kansas City—Samuel Murray.
- Kansas City—Wm. L. Rock Flower Co.
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- New York—M. A. Bowe.
- New York—D. Clark & Sons, 2139 Broadway.
- New York—Dand, 44th and Madison Ave.
- New York—Alex. McConnell, 611 5th Ave.
- New York—Charles Habermann.
- New York—Myer, Florist, 609 Madison Ave.
- New York—Frank Valentine, 158 E. 110th.
- New York—Young and Nugent.
- Omaha, Neb.—Hess & Swoboda, Farnum St.
- Philadelphia—Robert Kirt, 1725 Chestnut.
- Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
- Poughkeepsie, N. Y.—The Saltford Flower Shop.
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Send us your retail orders.

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HIGH GRADE OF FLOWERS.

Phones } Central 5196 All orders are very
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Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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Cut flowers and design work of the highest class delivered to your customers here, or anywhere in the west, mail or wire. Usual Trade Discount.

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CUT FLOWERS AND PLANTS.

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Regular discount allowed on all orders, either
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To out-of-town florists

We are in the Heart of NEW YORK

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

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The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

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Order Your Flowers for delivery in this section from the

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Geo. M. Kellogg
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1122 Grand Ave. Will fill all orders for Cut
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Mutual discounts, 20 per cent.

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**Artistic Designs.
High Grade Cut Blooms.**

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Will execute orders for any
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WILLS & SEGAR,

Royal Exotic Nursery,

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FLORISTS TO HIS MAJESTY THE KING.

We shall be glad to carry out commissions from our American confreres to deliver Cut Flowers, Floral Baskets, Floral Designs, Baskets of Choice Fruit, Etc., to American visitors in any part of Great Britain.

Cablegrams — "FLOSCULO, LONDON."

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Robert Kift,

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Personal Attention to all Orders.

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IN THE HEART OF NEW YORK CITY.
Phone 6404 Madison Sq. 12 West 33d St
Our Motto—THE GOLDEN RULE

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16 W. 3rd Street.

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

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KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniela, Denver"

THE J. M. GASSER COMPANY,

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We Cover All Points in Ohio.



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Send flower orders for delivery in

Boston and all
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To THOS. F. GALVIN, Inc.,
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We solicit telegraph orders. Regular trade disc.
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All orders receive prompt attention. Choice
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Will take proper
ycare of your orders in Wisconsin

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Orders will be carefully
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ALFRED HANNAH & SONS. Will fill your
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Established 1849

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Prompt and careful attention to orders
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Prompt and careful attention to orders from out-
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Will fill your orders for designs and cut flowers in
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EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
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Canada's best known and most reliable florist

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Best Dunlop's

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We deliver anywhere in Canada and guarantee
safe arrival.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

ONION SETS have advanced 15 to 20 cents a bushel the past week, with yellow scarce.

HOLLISTER, CALIF., telegram of March 6 indicates some conditions, probably rain, by which all the seed crops will be benefited.

CHICAGO.—Prices on the Board of Trade, March 6, for grass seed were noted as follows: Timothy, \$11 to \$15 per 100 pounds.

ACCORDING to a prominent western dealer, the frost injury to seed corn has been such that many varieties will be at a premium.

TUBEROSE bulbs are scarce in Holland, where the largest American shipments go, because of frost injury enroute and somewhat reduced deliveries.

ONE wholesale western seed house is reported to have sold out their Alaska peas at \$7.50 and Horsfords at over \$8.00 per bushel, of the past season's crop.

FIRST sized bulbs of leading named kinds of gladiolus, as well as high grade, pedigreed mixtures of the same, have sold well and stocks will hardly last the season out.

PRESIDENT LEONARD H. VAUGHAN of the American Seed Trade Association held an average score of 193 March 6 in the tournament of the American Bowling Congress in progress at Chicago this week.

SAN FRANCISCO, CALIF.—The many friends of Frank Pelicano will be sorry to hear that he has had such a bad attack of rheumatism that he has had to go to the springs for a few weeks to recuperate.

LOS ANGELES, CALIF.—George Shima is reported as having cornered the potato market. He owns vast acres of potato producing land in California and has secured option on other large tracts, and his operations have extended, it is stated, into Oregon.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Mention the American Florist when writing

LENGTHY articles deploring a seed famine are appearing in many newspapers, stimulated in part perhaps by the "scare" talk in some seed catalogues. We believe such publicity injurious to the seed business and regret to see it.

French Bulbs.

Latest advices regarding French bulbs in the south of France are as follows: It is very likely that the Syndicate for the Defense of Agricultural Interests will try to maintain the same prices as last year. However, should the weather be favorable and the crop good a decline of a few francs on the Paper Whites may be expected in the course of the campaign or towards the end of the season, but the present outlook does not enable dealers to depend with any certainty on such possible reductions.

Figuring Costs.

At this time of the year when seedsmen are arranging the prices of seeds, etc., for the coming season, a few remarks on the subject of costing may not be out of place. The question of what amount is to be added to the cost price to cover "Fixed charges" (or indirect expenses) before the trader can arrive at the selling price, is one which ought to receive most careful attention. In these days of keen competition when the tendency is to cut prices, it too often happens that by adopting a rule-of-thumb method when giving a quotation, the trader simply adds to the cost price a very small and totally inadequate percentage to cover these charges. In nine cases out of ten he has sold the goods too cheaply, with the result when frequently repeated, the consequences are disastrous.

The writer had the opportunity some time ago of examining the tenders for the supply of garden seeds to a large public institution, and was surprised to find firms quoting prices that were anything from 25 to 60 per cent below the prices of others, and to the same man of business it must be evident that a large proportion of the firms are quoting prices that will show a heavy loss.

It should be borne in mind that not only when reduced prices are quoted but in ordinary competitive trading it is important that the trader should know his indirect expenses, or establishment charges as they are sometimes called.

Current selling prices tend to be—

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California



Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

come established, and the difference between this and the total cost of executing the orders is the margin left to the individual trader, it may be greater or less than that realized by his competitors, according as his methods are inexpensive or the reverse.

In a purely selling business the cost price of an article is always a known quantity, and it is therefore the expensive item that baffles the retailer. The fact that every expense of a business comes out of the profit should not be overlooked. The difference between the cost of an article and the selling price is the gross profit. Out of that has to come the expense and what is left is the net profit.

HOW TO ARRIVE AT THE SELLING PRICE.

Figure out your total expense for the year (this amount can easily be ascertained by referring to the profit and loss account). Divide this by the total of your sales for the same period, and you have the per cent to add to invoice price to cover expense, then add your profit and you have the selling price. As an example, if your total turnover for the year is £50,000 and your management and all other expenses for the year is £5,000, then you must add 10 per cent to the cost price in addition to what you put on for profit. In figuring out the expense it should be noted that every business has, more or less, a number of accruing and unpaid charges which are only passed through the books periodically (usually when paid). For example—rent, rates, insurance, commissions, depreciation, interest on loans, water, light, etc. It is, of course, essential that all expenditures whether disbursed or not should be included.

The profits that can be obtained on different classes of goods naturally vary, and it is sometimes, therefore, not advisable to debit an equal percentage for establishment charges to each department, but a suitable percentage should be arranged for each, taking care that the total is spread over the business. For instance, to charge the same amount in this respect to grain as to garden seeds would make the sale of the former prohibitive.—J. L. in the Horticultural Advertiser.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Mention the American Florist when writing

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.

Mention the American Florist when writing

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO, CALIFORNIA



New Davis Perfect.

grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

FREMONT. . . . NEBRASKA

Wanted

"BERMUDA" ONION SEED of 1911 crop.

WHITE or CRYSTAL WAX.

Address "SOUTH," care American Florist.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

THE

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

BEANS, PEAS, RADISH

and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE

Write for Prices.

Japanese Genuine Lily Bulbs.

We book orders now. Don't miss it. The stock we offer is grown for American trade and strictly choice, high-grade. Write for price list for 1912. Specialists in all kinds of Japanese Lily Bulbs.

S. MIYAKE & CO., 1020 Main St., SEATTLE, WASH.

A GOOD INVESTMENT.

Grow Cold Storage Lilies

For price and good quality write

C. C. POLLWORTH CO.,

Milwaukee

VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries and Export Trade.

HILLEGOM, HOLLAND,

Wholesale growers of the leading sorts of Hyacinths, Tulips, Narcissus, Crocus, Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, Mr. G. HYLREMA, care of Messrs. Maltus & Ware, 14 Stone St., New York, for Catalogue and Special prices of all

HOLLAND BULBS AND PLANTS.

TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples of

THE SEED TRADE REPORTING BUREAU

Postal Telegraph Building, CHICAGO.

Asparagus Plumosus Plants

2½-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building. PHILADELPHIA, PA.

—FOR—

SEEDS

OF ALL KIND APPLY TO

W. W. JOHNSON & SON, Limited Boston, England.

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Onion Sets

FANCY RECLEANED HAND PICKED

Prime Recleaned Yellow Sets, \$1.50 per bu.

Choice Recleaned Yellow Sets, \$1.75 per bu.

Fancy Seived through ¾ inch mesh, \$2.00 per bu.

Prime Recleaned Silver Skin, \$1.50 per bu.

Choice Recleaned Silver Skin, \$1.75 per bu.

Fancy Seived through ¾ in. mesh, \$2.00 per bu.

We reclean and hand pick all Sets before shipping. A trial order will convince you of the superior quality of our Sets.

J. Bolgiano & Son

Almost 100 Years' Established Trade Wholesale Seedsmen, BALTIMORE, MD.

Surplus Stocks of

L. Multiflorums, 7-9 in.

—Write for Prices—

YOKOHAMA NURSERY CO.

31 Barclay St., NEW YORK

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, COSMOS and other Flower Seeds.

Budding Knife Free. See Page 353.

Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

ROUTZAHN SEED CO.

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Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Lawn Grass Seed

WHOLESALE ONLY.

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1876 Milwaukee Ave., **CHICAGO**

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verhena in variety. Correspondence Solicited.

S. D. WOODRUFF & SONS,

ORANGE, CONN. NEW YORK CITY.

Seed Growers and Importers.

Specialties: Beet, Carrot, Sweet Corn, Peas, Beans, Onion Sets and Seed Potatoes. Catalogue free. Quick freight shipments from New York, via rail or steamer to all parts of the U. S.

CHOICE

German Flower Seeds

Catalogue free on application.

FREDERICK ROEMER,

Seed Grower, **QUEDLINBURG, GERMANY**

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn. Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

SEEDS

Best that grow. We sell direct to gardeners and florists at wholesale. Big beautiful catalogue free. Write today. **ARCHIAS SEED STORE, Box 52, Sedalia, Mo.**

Asparagus Plumosus Nanus Seed.

NORTHERN GREENHOUSE GROWN.

Of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, **60c**; 250 seeds, **\$1.25**; 1000 seeds, **\$3.50**; 5000 seeds at **\$3.25** per 1000.

Vaughan's Seed Store,

CHICAGO.

NEW YORK.

CANNAS

Guaranteed true to name. Two to three strong eyes.

	Per 100	Per 1000
4000 Chas. Henderson.....	\$1.75	\$15.00
1000 Capt. Drugeon, best yellow....		15.00
1000 Duke of Marlborough.....		18.00
1000 Egandale.....	2.00	18.00
400 Alsace.....	1.50	
500 Louisiana.....	2.00	
250 Buttercup.....	2.00	
300 Mephisto, the most beautiful dark crimson Canna.....	4.00	
300 Florence Vaughan.....	2.00	
200 New York.....	3.00	
200 Pennsylvania.....	1.50	
250 Richard Wallace.....	2.50	
100 Grand Chancellor Bulow.....	2.50	
200 Mme. Berat (Pink).....	1.50	

W. W. Coles, Kokomo, Ind.

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS, Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

Mention the American Florist when writing

GLADIOLI

Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Brenchleyensis, Etc.

Lilies, Summer Flowering Bulbs and Hardy Plants.

E. S. MILLER, Wading River, N. Y.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

Onion Seed==Onion Sets

We Are Extensive Growers and Dealers.

Write for prices on the 1911 crop. We are also submitting contract figures for the 1912 crop of Onion Seed.

SCHILDER BROS., Chillicothe, O.

Mention the American Florist when writing

TUBEROSES Dwarf Pearl.

1st size.....\$1.10 per 100; \$9.50 per 1000

Caladiums

5-7-inch.....\$2.00 per 100
7-9-inch.....3.50 per 100
9-11-inch.....6.00 per 100

BEGONIAS

Single, mixed colors, \$2.00 per 100; \$20.00 per 1000
Double, separate colors 4.00 per 100; 35.00 per 1000

Gloxinias Separate colors, \$3.50 per 100; \$30.00 per 1000

A. HENDERSON & CO.

30 E. Randolph St., **CHICAGO**

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomdale Farm. Bristol, Pa.

Mention the American Florist when writing

CURRIER BULB CO.

Wholesale Growers of

Bulbs and Plants

SEABRIGHT, CAL.

Gladiolus and Calla Lilies a specialty. Large stock of American Gladiolus.



H. WREDE, LUNEBURG, GERMANY PANSY SEED

178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles. 1000 seeds, finest mixed....25c 1 oz. \$2.25

Price list on application. Cash with order.

Mention the American Florist when writing

IF IT IS

Water Melon and Musk Melon Seeds

Get them from

J. FRANK CORRY,

Contract Grower, **ENID, OKLAHOMA.**

Complete Delivery by Oct. 15, 1912.

Boddingtons Quality Cannas.

Are true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick. The Canna crop this year, however, is very short, and we advise placing orders early to secure stock. Delivery can be made at purchaser's option.

Red-flowering, Green Foliage Cannas

	Per 100	Per 1,000
A. Bouvier, 5 ft.....	1.75	15.00
Alice Roosevelt, 4 ft.....	3.75	35.00
Black Prince, 3 to 4 ft.....	2.75	25.00
Charles Henderson, 4 ft.....	2.00	17.50
Duke of Marlboro, 4½ ft.....	2.00	17.50
Explorateur Crampbell, 5½ ft....	2.00	17.50
President Cleveland, 3 ft.....	2.25	20.00
President McKinley, 2½ to 3 ft....	2.25	17.50
President Meyer, 4 ft.....	3.50	30.00

Pink-flowering Cannas

	Per 100	Per 1,000
L. Patry, 4½ ft.....	\$2.25	\$17.50
Louise, 5 ft.....	2.25	17.50
Mlle. Berat, 4½ ft.....	1.75	15.00
Venus, 3½ ft.....	4.25	40.00

White and Cream Shades

	Per 100	Per 1,000
Alsace, 3½ ft.....	\$1.75	\$15.00

Orchid-flowering Cannas

	Per 100	Per 1,000
Allemannia, 4 to 5 ft.....	\$1.75	\$15.00
Austria, 5 ft.....	1.75	15.00
Indiana, 3 to 4 ft.....	2.00	17.50
Italia, 4½ ft.....	1.75	15.00
Philadelphia, 5 ft.....	2.75	25.00

Orange Shades

	Per 100	Per 1,000
Wyoming, 7 ft.....	\$2.25	\$20.00
Pennsylvania, 5 ft.....	1.75	15.00

Red, Gold-edged; Spotted and Yellow Cannas

	Per 100	Per 1,000
Duke of York, 4 to 5 ft.....	\$5.50	
Evolution	2.75	\$25.00
Gladiator, 4 ft.....	2.75	25.00
Golden King, 5 ft.....	2.75	25.00
Jean Tissot, 5 ft.....	2.25	20.00
Niagara, 3 ft.....	2.75	25.00
Mad. Crozy, 5½ ft.....	2.75	25.00
Queen Charlotte, 3½ ft.....	3.75	35.00
Premier, 2½ ft.....	3.75	35.00
Souv. de A. Crozy, 4 ft.....	2.75	25.00

Yellow Shades

	Per 100	Per 1,000
Florence Vaughan, 5 ft.....	2.25	20.00
Richard Wallace, 4½ ft.....	2.75	25.00

Bronze-leaved, Red-flowering Cannas

	Per 100	Per 1,000
King Humbert, 4 ft.....	4.00	
Leonard Vaughan, 4½ ft.....	2.75	25.00
Musafolia, 3 to 5 ft.....	2.25	20.00
Robusta, 6 to 8 ft.....	2.00	17.50
Shenandoah, 6 ft.....	2.00	17.50

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Cnna business.

Our Cannas are true to name—two and three, sometimes four eyes—are sound, dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at a thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Write for special prices for quantities.

If any Cannas are not found here, it may be understood that they are superseded by the foregoing. If selection is left to us, we will substitute or send only the best for all purposes.

All the Above Cannas Sold F. O. B. New York or Chicago.

Chicago and Western Agents for Our Cannas, ONLY:

WINTERSON'S SEED STORE, 166 North Wabash Ave., Chicago.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street, NEW YORK CITY.

The New Carnation, **BROOKLYN**

A Reincarnation of the old William Scott, but embodying additional and more important qualities

THE NEW "HELEN" PINK A beautiful Deep Pink after the style of the old William Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation, Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit" Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber
GROWER,
Lynbrook, Long Island, **New York**

R. G. WILSON
Fulton Street and Greene Avenue
BROOKLYN, N. Y.

CHAS. H. TOTTY
Madison, N. J.

Asparagus Plumosus and Sprengeri, 3-in. pots \$4.00 per 100.
Daisy (new), Mrs. F. Sanders, 2½-in. pots, \$5.00 per 100.
Ivy, English Hardy, 4-in. pots, \$1.00 per dozen; 3-in. pots, \$4.00 per 100.
Passiflora Cœrulea and Pfordii, 3-in. pots, \$4.00 per 100.
Geraniums, Rose and Nutmeg, 3-in. pots, \$3.00 per 100.
Clematis, large-flowering varieties, red, white and blue, 5-in. pots, \$2.00 per dozen; extra strong 6-in. pots, \$3.00 per dozen.
Daisies, Paris, white and yellow, 3-in. pots, \$3.00 per 100.
Smilax, 3-in. pots, \$4.00 per 100.
Swainsona Alba, 2½-in. pots, \$3.00 per 100.
Stock from 2½-in. pots, \$2.50 per 100: **Abutilon Savitzi**; **Heliotrope**, blue; **Cupheas**; **Asparagus Sprengeri**; **Ageratum** blue; **Geraniums**, Rose and Nutmeg; **Salvia Bonfire**; **Alyssum**, dbl., white; **Lobelia**, single, blue.
Rooted Cuttings, \$1.00 per 100, by mail prepaid: **Fuchsias**, 4 varieties; **Salvia Bonfire**; **Parlor Ivy**; **Hardy English Ivy**; **Cupheas**; **Ageratum**; **Rosemary**; **Euonymus**, golden variegated; **Santolina**; **Lobelia**, single, blue.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

ROOTED CUTTINGS

Prepare NOW for Spring. NOW is the time to buy the cuttings. They are good now. If you wait until late Spring you cannot get as good. Our cuttings now are grand, and will make the price as follows for a few weeks: **VERBENAS**, 60c per 100; \$5.00 per 1000. **SALVIAS**, 80c per 100; \$7.00 per 1000. **COLEUS**, 70c per 100; \$6.00 per 1000. **GIANT DBL. ALYSSUM**, 80c per 100. **AGERATUMS**, 60c per 100; \$5.00 per 1000. **PETUNIAS**, \$1.25 per 100; \$10.00 per 1000. **PELARGONIUMS**, \$2.50 per 100; \$22.00 per 1000. **HELIOTROPE**, 80c per 100; \$7.00 per 1000. **DAISIES**, \$1.00 per 100; \$8.00 per 1000. **FEVERFEW**, true little gem, (no dog fennel) \$1.00 per 100; \$9.00 per 1000.
Express paid. Cash with order.

S. D. BRANT, Clay Center, Kansas

Ferns.

4-inch heavy stock, \$12.00 per 100.
Boston, Barrowal and Elegantissima; also 2¼-inch Boston, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio

Alternantheras.....

Strong, well rooted cuttings, the kind that will please you.

P. Major, red.....50c per 100; \$4.00 per 1000
A. Nana, yellow.....50c per 100; 4.00 per 1000
Brilliantissima.....60c per 100; 5.00 per 1000

J. W. DAVIS, 225 W. 16th Street, Davenport, Iowa

Carnation Novelties

We can still quote March delivery on "Wodenethe" and "Brooklyn," at \$12.00 per 100; \$100.00 per 1000. Delivery on "Wodenethe" March 20th.

It will pay you to come and see these two varieties growing.

Still booking orders for

"SUNBURST,"

The Grand New Yellow Rose.

\$30.00 per 100; \$250.00 per 1000, own root.
Grafted plants, 5c extra.

By the way, our catalogue was mailed you. Did you receive it? If not, we will only be delighted to send you another.

CHAS. H. TOTTY, Madison, N. J.

Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

Roses.

Ramblers, Hybrid Teas, Hybrid Perpetuals, Dwarf Polyanthas, Standards and Half Standards.

Rhododendrons.

18-24 inches, well budded, named varieties, forcing stock, as well as kinds for outdoors, \$40.00 per 100.

Lily of the Valley.

Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.

TELL US YOUR WANTS.

Jackson & Perkins Company,

Nurserymen and Florists (Wholesale only), Newark, Wayne Co., New York

ROSES and ROSES

Spring Price List Ready.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Mention the American Florist when writing

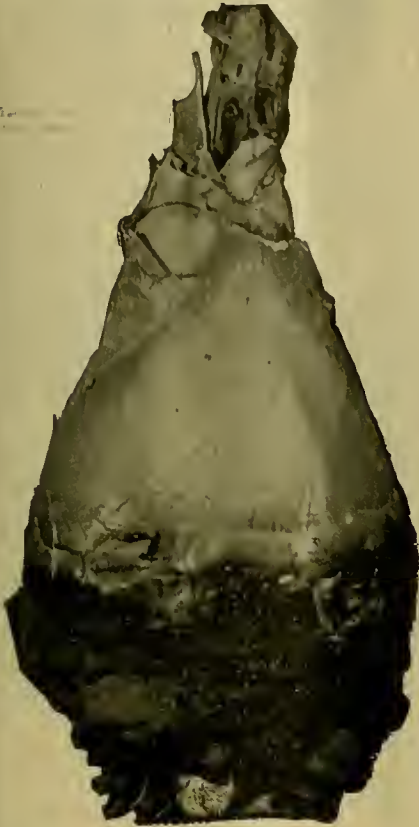
LUPINES (Annual), White, Pink, Blue and Yellow. These are the best strain of cut flower sorts. Plant now for quick results. Good plants, \$1.00 per 100; \$9.00 per 1000.

Smilax, strong, 2-in.\$1.50 per 100
Double Fringed Petunias, Rooted Cuttings, mixed\$1.00 per 100; \$9.00 per 1000

Parsley, Double Curled 1.25 per 1000
Pansies (Rawlings' Strain) 2.50 per 1000

Elmer Rawlings, Wholesale Florist, Olean, N.Y.
Mention the American Florist when writing

The Early Advertisement Gets There.



Tuberose

True Dwarf Pearl Per 1000

First Size, 4-6-in.....\$ 9.00
 Medium, 3-4-in..... 5.00

GLADIOLUS

Mrs. Francis King, First Size.....\$20.00
 " " " Medium..... 17.00
 Augusta, First Size..... 18.00
 " Medium..... 16.00
 America, Medium..... 27.50
 Kunderdi "Glory"..... Per 100, \$7.50 70.00
 Florist XXX, Mixed..... 15.00

CALADIUMS

(ESCULENTUM)

5- 7-inch.....\$15.00
 7- 9-inch..... 30.00
 9-11-inch..... 55.00

COLD STORAGE LILIES

Lilium Giganteum
 Per 1000
 250' or 300 in a case, 7 to 9.....\$65.00
Lilium Rubrum
 9 to 11..... 80.00

Lilium Melpomene
 Per 1000
 9 to 11..... 85.00
Lilium Album
 8 to 9..... 95.00

Lilium Auratum
 Per 1000
 8 to 9..... 52.50
 9 to 11..... 90.00

CHICAGO **Vaughan's Seed Store,** NEW YORK

CARNATION CUTTINGS

FOR IMMEDIATE DELIVERY.
 STRONG, HEALTHY STOCK.

	Per 100	Per 1000
Washington	\$6.00	\$50.00
Bright Spot.....	6.00	50.00
Mrs. C. W. Ward.....	4.00	30.00
Sangamo	3.00	25.00
Dorothy Gordon.....	3.00	25.00
White Enchantress.....	3.00	25.00
Enchantress	3.00	25.00
White Perfection.....	3.00	25.00
May Day.....	3.00	25.00
Beacon	3.00	25.00
Scarlet Glow.....	3.00	25.00

A. G. BROWN, Springfield, Ill.

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.

	Per 100	Per 1000
Pink and White		
Killarney, 2½-in.....	\$12 00	\$120 00
Richmond, 2½-in.....	12 00	120 00
Sunburst, 2½ in.....	35 00	
Maryland, 2½-in.....	12 00	120 00
Mrs. Aaron Ward, 2½-in.	14 00	120 00
Melody, 2½-in.....	14 00	120 00
Mrs. Taft or Prince de		
Bulgarie, 2½-in.....	14 00	120 00
Radance	14 00	120 00
Lady Hillingdon, 2½-in.	15 0	

OWN ROOT.

	Per 100	1000
Pink and White		
Killarney, 2½-in.....	\$6 50	\$60 00
Maryland, 2½-in.....	6 50	60 00
Richmond, 2½-in.....	6 00	50 00
Antoine Rivoliere, Mrs.		
Taft, or Prince de Bul-		
garie, 2½-in.....	8 00	70 00
Radance, 2½-in.....	8 00	
Melody, 2½-in.....	8 00	70 00
Mrs. Aaron Ward, 2½-in.	8 00	70 00
Dbl. Pink Killarney, 2½-in.	8 00	70 00

Good, Big Clumps of Croweanum, \$10.00 per 100.

Orders are now booked for April, May, June and July delivery.
 All goods are sold for cash or 30 days on approved credit.

BUDDING KNIFE FREE. See Page 353.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Rustenik Cleveland, O., Treasurer.

BEVERLY, MASS.—The Boston Market Gardeners' Association held an outing here February 24 and visited the greenhouses of Charles E. Caldwell, Thomas J. Mulligan, A. A. Pembroke, Frank Woodbury, Arthur Kidder, George W. Glines, W. E. Caldwell and Harry W. Keene. After the visit to the greenhouses, dinner was served and a meeting held, with addresses by H. L. Frost and State Forester Rane.

Prices of Indoor Fruits and Vegetables.

Chicago, March 4.—Mushrooms, 15 cents to 25 cents per pound; radishes, 20 cents to 50 cents per dozen bunches; rhubarb, 50 cents to 60 cents per bunch; lettuce, 25 cents to 27½ cents, small cases; cucumbers, \$1.50 per dozen.

New York, March 2.—Mushrooms, 60 cents to \$2 per 4-pound basket; cucumbers, \$1.25 to \$1.87 per dozen; tomatoes, 15 cents to 55 cents per pound; radishes, \$1.50 to \$3 per 100 bunches; lettuce, \$1 to \$2 per strap; rhubarb, 40 cents to 60 cents per large bunch and 60 cents to 90 cents per dozen small bunches; mint, 35 cents to 60 cents per dozen bunches.

Steam Heating of Cold Frames.

It is not generally known that cold frames can very well be heated by steam in underground fashion. We have experimented considerably along this line and have secured good results. The method has some advantages over any other way of heating, as we get the desired bottom heat without the labor and expense, and also have no danger of infection, of manure. Further, almost any quantity of frames can be prepared in the fall and gotten under way in the spring on short notice.

We use common 3-inch drain tile; lay these about 18 inches underground down one way and back the other, being careful to place them equidistant from the sides to provide uniform heat. One end is provided with a piece of one-inch pipe and elbow to admit live steam; the beds are arranged so that a main down a central path will be handy to serve beds to right and left. By using a piece of hose connections can easily be made and changed. The steam is used in daytime only, generally when the pressure runs up owing to cut-off circulation in the greenhouses. It takes a long time to heat a cold bed, but once heated such heat lasts for days; in fact, we have started up crops with one thorough heating. The tile, however, must be connected to some drainage system to relieve them of any water, as the steam on striking water condenses, causing a vacuum or suction, which speedily cracks the tile. Thus we heat and drain at one time and can control the heat at will.

MARKETMAN.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.

440 S. Dearborn St., CHICAGO.

Rooted Carnation Cuttings

One of the best, if not the best, growers in this vicinity still has several thousand extra choice White, Light Pink and Enchantress Carnation Cuttings yet to offer.

For further particulars call on or address

PERCY JONES

56 E. Randolph St., CHICAGO

CARNATIONS Rooted Cuttings

Rosette—The bright, large-flowered dark pink carnation. Only a few thousand left for early March delivery.

\$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

For February delivery we can supply now:

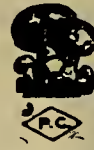
	Per 100	Per 1000
Scarlet Glow.....	\$3.00	\$25.00
White Perfection.....	3.00	25.00
Bonfire.....	6.00	50.00
Rose Pink Enchantress....	3.00	25.00

Quality Cuttings

F. DORNER & SONS CO.

LA FAYETTE,

INDIANA.



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

Pure Culture Mushroom Spawning

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

Trade Mark. American Spawning Co., St. Paul, Minn.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,

440 S. Dearborn St., Chicago.

Easter Stock

Patrons are placing orders rapidly. PLACE YOURS AT ONCE.

We will reserve stock as orders are received and ship when you direct.

Stock still unsold as follows:

- 2500 Lilles,
- 250 Azaleas,
- 900 Hydrangeas,
- 6, 7 and 8 in., fine.
- 450 Spireas, 6-in.
- 1000 Baby Ramblers,
- 4 and 6 in.

Multitudes of Bulb Stock, and other Easter Stock.

Ask for Soft Wooded List, Canna, Chrysanthemum, Carnation, Geranium, Rose and Fern Lists.

Please name express company.

GEO. A. KUHL,

Wholesale Grower,

Pekin, Ill.

Greenhouse Construction.

By Prof. L. R. Taft.

Price \$1.50

AMERICAN FLORIST CO.

440 S. Dearborn St.,

Chicago.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per ea., or \$1.50 per ¼ ea., 75c per 1-16 ea., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

DREER'S FINE FERNS

Cyrtomium Falcatum Rochfordianum. The New Crested Holly Fern.



CYRTOMIUM FALCATUM ROCHFORDIANUM

The illustration gives a fair idea of a good 6-inch pot plant of this important novelty which will undoubtedly take the place of the popular *Cyrtomium Falcatum* which heretofore has been the best selling Fern we grow. The bright glossy-green foliage in this variety is even more pronounced than in the parent and besides this the pinnae, or leaflets, are wavy, or undulated and are also deeply cut, or toothed, giving the plant a very graceful and decorative appearance. It will prove valuable both as a Dish Fern, as well as for growing into specimens in 6 or 8 inch pans for apartment decoration.

	Per doz.	Per 100	Per 1000
2 1/4 in. pots.....	\$1.00	\$ 7.00	\$60.00
4 " "	2.50	20.00	

ADIANTUM FARLEYENSE

You can not afford to get along without these in fine decorations. Our stock is in prime condition and will please you.

4 in. pots.....	\$ 5.00 per doz.,	\$40.00 per 100
5 " "	9.00 " " "	70.00 " "
6 " "	12.00 " " "	100.00 " "

CIBOTIUM SCHIEDEI

We are headquarters for this grand decorative Fern, five large houses are devoted exclusively to its cultivation. 6 in. pots, \$1.50 each; 10 in. tubs, \$3.50 to \$ 5.00 each. 8 " " 2.50 " 12 " " 6.00 to 10.00 "

MIXED FERNS FOR FERN DISHES.

Prime stock in 2 1/4 inch pots, \$3.00 per 100; \$30.00 per 1000. For all Seasonable Horticultural Stock, Hardy and Tender Plants, Bulbs, Seeds and Sundries, consult our Wholesale List, issued quarterly. The above prices are intended for the trade only.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Landscape Gardening



A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today. The Home Correspondence School Dept. A. F., Springfield, Mass.

Asparagus.....

Plumous, 2 1/4-in. pots.... \$18 00 \$ 2 00
1000 100

Primroses

Ohcoicalca Alba and Rosea, 2 1/4-in. pots.. 1 50
Per 100

Geraniums

S. A. Nutt and five other varieties. My selection, 2 1/2 inch pots, \$3.00 per 100.

Coleus

10 varieties. My selection, \$2.00 per 100.

Canna Chas. Henderson, dry bulbs, 2 and 3 eyes..... per 100. \$2.00

Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Budding Knife Free.

See Page 353.

LADY HILLINGDON

Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place your order now for early delivery.

YOUNG STOCK. PRICES:

Grafted.....\$25.00 per 100; \$200.00 per 1000
Own Root..... 20.00 per 100; 150.00 per 1000

WABAN ROSE CONSERVATORIES Natick, Mass.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Mention the American Florist when writing

PALMS, FERNS

AND

Decorative Plants

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

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen
J. H. Dayton, Painesville, O., President;
W. H. Wyman, North Abington, Mass., Vice-
President; John Hall, Rochester, N. Y., Sec'y.
Thirty-seventh annual convention to be
held at Boston, Mass., June 12-14, 1912.

MARIETTA, GA.—This was once a great peach section, but owing to the failure of crops the nursery business here has been practically abandoned.

PORTSMOUTH, N. H.—A systematic campaign has been started by the state moth department against the gypsy moth which is now established in 120 towns in the state.

BROOKLYN, N. Y.—The Lewis & Valentine Co. has been incorporated with a capital of \$50,000 to carry on a general nursery business. The directors are Harold C. Lewis, Albert A. Lewis and Richard K. Valentine of East Rockaway.

CLINTON, MASS.—Edward W. Breed, president of the Worcester County Horticultural Society, addressed the members of the Lansdec club, February 20, on the subject "Our Civic Pride." The town officials were invited to attend.

THE executive committee of the Association of American Cemetery Superintendents have decided that the next convention will be held at Milwaukee, Wis., about the third week in August, providing proper hotel accommodations can be made at that time.

THE report of the proceedings of the convention of the American Association of Park Superintendents, held at Kansas City, August 8-10, 1911, just issued, contains a verbatim report of the papers and discussions of that meeting, accompanying which is a list of members of the association.

BOSTON, MASS.—At the meeting of the Massachusetts Horticultural Society held March 2 Wilfried Wheeler delivered an address on "The Fruit Question." An informal discussion followed, participated in by Prof. B. S. Pickett of Durham, N. H.; H. L. Frost of Arlington, and Prof. L. C. Sears of Amherst.

HAVANA, CUBA.—The National Horticultural Society of Cuba, Chas. A. Beatley, secretary, held its annual meeting in Havana February 14-16. Election of officers and other routine matters received attention. The event was of more than usual importance because of the horticultural and pomological display, in connection with the National Agricultural Exhibition of 1912, now on.

Two New Helianthus Hybrids.

The hybrid sunflowers have made for themselves a place among decorative plants, where comparative size, luxuriance of bloom and color are desired. Among recent introductions are:

H. Sparsifolius.—Nine to 12 ft. high, branching, pyramidal, foliage ample, the flower heads characterized by curling or twisted petals, which give the flower an especially attractive appearance. The flower stalks are very long and sparsely leaved. Blooms August and September.

H. H. G. Moon.—Three to 3½ feet. Stiff solid branches, good form and very decorative. Blooms in July, very

freely; petals somewhat twisted as in sparsifolius, though less markedly.—*Revue Horticole.*

A New Grape Insect.

A new insect pest which is reported to have caused considerable damage to the vineyards in many parts of France is a small moth of the genus *cochylys*. The larvae cause the grapes to drop, and each grape in an infected plant will have one or two larvae in it, but the number may reach as high as eight or more. Many methods to exterminate them have been tried but with little success. A mixture of four parts benzine and one part poppy oil has been found to be sure death to the insect, and this is applied by placing a drop in each infected grape, which can be readily recognized by its appearance. This method, while it will not save the vines attacked, will destroy the larvae and prevent a recurrence of the pest.

Pests and Parasites.

Why we need a national law to prevent the importation of insect-infested and diseased plants and to prevent the United States from becoming a dumping ground for refuse stock is thoroughly explained in a pamphlet entitled "Pests and Parasites" issued by the Bureau of Entomology, Department of Agriculture. The introduction of insects and the damage annually inflicted by them on the orchards, forests and products of the country are ably described. Illustrations show the gypsy and brown-tail moths, the boll weevil and other insects and their devastating work. The loss to the country is estimated in the millions, and legislation by the national government to enforce a quarantine inspection law is declared to be a necessity.

PAINESVILLE, O.—The nurserymen of this vicinity already have their sleeves rolled up ready to dig into the spring business upon receipt of the signal to go ahead from the weatherman.—E. T. Mellen has purchased property at Mentor and is understood to be preparing to start a nursery.—The Mentor Nursery has recently added 60 acres to their property which it is intended to plant to nursery stock.—The Carl Hagenberger Co. have sold their Madison plant to Harry Taylor.

GREENWICH, CONN.—Mrs. August Bertolf, wife of the junior partner of Dehn & Bertolf, was seriously injured while riding in an automobile which crashed into a telegraph pole. She was thrown against the wind shield, and was badly cut with the broken glass.

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL,
New York.

Mention the American Florist when writing

Robert Craig Co...

HIGH
CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.



Arbor Vitæ

(*Thuja Occidentalis.*)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched.....	\$1.00	\$7.00
15 to 20 in., 3 or more branches.....	1.50	10.00
20 to 30 in., 4 or more branches.....	2.00	15.00
2½ to 3 ft., strong, 6 or more branches 3.00		25.00
3 to 4 ft., extra heavy, 8 or more branches.....	4.00	30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.

Seedling Evergreens

We Are Largest Producers in America. All Leading Kinds; Choice Stock. Wholesale catalog and Price List on Request.

D. HILL NURSERY CO., Inc.
Box 404, Dundee, Illinois

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens,
Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots,
Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. RUTHERFORD, N. J.

Leaders in Both Quality of Stock and in Varieties.

Our rose stock for greenhouse growing is considered the finest quality which can be produced and there are thousands of customers from California to Maine who will testify to the truth of the assertion,

DOUBLE WHITE KILLARNEY (Budlong) and KILLARNEY QUEEN are our introductions of 1912

Grafted plants..\$30.00 per 100; \$250.00 per 1000
Own root..... 25.00 per 100; 200.00 per 1000

Sunburst, of our own growing, which means quality in the young stock, at the introducer's prices.

Lady Hillingdon, The yellow rose, noted for its wonderful color and freedom of growth.

Grafted plants..\$25.00 per 100; \$200.00 per 1000
Own root.....20.00 per 100; 150.00 per 1000

Mrs. Aaron Ward, Grafted plants, \$20.00 per 100; \$150 per 1000. Own root plants, \$10.00 per 100; \$90.00 per 1000.

Melody, Own root plants,.....\$12.00 per 100
.....\$100.00 per 1000

STANDARD COMERCIAL VARIETIES.

Killarney, White Killarney, Richmond, Mrs. Taft, (Rivoire) My Maryland, Radiance, Grafted plants, \$15.00 per 100; \$120.00 per 1000.

250 of a variety at the 1000 rate.
Special prices quoted on 5000 or more.

Commercial Chrysanthemums

Chadwick Supreme, Roman Gold, and Smith's Advance in quantity. All the choice commercial varieties.

Bedding Stock in Quantity

Coleus, Salvia, Heliotrope,

Place your orders now and be certain of your stock. We guarantee satisfaction to our customers. Satisfactory references or cash required from unknown parties.

A. N. PIERSON, Inc., Cromwell, Conn.

California Privet.

Per 1000

- 6 to 12 inches\$ 4.00
- 12 to 18 inches..... 6.00
- 18 to 24 inches..... 8.00
- 2 to 3 feet 10.00
- 3 to 4 feet 15.00

OAK LAWN NURSERY

Huntsville, Alabama

Roses Originated by Jackson Dawson

Write for pamphlet, including prices.

EASTERN NURSERIES,
1090 Centre St., JAMAICA PLAIN, MASS.
H. S. DAWSON, Manager.

Phoenix Canariensis balled, by the carload, 2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½ ft. at 25c, 30c, 40c, 55c, 75c, 95c, \$1.20, \$1.45, \$1.75 and \$2.00 each.

Areca Lapida potted, 2½, 3, 3½, 4, 4½, 5, 5½, 6 ft. at \$1.00, \$1.30, \$1.60, \$1.90, \$2.20, \$2.50, \$2.80 and \$3.10. On small orders, 25% extra, packing included.

THE KENTIA NURSERIES,
Gillespie St. & Fisher Ave., Santa Barbara, Cal.

PRIMULAS, Obconica and Chinese, in bloom, \$5.00 per 100; 2½-in., ready for 4 in. pots, \$1.50 per 100, \$12.50 per 1000. SPRENGERI, fine 2½ in., \$1.50 per 100, \$12.50 per 1000. CINERARIAS, Dwarf Price; SNAPDRAGONS; BOUBLE ALYSSUM; HELIOTROPE: fine 2½ in., \$2.00 per 100, 300 for \$5.00. FERNS, Whitmani, 4-in., \$10.00 per 100. HARDY IVY, 3 to 4 ft., 4-in., fine, \$3.00 per 100. VINCA, Variegated, 4-in., \$7.00 per 100.

J. C. SCHMIDT, Otter and Maple Sts., BRISTOL PA.



New Hardy Golden Vinca.

Vinca Minor Aurea.

Golden variegated Myrtle or Periwinkle.

This is not a creamy yellow like V. Variegata but a rich deep golden yellow, grand for shrubbery borders, banks, window boxes, vases and especially for cemetery work.

Awarded Certificate of Merit by the New York Hort. Society; Paterson (N. J.) Horticultural Society and Elberon (N. J.) Horticultural Society.

Price, 3 in. pot plants, \$2.00 per doz.; \$15.00 per 100. Delivery in April.

WM. TRICKER, Arlington, N. J.

Water Lilies and Hardy Plants a Specialty

M. LEENDERS & COMPANY,

ROSE GROWERS Tegelen, Holland.

WRITE FOR PRICE LIST.

Roses, Cannas, Shrubs

Ask for New Price List

The CONARD & JONES CO.
WEST GROVE, PA.

The Early Advertisement Gets There.

Rooted Cuttings

Carnations and Chrysanthemums

of the New and Leading Market Varieties

Rooted Cuttings

and Pot Plants, Fine Strains of Snapdragon

Send for Price List

Wm. Swayne P. O. Box 85
KENNETT SQUARE, PA

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000		Per 100	Per 1000
Gloriosa.....	\$6 00	\$50 00	Enchantress.....	3 00	25 00
Dorothy Gordon.....	4 00	35 00	Beacon.....	3 00	25 00
White Perfection.....	3 50	30 00	Rose Pink Enchantreas.....	2 50	20 00
White Enchantress.....	\$3 00	25 00	Winsor.....	2 50	20 00

J. D. THOMPSON CARNATION CO.,
 Carnation Specialists, JOLIET, ILL.

Carnations

Every One a Plant. Every One Will Grow.

From pots, shipped either with or without soil, which is very loose and can be shaken out. Alma Ward, White Perfection, White Enchantress, Dorothy Gordon, Winona, Enchantress, Beacon and Victory at \$2.50 per 100; \$25.00 per 1000. Mrs. C. W. Ward at \$3.50 per 100. Washington and White Wonder at \$5.00 per 100.

GERANIUMS

April Delivery.

S. A. Nutt.....per 1000, \$11.50
 Ricard and Poitevine.....per 1000, 14.00

COLEUS

Golden Bedder, Verschaffeltii and the standard assorted, at \$6.00 per 1000.
 Giant Leaved at \$2.50 per 100.

Asparagus Plumosus

Extra fine stock at \$2.50 per 100; \$25.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Mention the American Florist when writing

ROOTED

Carnation Cuttings

	Per 100	1000
Washington.....	\$6.00	\$50.00
Mrs. C. W. Ward.....	3.00	25.00
Beacon.....	3 00	25 00
White Enchantress.....	3.00	25.00
May Day.....	2.50	20.00
Sangamo.....	2.50	20.00

25c at 1000 rate. Satisfaction guaranteed.

DES PLAINES FLORAL CO., Des Plaines, Ill.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.
 Boston Ferns, 5-in., 25c each.
 Whitmani Ferns, 4-in., 25c.
 Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
 Vinca Var., 2-in., 2c.
 Asparagus Sprengeri, 2-in., \$2.50 per 100.
 Asparagus Plumosus, 2-in., \$3.00 per 100.

Cash with order.

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

Grafted Rose Plants

Choice stock from flowering wood, ready for delivery April 1st.

Well hardened and in good condition to bench or repot.

Mrs. Aaron Ward.....per 100, \$12.00 White Killarney.....per 100, 12.00
 Pink Killarney.....per 100, 12.00 Rhea Reid.....per 100, 12.00
 Prince de Bulgarie, ready May 1st.....per 100, \$12.00

Our stock is all grafted on selected English Manetti.

BASSETT & WASHBURN,

Office and Store: Greenhouses:
 131 N. Wabash Ave., CHICAGO. HINSDALE, ILL.

Mention the American Florist when writing

Rooted Carnation Cuttings

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000		Per 100	Per 1000
Beacon.....	\$2 50	\$20 00	R. P. Enchantress.....	2 00	17 50
White Enchantress.....	2 50	20 00	Enchantreas.....	\$2 00	\$17 50

PERLE ROSE PLANTS

2½ inch, \$1.00 per 100; \$30.00 per 1000.

PETER REINBERG,

30 East Randolph St., CHICAGO

Mention the American Florist when writing

BEAUTY PLANTS

Perfectly Healthy Stock, free from spot, 2-in. plants, \$6.00 per 100. \$50.00 per 1000.

OLD BENCH BEAUTY PLANTS, \$6.00 per 100; \$50.00 per 1000.

J. A. BUDLONG, 82-84-86 East Randolph St., Chicago

Mention the American Florist when writing



Pteris Magnifica.



Pteris Cretica, albo lineata.

THE GEO. WITTBOLD CO. EDGEBROOK, CHICAGO.

PRICE LIST OF **Choice Bedding Plants, Ferns, Palms and Nursery Stock**
Extra Select Plants of Unsurpassed Quality. Order Now.

BEDDING PLANTS.

Achyranthes—rooted cuttings.	Per 1,000
P. de Bailey	\$6.00
Metallica	6.00
Lindenii	6.00
Warsawiczii	6.00
ACHYRANTHES—2-Inch.	Per 100
P. de Bailey	\$2.50
Metallica	2.00
Lindenii	2.00
Warsawiczii	2.00
AGERATUM, Stella Gurney—2-Inch.	2.00
Princess Pauline—2-Inch	2.00
Cyclamen, seedings, best varieties.	Per 100
Cyclamen, 2-inch, best varieties.	4.00
Coleus, 2-inch, Pfister, red and yellow; Beckwith's Gem	2.00
Cuttings, Pfister, red and yellow	1,000 \$6.00
Gnaphalium Lanatum—3-inch	5.00
Gnaphalium Lanatum—2-inch	2.00
Heliotrope, 3-inch	4.00
Rooted cuttings	6.00
Chrysanthemum, Maximum, Perfectum (Improved Shasta Daisy), strong seedings	\$5.00
Grevillea robusta, 2-in.	3.00
Ivy, English—	
3-in.	\$0.75 per doz.
4-in.	1.50 per doz.
Ivy, German, 2-inch	2.00
Ivy, German, 3-inch	4.00
Laetana Delicatissima, 2-inch	2.00
Lobelia Catherine Mallard, rooted cuttings	6.00
Lobelia Catherine Mallard, 2-inch	3.00
Marguerites, yellow cuttings	6.00
Marguerites, yellow, 2-inch	2.00
Mrs. F. Sanders, new double white, 2-inch	3.00
3-inch	6.00
Cuttings	15.00
SALVIA—Rooted Cuttings.	Per 1,000
Bonfire	\$8.00
Zurich	6.00
SALVIA—2-Inch.	Per 100
Bonfire	2.00
Zurich	2.00
VINCAS—	Doz. 100
2-inch	\$ 2.50
3-inch	5.00
4-inch	\$2.50 15.00
PANSIES, transplanted seedlings.	Per 1,000 \$5.00

FERNS.

BOSTONS.			
Size.	Each.	Doz.	100 1,000
2-inch			\$ 3.00 \$25.00
3-inch			\$ 1.00 8.00
7-inch			\$0.75 9.00
8-inch			1.00 12.00
Boston Fern Baskets, each.	\$1.00, \$1.50, \$2.00		
Asst. Ferns, for Dishes, 2-in.,	\$0.40 doz.;		
	\$3.00 per 100; \$25.00 per 1,000.		
Cibotium, 7-inch	Each.	Doz.	
8-inch	\$2.50	\$30.00	
	3.00	36.00	

Stove and Greenhouse Plants

Aspidistra, Variegated	15c per leaf
Araucarias—	
6-in., 4-5 tiers	\$1.00 each; \$12.00 per doz.
7-in., 4-5 tiers	1.50 each; 18.00 per doz.
Asparagus Baskets, \$1.00, \$1.50 and \$2.00 each.	
Asparagus Plumosus—	
2-in.	\$0.40 per doz.; \$ 3.00 per 100
3-in.	.75 per doz.; 6.00 per 100
4-in.	1.50 per doz.; 12.00 per 100
Asparagus, S. D.—	
4-in.	\$1.50 per doz.
Cyperus—3-in.	\$0.75 per doz.; \$ 5.00 per 100
4-in.	1.50 per doz.; 10.00 per 100
Dracena Indivisa—	
2-in.	\$3.00 per 100; \$25.00 per 1,000
7-in.	\$1.25 each; \$15.00 per doz.
Dracena Massangeana—6-in.	\$1.25 each
7-in.	1.50 each
Dracena Terminalis	
4-in.	\$0.35 each; \$4.00 per doz.
Ficus Elastica (Rubber)—	
6-in.	\$0.50 each; \$6.00 per doz.
Pandanus Urtilis, 3-in., per doz.	\$1.50
PANDANUS VEITCHIL.	
4-inch	Each. Doz. \$0.60 \$ 5.50
5-inch	.75 9.00
6-inch	1.00 12.00
Tradescantia Variegata (Wandering Jew)—	
2-inch	\$0.40 per doz.; \$3.00 per 100

BULBS.

Dahlias, Thatcher, double yellow	Per 100 \$12.00
Sylvia, light pink	12.00
A. D. Livoni, shell pink	12.00
J. Cowan, single	12.00
J. Downie	12.00
Ami Barilet, single	12.00
Fashion, single	12.00
Field Clumps	\$80.00 per 1,000
Ismene Calathina, 1st size	.6c each
2nd size	.4c each
3rd size	.2c each

Stock for Easter Forcing.

Rhododendrons	75c, \$1.00 and \$1.25 each
Azaleas—	
Empress of India,	\$1.00 and \$1.50 each
Mme. Van der Cruyssen	
	.75c, \$1.00 and \$1.60 each
Lilac, Marie Legraye	\$1.00 each
Kalmia Latifolia	\$1.00 each
Spiraea, Gladstone	\$3.00 per dozen
Queen Alexandra	\$4.00 per dozen
Japan Maples	\$1.00 each

Nursery Stock.

From the Field, for Spring Shipment.		
SHRUBS.		
	Feet.	Each.
Morus Alba (Russian Mulberry)	3 -4	\$0.10
Morus Alba	4 -5	.15
Rhus Typhina Laciniata (Cut leaf Sumach)	2 -3	.05
Rhus Typhina Laciniata	3 -4	.10
Rhus Typhina Laciniata	4	.15
Rosa Rugosa, mixed	1½-2	.10
Rosa Rugosa, mixed	2 -2½	.16
Rosa Rugosa Alba (Single White)	1½-2	.10
Rosa Rugosa Alba	2 -2½	.15
Spiraea Van Houttei (Bridal Wreath)	1 -2	.05
Symphoricarpos Racemosus (Snowberry or Waxberry)	2	.05
Symphoricarpos Racemosus	2 -3	.10
Symphoricarpos Vulgaris (Indian Currant)	1 -1½	.05
Symphoricarpos Vulgaris	2 -2½	.10
Symphoricarpos Vulgaris	3	.15
PERENNIALS.		
Achillea The Pearl (Sagezwort)		.10
Boltonia Asteroides (False Chamomile)		.15
Iris, German, named varieties, divisions according to size of clump.		\$.02 and up
Yucca Filamentosa (Adam's Needle or Spanish Bayonet)		.10
Yucca Filamentosa		.15

PALMS

KENTIA BELMOREANA.			
Pot	High	Leaves	Doz. 100
2½-inch	8-in.	4	\$ 1.50 \$12.00
3-inch	8-10-in.	4-5	2.00 15.00
4-inch	12-in.	4	3.00 30.00
4-inch	12-15-in.	4-5	4.50 35.00
5-inch	15-18-in.	5-6	6.00 50.00
5-inch	18-20-in.	6-6	\$ 0.75 \$ 9.00
6-inch	20-22-in.	6-7	1.00 12.00
6-inch	22-24-in.	6-7	1.60 18.00
7-inch	36-40-in.	6-7	4.60
8-inch	40-45-in.	7-8	5.50
9-inch	48-50-in.	7-8	8.00
9-inch	50-54-in.	7-8	10.00
ARECA LUTESCENS.			
3-in., 3 plants in a pot,	\$2.00 per doz.;	\$16.00	per 100.
4-in., 3 plants in a pot,	\$3.00 per doz.;	\$25.00	per 100.
6-in., 24 to 26 in. high,	\$1.50 each.		
7-in., 4-5 plants in a pot,	36-in. high,	\$3.00	each.
8-in., 5-6 plants in a pot,	60-64-in. high,	\$5.00	each.
Coccoloba Waddelliana, 2 in.,	\$1.75 per doz.;	\$14.00	per 100; 3-in., \$2.50 per doz.;
		\$20.00	per 100.

KENTIA FOSTERIANA.			
Pot	High	Leaves	Doz. 100
2-inch	8-10-in.	4	\$1.50 \$12.00
3-inch	12-14-in.	4-5	2.00 15.00
4-inch	14-16-in.	4-5	4.50 36.00
5-inch	20-24-in.	4-6	\$0.75 \$ 9.00
6-inch	24-30-in.	5-6	1.00 12.00
6-inch	30-36-in.	5-6	1.50
7-inch	36-38-in.	5-6	2.50
7-inch	38-40-in.	5-6	3.50
8-inch	40-42-in.	5-6	4.50
8-inch	46-50-in.	6-7	7.00
MADE UP.			
	High	In a Pot	Each
	24-30-in.	3-4	\$ 2.50
	50-54-in.	3-5	8.00
	58-60-in.	4-5	10.00
	62-70-in.	4-5	15.00
PHOENIX RECLINATA.			
4-in.	25c each;	\$3 doz.;	\$20 per 100
5-in.	50c each;	\$5 doz.;	
6-in.	75c each;	\$9 doz.;	
PHOENIX ROEBELENI.			
2½-in.	\$2.00 per doz.;	\$15.00	per 100
3-in.	\$3.00 per doz.;	\$22.50	per 100
5-in.	\$9.00 per doz.;	\$70.00	per 100
6-in.	\$12.00 per doz.;		
6-in., strong	\$2.00 each		
7-in.	\$2.50 each		

LATANIA BORBONICA.			
2-in., 1 to 2 lvs.	\$3 per 100;	\$25	per 1,000
4-inch	\$3 per doz.;	\$20	per 100
5-inch	\$5 per doz.;	\$40	per 100
6-inch	\$6 per doz.;		
PHOENIX CANARIENSIS.			
7-inch	High	Each	
8-inch	36-40-in.	\$ 2.50	
10-inch	46-50-in.	4.00	
10-inch	50-54-in.	8.00	
10-inch	60-64-in.	10.00	

TAKE THE HINT

The successful man in business keeps cool. Don't cry, don't worry about hard times, don't lose your head. Just keep calm and think of your old friend in Philadelphia. His name, Godfrey Aschmann, is not forgotten and is a name in the mind of every florist who dealt with him last Easter. He is more active than ever. He shall take care of you this Easter, 1912. His big stock of fine plants and his low prices will pull you through at all times.

Therefore Prepare for Easter

And Come Direct to the Factory. A Great Factory of Live Stock That Never Ceases.

Twenty-five years' experience in shipping Easter plants—well known, popular, from Atlantic to Pacific Oceans. Our shipments of Easter Plants reach every city and state of the United States, Mexico, Canada, and as far as Cuba.

All Florists should this Easter time
Come see my stock quite superfine;
My glistening Araucarias,
My Lilies strong and wondrous fair,
Ferns, big and green, no rivals know,
Bulbs of all sorts, the best I grow.
There's not a flower you now can need
But I can sell you cheap indeed.

Azalea Indica.

Is another specialty of ours, inspected personally by myself on my yearly trip to Europe at our grower's establishment in Belgium, who is a specialist in cultivating Azaleas over there. Only the best American sorts are raised and imported for me. What is the name of the best double pink Azalea? Mme. Van der Cruyssen is the name; originated by the well-known Azalea specialist, Mr. Van der Cruyssen, of Ghent, Belgium. Millions are raised every year of this so world-wide known popular pink Azalea and are shipped out to every portion of the globe from Belgium. We are well provided and have a big stock of this so well favored variety in America, the Mme. Van der Cruyssen; covered with buds and flowers, ready for Easter trade, well shaped, round as an apple; in all sizes, 6-7-8 in. pots, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50 to \$3.00.

Simon Mardner, double pink, 60c, 75c, \$1.00, \$1.25 to \$1.50; De Schryveriana, double variegated, 75c, \$1.00, \$1.25 to \$1.50; Vervaneana, a well known double variegated variety, 60c, 75c, \$1.00, \$1.25 to \$1.50; Apollo, best red, \$1.00 to \$1.25; Niobe, double white, 75c, \$1.00, \$1.25 to \$1.50; Deutsche Perle, double white, 75c; a few good mixed varieties, such as Empress of India, Helena Thielmann and others, 75c, \$1.00 to \$1.50.

If we are out of the size and color ordered, we shall ship next size and color.

In connection with Lilies and Azaleas, kindly try to buy a few other plants.

Spirea Gladstone.

What is a home, what is a store, what is a church, what is an Easter present, without having a few of the so much admired and so greatly in demand *Spirea Gladstone*, the pride of Holland? O, those charming sprays of beautiful pure white flowers! And the foliage, of such a beautiful wax deep green is a jewel in itself! Mixed with beautiful lilies and other blooming plants they will complete the flower decoration for your happy, joyful Easter home of 1912. Knowing the great demand for these plants during past Easters, when not half the customers could be supplied, we are well prepared this year for the rush, and were fortunate in spite of the scarcity last fall in Holland. When other florists' supplies were cut short by Holland growers we obtained enough of the bulbs to fill two houses with the choicest, and we are able to supply all incoming orders promptly. Price: 5½, 6 and 7 in. pots, full of buds and flowers, 35c, 50c, 75c to \$1.00 each; dozen or more, the same price. Some are as big as a small washtub.

Cineraria Hyb. Grandiflora.

Readers, please, just a minute. I wish to call your attention to one of our biggest houses filled with a big selection of that so much admired Easter novelty, the *Cineraria Hybrida Grandiflora*, which will have no equal in the flower market for Easter, 1912. If you are not fortunate enough to see them growing at our establishment, then just imagine you were promoted to a mass of flowers in a garden in Eden, standing before a paradise, to a garden in various beautiful colors. This is the condition one of our Cineraria houses represents at Easter-time. Our new improved strain, planted in 6-in. pots, of medium tall sizes, are unsurpassed in the size and color of the flowers. The flowers are about twice the size of the old ordinary varieties, has big heads of flowers and good foliage; some of the plants are as big as a small apple basket. Price: 6-in. pots, 25c, 35c, 50c, 75c to \$1.00 per plant; dozen or more, same price.

Shasta Daisies, pure white hardy daisies, 2½-in. pots, \$3.00 per 100.

Chinese Primroses, 5¼-in. pots, \$2.50 per doz.

Azaleas, like a plant on fire
With blooms that fill the heart's desire.
Choice Primroses, with colors chaste;
Palms grown to suit the highest taste.
The Springtime jewels are my flowers,
Pictures of life that brighten ours,
None fairer, better, you can find,
I have the best of every kind.



Lilium Multiflorum.

We have Lilies this Easter (1912) to burn, to burn; they are crackerjacks, to beat the band, the best in the land, the best in the land, the best in the land.

Three houses in *Lilium Multiflorum*, the genuine Japan Easter Lily, better than ever before. Our own importation from our general grower in Japan, raised from 9-10-in. bulbs started in 6-in. pots last October; have kept cold. Good, perfect foliage from bottom up. Plants medium size and in all heights, from 5 to 10 buds to the plant, 10c per bud; plants under 5 buds, 12c per bud. Just right for Easter. We have the finest lilies this year in Philadelphia and all over the country, is the town talk from florists and agents daily visiting our place. "We have never seen anything like it," said two well-known growers one day, when visiting our place together. We have three houses full in 6-in. pots nicely staked up, medium height, and can supply all applications.

Our *Hydrangea Otaksa* can't be beat; full of buds; right for Easter trade; every branch nicely staked up, 2, 3, 4, 5, 6, 7 heads to the plant, 6-in. pots, 35c to 50c; 5 to 7-in. pots, 75c; \$1.00, \$1.25 to \$1.50.

Hyacinths of our own importation, four best colors: Gertrude, best pink; King of the Blues, best blue; Grand Maitre, light blue; La Grandesse, best white; 4-in. pots, now outside in cold frame, covered with leaves; two weeks will force them out into bloom; in bud or bloom, \$12.00 per 100.

Hyacinths, 3 plants in a 9-in. pan, edging of Asparagus Plumosus, 60c per pan; 10-in. pans, trimmed with Asparagus also, 75c.

Asparagus Sprengeri, 2½-in., 3c; 4-in., 10c.

Asparagus Plumosus, 10,000 on hand, April, 1911, savings, big stock plants 4-in., 10c; 3-in., 10 to 12 in. high, \$6.00 per 100; large 2½-in., suitable for edging bulb pans, \$5.00 per 100.

Ficus Elastica or Rubber Plants, in fine condition, perfect leaves, 7-in. pots, specimen plants, 28 to 30 in. high, \$1.00; 6 to 6½-in. pots, 25 to 28 in. high, 50c to 75c; 5¼ to 5½ in. pots, 25c, 30c to 35c.

Araucarias Our Specialty.

We are the largest importers of these lovely decorative plants, the *Araucaria Excelsa*, *Robusta Compacta* and *Glauca*, the choicest last spring (1911) importation, ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the Araucarias in the future.

Look! Bargains in *Araucaria Excelsa*. Such low prices as are quoted below were never known in the history of *Araucaria Excelsa*. Just think! 5½-in. pots, 3-4 tiers, 16 to 18 in. high, 50c to 60c; 6 to 7 in. pots, 4-5-6 years old, 4-5-6-7 tiers, 25-30-35-40 in. in height, for only 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each. These prices are record-breakers—money-makers for you.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5½-6-7 in. pots, 15-18-20-25-30 in. high, 4-5-6 tiers, 2-3-4-5 years old, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each. We give big value for your money. Just think! An elephant, 6-in. pot, 4 years old, 4-5-6 tiers, 20-25 in. high, for only 75c; a jumbo, 6-in. pot, 5 year old, 25 in. and over, as wide as a bushel basket, 5-6 tiers, for only \$1.00; and what do you think! a holy terror, 30 to 40 in. and over, 5-6-7 tiers, worth \$2.00, for only \$1.25 to \$1.50.

We also have the nicest *Araucaria Robusta Compacta* and *Excelsa Glauca*, 3 to 4 tiers, 18 to 24 in. high, 25 to 30 in. across, 6-in. pots, a house full, perfect jewels, for only \$1.25 to \$1.50, worth \$1.75 to \$2.00.

Von Sion Daffodils (double nosed), best double yellow *Narcissus* in cultivation, three bulbs planted in a 5½ to 6-in. pot, \$2.50 to \$3.00 per dozen pots.

Our New Improved *Begonia Erfordii* has no equal as a constant bloomer, winter and summer, in bloom now, 5¼-in., 25c; 5½-in., 30 to 35c; 4-in., 20c.

Murillo, Tournesole and Red Tulips in 9-in. pans, 7 to 9 bulbs in a pan, Asparagus around, 60c; 10-in., 75c.

Tulips, Tournesole, double, red and yellow variegated, and **Murillo**, beautifully shaded rose pink, three bulbs in one pot (4-in.), \$15.00 per 100 pots; \$1.80 per dozen.

Ipomea Noctiflorum, our so well-known pure white, waxy *Moonvine*, bearing flowers very fragrant and as big as a saucer, 2½-in. pots; will make good stock for you to propagate from; \$5.00 per 100.

Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each; made up of 3 6-in. pots, 25 to 30 in. high, 50c to 60c.

Areca Lutescens, 3 plants in a 4-in. pot, 20c to 25c; 5¼-in., 3 plants in a pot, 30c.

Aspidium Tussimensense, large 2½-in., suitable for edging bulb pans, \$5.00 per 100.

Cocos Palms, Cocos Weddelliana, large 3-in. pots, 15c, 20c to 25c.

Kentia Forsteriana, in fine shape, 6-in. pots, 25, 30, 35, 40-45 in. high, 4, 5, 6 years old, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each.

Kentia Belmoreana, single plants, 5½-6-7 in. pots, 5-6-7 years old, 25-30-35-40 in. high, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots, 75c, \$1.00, \$1.25 to \$1.50; 4-in. 20 in. high, 20c to 25c.

Our Ferns this year are exceptionally very fine. **Boston, Scottii, Whitmani** and **Scholzei**, 5½ and 6 in., 35c, 40 and 50c, 7-in., large, bushy plants, 75c to \$1.00. As big as a bushel basket, \$1.00 to \$1.25. 8-in., as big as a washtub, only \$1.50, worth \$2.00 to \$3.00. Remember, all our Ferns are pot-grown, not lifted from benches.

Neph. Giatrasii, a new beautiful fern, an improvement on Scottii, much shorter and bushier than Scottii, 5½ in. pots, 50c; 3-in. pots, 20c; 4-in., 125c.

Ferns for Dishes, big assortment, 2½-in. pots, at \$4.00 per 100.

Adiantum Hybridum, 4-in. pots, 10c.

Mention if ship with or without pots.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN, Importer, Wholesale Grower and Shipper of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

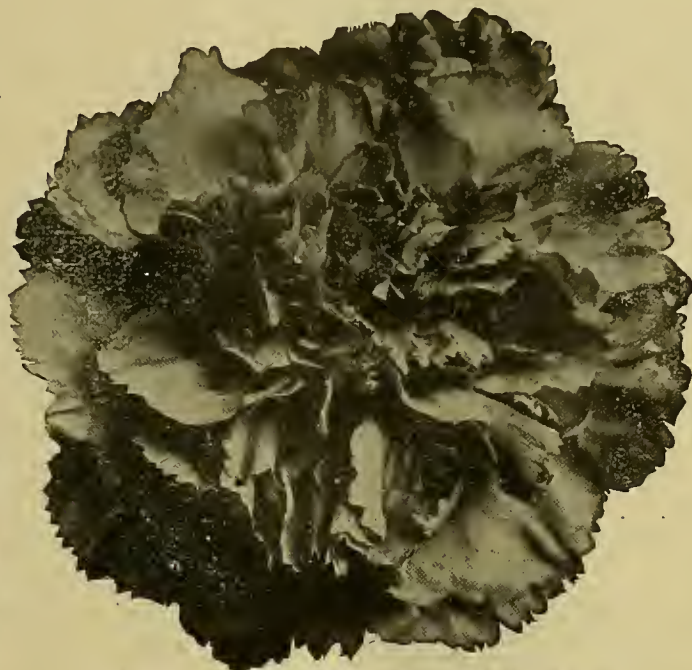
WASHINGTON

Dark Pink Sport of Enchantress, Like All the Other Members of the Enchantress Family, the Best in Their Respective Colors. : : : :

Washington is the only variety sent out last year that was shown extensively at the Flower shows this season, and the only second year novelty shown in the Hundred Classes; winning **First Prize** over all standard varieties.

Washington like Enchantress, is easy to handle and brings satisfactory returns to the grower.

Washington is a strong, healthy grower; the foliage is much darker than the Enchantress. Strong, well rooted cuttings now ready. \$6.00 per 100; \$50.00 per 1000.



WASHINGTON, THE VARIETY THAT HAS MADE GOOD

OTHER LEADERS

White Wonder, exceptionally free, fine large flower, good stems. \$6.00 per 100; \$50.00 per 1000

Gloriosa, medium pink, very fine flowers on good stems. \$6 00 per 100; \$50 00 per 1000. April 1st delivery.

Christmas Cheer, scarlet, very free. \$6.00 per 100. \$50.00 per 1000.

Bonfire, scarlet, very bright, long strong stems. \$6.00 per 100; \$50.00 per 1000.

Princess Charming, large flesh pink, long heavy stems, very fine. \$6.00 per 100; \$50.00 per 1000.

STANDARD VARIETIES

	Per 100	Per 1000
White Enchantress, pure white	\$3 00	\$25 00
White Perfection.....	3 00	25 00
Shasta, very free.....	3 00	25 00
Victory	3 00	25 00
Scarlet Glow.....	3 00	25 00

	Per 100	Per 1000
Afterglow	\$3 00	\$25 00
Rose Pink Enchantress.....	3 00	25 00
Dorothy Gordon.....	3 00	25 00
Enchantress.....	3 00	25 00
May Day, very free.....	3 00	25 00

All stock is clean, healthy and well rooted. Guaranteed satisfactory in every respect. Now ready for delivery.

Chicago Carnation Co.

A. T. PYFER, Manager.

30 E. Randolph St.,

CHICAGO.

Heacock's Palms and Ferns

HOME GROWN.
Strong and Well Established.

Our Palm sales have increased over 44% during the year 1911 over their sales during the previous year. We are still strong on the following sizes.

Kentia Belmoreana.			
Pot.	Leaves.	In. high.	Each Doz.
2½ in.	4	8 to 10	\$ 1 50
3 in.	5	12	2 00
5 in.	6 to 7	18	\$0 50
6 in.	6 to 7	24	1 00
7 in.	6 to 7	34 to 36	\$2 50
7 in.	6 to 7	36 to 38	\$3 00
9 in.	6 to 7	40 to 45	4 00
9 in.	6 to 7	42 to 48	5 00
9 in.	6 to 7	48 to 54	6 00
Cocos Weddelliana.			
Pot.	In. high.		100
2½ in.	8 to 10		\$10 00

Kentia Forsteriana.			
Made Up.			
Cedar tub.	Plants.	In. high.	Each Doz.
7 in.	4	36	\$2 50
7 in.	4	36 to 40	3 00
9 in.	4	40 to 42	4 00
9 in.	4	42 to 48	5 00
Cibotium Schiedel.			
Cedar tub.	Spread		Each
9 in.	4 to 5 feet		\$4 00 to \$5 00
9 in.	5 to 6 feet		6 00

Areca Lutescens.			
Cedar tub.	Plants in tub.	In. high.	Each
9 in.	Several	5 ft	\$7 50
Phoenix Roebeleni.			
Pot.			Each
5 in.	nicely characterized		\$1 00
6 in.	18 to 20 in. spread		1 50
Cedar			
tub.	High.	Spread.	Each
7 in.	18 in.	24 in.	\$2 00

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station, Jenkintown.

200,000 CARNATIONS

We are rooting over 200,000 this season. Our stock of Pure White Enchantress and Enchantress is hard to beat.

Enchantress	100	1000
Pure White Enchantress	\$3.00	\$25.00
Rose Pink Enchantress	3.00	25.00
Mrs. C. W. Ward	3.50	30.00
Dorothy Gordon	3.50	30.00
White Wonder	6.00	50.00

250 at 1000 rates. Cash or reference.

Smith & Gannett, Geneva, N. Y.

CHRYSANTHEMUMS....

2-in. pots.

Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, at \$7.00 per 100.

ELI CROSS,

25 Monroe Street GRAND RAPIDS, MICH.

Boston Ferns...

2½ in., \$3.00 per 100; \$30.00 per 1000.

WHITMAN

2½ in., \$5.00 per 100; \$40.00 per 1000
250 at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J.

DAHLIAS

The best New and Standard varieties. Send for Wholesale Price List.

BASSETT & WELLER
HAMMONTON, N. J.

Shamrocks

True Irish, strong plants, from 1½-inch pots, \$5.00 per 100, \$45.00 per 1000; 1-inch pots with saucers, \$5.00 per 100, \$45.00 per 1000.

Ferns for Dishes, 2¼ in., \$3.50 per 100; 30.00 per 1000
Asparagus Plumosus, 2¼ in., \$3.50 per 100; \$30.00 per 1000, 3-in., \$6.00 per 100,
500 at 1000 rate. Cash with order.

FRANK OECHSLIN,

-911 Quincy St., CHICAGO

STOCK ALWAYS NEEDED

Fern Dish Ferns, assorted, \$3.00 per 100, \$25.00 per 1000.

Aspidium Tsussimense and Cyrtotium Falcatum, \$3.50 per 100, \$30.00 per 1000.

Asparagus Plumosus, 2½ in., \$3.00 per 100, \$25.00 per 1000.

Asparagus Sprengerii, 2½ in., \$2.50 per 100, \$22.00 per 1000.

Pandanus Utilis, 8-in., \$10.00 per 100; 4-in., \$20.00 per 100.

Cocos Weddelliana, 2½ in., \$10.00 per 100.

Anthericum Variegatum, 4 in., strong, \$8.00 per 100.

Rhododendron, Special forcing varieties, 8 to 12 buds, 18 in. high, 75c each; 12 to 14 buds, 24 in. high, \$1.00 each. Bright colored sorts with perfect foliage.

Azaleas Mollis, easily forced, 12 to 15 in. high, full of buds, 25c each; 15 to 18 in. high, full of buds, 35c each.

Kentia Belmoreana, 6 in. pots, 5 to 6 leaves, 24 in. high, \$1.00 each; 7 in. pots, 6 leaves, 24 to 26 in. high, \$1.50 each.

Kentia Forsteriana, 7 in. pots, 40 to 44 in. high, 5 to 6 leaves, \$2.50 each; 8 in. pots, 44 to 48 in. high, 5 to 6 leaves, \$3.50 each.

BEDDING STOCK

Heliotrope, Czar, Czarina, Jersey Beauty, etc., \$2.50 per 100.

Coleus, Beckwith Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100, \$20 per 1000.

Croton Aurea Maculata, 3-in. pot plants, \$8 per 100.

English Ivy, strong 4-in., 3 to 4 ft. of tops, \$12 per 100; 2-in. pots, \$3.50 per 100.

Violets, Hardy English or Russian, 2-in., \$5 per 100, \$45 per 1000.

Swainsona Alba, 2½ in., \$4.00 per 100.

Violet Swanley White, \$3.00 per 100.

Geranium Mme. Salleroy, strong 2½-2¾ inch, \$2.50 per 100.

Danias, whole roots, good cut flower sorts, our selection of varieties, \$5.00 per 100.

Cannas, Souv. de A. Crozy, Florence Vaughan, Mrs. Kate Gray, Gladiator, \$2.50 per 100; \$20.00 per 1000. Black Beauty, \$4.00 per 100; \$30.00 per 1000. Venus, (Grand Pink) \$5.00 per 100. Indiana, Orange colored, giant orchid flowered, \$7.00 per 100. Strong two and three eyes, fresh divisions. (See catalog No. 5 for complete list.)

No better proposition for Easter or Memorial Day.

THE STORRS & HARRISON CO., Painesville, O.

Don't Delay
Ordering

CARNATION BENORA

NOW for seasonable delivery.

Write for descriptive circular. Cultural directions with each shipment.

\$12.00 per 100; \$100.00 per 1000.

PETER FISHER, Ellis, Mass.

Mention the American Florist when writing

Order Now. Look up your needs for the Spring trade and place your order at once. Don't wait until you actually need the stock. Early orders will prove a mutual benefit

NEW ROSES FOR 1912

Double White Killarney—(Budlong)

The most valuable White Forcing Rose ever offered.
Own roots.....each, 75c; doz., \$6.00; 100, \$25.00; 1000, \$200.00
Grafted.....each, 75c; doz., 7.50; 100, 30.00; 1000, 250.00

Killarney Queen—(Budlong)

A cerise pink sport of Killarney.
Own roots.....each, 75c; doz., \$6.00; 100, \$25.00; 1000, \$200.00
Grafted.....each, 75c; doz., 7.50; 100, 30.00; 1000, 250.00

Lady Hillingdon.

An excellent forcing variety of a deep coppery yellow.
Own roots.....each, 40c; doz., \$3.00; 100, \$20.00; 1000, \$150.00
Grafted.....each, 40c; doz., 4.00; 100, 25.00; 1000, 200.00

Sunburst.

An intense shade of golden yellow. Own roots...each, 75c doz., \$5.00



JESSIE, THE NEW BABY RAMBLER.

BABY RAMBLERS

	Each	Doz.	100	1000
Crimson Baby , 2 year	\$0 20	\$2 00	\$14 00	\$135 00
3 year	25	2 50	16 00	150 00
Jessie , "the best of all," 2 year, selected	35	3 50	25 00	240 00
3 year, selected	45	4 50	30 00	
Orleans , 2 year, bushy.....	35	3 50	25 00	
Phyllis , 2 year.....	25	2 00	16 00	155 00

STANDARD SORTS

Dormant, Two-Year, Field Grown and Budded Plants unless otherwise noted.	Doz.	100	Dormant, 2 1/2-in. pots.	Doz.	100
Alfred Colomb , bright red	\$2 00	\$14 00			
American Beauty , deep pink	2 00	15 00	\$1 25	\$8 00	
Baron de Bonstetten , dark red.....	2 00	14 00			
Baroness Rothschild , satiny pink.....	2 00	14 00			
Cardinal , dark red.....			1 00	7 00	
Captain Christy , flesh white.....	2 00	15 00			
Caroline Testout , satin rose.....	2 00	15 00			
Clothilde Soupert , pearly white.....			60	4 00	
3-inch pot plants, doz., 85c; 100, \$6 00. Write for prices on thousand lots.					
Fisher Holmes , deep crimson.....	2 00	14 00			
Frau Karl Druschki , best white.....	2 00	15 00			
Gen. Jacqueminot , bright crimson.....	2 00	14 00			
Gen. Washington , crimson scarlet.....	2 00	14 00			
Gruss an Teplitz , scarlet crimson.....	2 00	15 00	60	4 00	
Hermosa , bright pink.....	2 00	15 00	60	4 00	
Hugh Dickson , brilliant crimson.....	2 50	18 00			
John Hopper , rosy crimson.....	2 00	14 00			
J. B. Clark , intense scarlet.....	2 00	15 00			
Kais. Aug. Victoria , white.....	2 50	18 00	75	5 00	
Killarney , choice pink.....	2 50	18 00	85	6 00	
Grafted, doz., \$2 00; 100, \$15 00.					
Killarney, Double Pink			2 50	12 00	
Grafted, doz., \$3 00; 100, \$20 00.					
Killarney, White	3 00	22 00	1 00	7 00	
Grafted, doz., \$2 00; 100, \$15 00.					
La France , bright satin pink.....	2 00	15 00			
Lady Ashdown , very pale rose.....	2 50	18 00			
Mabel Morrison , pure white.....	2 00	15 00			
Mme. Abel Chatenay , salmon pink.....	2 00	15 00			
Mme. Gabriel Luizet , satiny pink.....	2 00	14 00			
Mme. Jules Grolez , cherry red.....			75	5 00	
Mme. Segond Weber , rosy salmon.....			75	5 00	
Magna Charta , deep pink.....	2 00	14 00			
Maman Cochet , pink or white.....			75	5 00	
Marshall P. Wilder , bright red.....	2 00	15 00			
Moss , double pink and white.....	2 00	15 00			
Mrs. Aaron Ward , golden orange.....			1 50	10 00	
Grafted, doz., \$3 00; 100, \$20 00.					
Mrs. John Laing , bright pink.....	2 00	14 00			
Mrs. R. G. S. Crawford , flesh pink.....	2 00	14 00			
My Maryland , salmon pink, Grafted stock only, doz., \$2 00; 100, \$15 00.					
Paul Neyron , deep rose.....	2 00	14 00			
Perle des Jardins , straw yellow.....			1 00	7 50	
Persian Yellow , yellow.....	2 00	15 00			
Prince Camille de Rohan , crimson.....	2 00	14 00			
Prince de Bulgarie , salmon pink.....			1 00	7 50	
Grafted, doz., \$2 00; 100, \$15 00.					
Richmond , handsome crimson.....			1 00	7 50	
Soleil d'Or , yellow.....	2 50	18 00			
Souv. de Pres. Carnot , flush white.....			85	6 00	
Ulrich Brunner , cherry crimson.....	2 00	14 00			
W. R. Smith , creamy white.....			5	6 00	

CLIMBING ROSES

	Each	Doz.	100
American Pillar , single pink.....	\$0 30	\$3 00	\$22 00
Baltimore Belle , pale blush.....	20	2 00	12 00
Crimson Rambler , 2 year select.....	20	2 00	15 00
3 year select.....	25	2 50	18 00
Dorothy Perkins , shell pink, 2 year select.....	20	2 00	15 00
3 year select.....	25	2 50	18 00
Flower of Fairfield , everblooming Crimson Rambler.	25	2 50	18 00

	Each	Doz.	100
Hiawatha , single crimson.....	\$0 30	\$3 00	\$20 00
Lady Gay , beautiful cherry pink.....	30	3 00	20 00
Prairie Queen , red changing to pink.....	20	2 00	14 00
Tausendschon , single bright pink.....	25	2 50	18 00
Veilchenblau , violet blue.....	20	2 00	16 00
White Dorothy Perkins , pure white.....	30	3 00	20 00

CHICAGO

VAUGHAN'S SEED STORE,

NEW YORK

Greenhouses, Nursery and Trial Grounds at Western Springs, Ill.

ORCHID PEAT

(Osmunda Fibre)

Price Lists and Samples on request.

THE C. W. BROWNELL CO.,
WALDEN, N. Y.

Orchid Trade

H. STANLEY (Late Stanley & Co.),

Sandcross Lane, REIGATE, ENGLAND,
will ship *Oncid. Varicosum* and *Capt. Loddigesii*
in April and May. Enquire now.

Orchids

Fresh Importations. Finest Selected commercial Varieties, our own collection.

Cattleya Lablata, *Cattleya Mendelli*,
Cattleya Percivaliana, *Cattleya Gaskelliana*,
Cattleya Trianae, *Cattleya Mossiae*,
Cattleya Schroederiae, *Cattleya Speciosissima*,
Oncidium Varicosum, *Oncidium Splendidum*,
Rogersii.

April delivery. Send for catalogue.

G. L. FREEMAN, Wellfleet, Mass

The Early Advertisement Gets There

Index to Advertisers.

Table listing various florists and their page numbers, including Advance Co, Allen J K, Alpha Floral Co, American Importing Co, etc.

Table listing various florists and their page numbers, including McCullough's J M, C Sons Co, McHutchison & Co, McKeller Chas W, etc.

Gold Letters

Gold and Purple Scripts. Gunned Gold, Silver and Purple Letters, for inscriptions for Floral Designs. Best and Cheapest on the market. Send for samples and prices.

J. Lichtenberger, 1594 Avenue A, NEW YORK Telephone Lenox 5644.

Mention the American Florist when writing

Advertisement for PILLSBURY Carnation Staple, featuring an image of a carnation and text: 'SPLIT CARNATIONS Quickly, easily and cheaply Mended. No tools required. Patented 1908. 2000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.'

Mention the American Florist when writing

Advertisement for Ventilating Apparatus, featuring an image of a mechanical device and text: 'Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy. Send us the full dimensions of your house or houses, and we will quote you an attractive price. Write for catalog anyway: it will interest you.'

ADVANCE CO., Richmond, Ind.

Mention the American Florist when writing

Advertisement for THE BOOK OF GLADIOLUS, featuring an image of a gladiolus flower and text: 'THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120 page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated. PRICE, POSTPAID, \$1.25 AMERICAN FLORIST CO. 440 So. Dearborn St. CHICAGO.'

BUDDING KNIFE FREE See Page 353.

Advertisement for WILKS' Hot Water Boilers, ARE THE MOST ECONOMICAL Boiler for Greenhouses No Night Fireman Required with our SELF-FEEDING HOT WATER BOILERS. Send for Catalog and Prices. S. WILKS MFG. CO., 808 Shields Ave. CHICAGO.

Advertisement for Model Extension Carnation Support, featuring an image of a support structure and text: 'Model Extension Carnation Support Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market. Pat. July 27, '97, May 17, '91 GALVANIZED WIRE ROSE STAKES. Write for prices before ordering elsewhere. Prompt shipment guaranteed IGOE BROS., 286 North 9th St., BROOKLYN, N. Y. Mention the American Florist when writing'

Ready Reference Section.

10 CENTS PER LINE, NET.



ACHYRANTHES.

Achyranthes, rooted cuttings, P. de Bailey, Metallica, Lindeul, Warscewiczii, \$6 per 1,000; 2-in., P. de Bailey, \$2.50 per 100; Metallica, Lindenl, Warscewiczii, \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.
Achyranthes, Emersoni, Besteri, Mosacia, 2 in. \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

AGERATUMS.

Ageratum, Stella Gurney, Princess Pauline, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALTERNANTHERAS.

Alternantheras, R. C., P. major, A. Nana, 50c per 100; \$4 per 1,000. Brilliantissima, 60c per 100; \$5 per 1,000. J. W. Davis, 225 W. 16th St., Davenport, Iowa.

ARAUCARIAS.

Araucaria excelsa, 5 1/2-in., 6 to 7-in., 50c, 60c, 75c, \$1, \$1.25 to \$1.50. Robusta compacta and glauca, 6-in., \$1, \$1.25 to \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechsli, 4911 Quincy St., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus baskets, \$1, \$1.50 and \$2 each. Plumosus, 2-in., 40c per doz.; \$3 per 100; 3-in., 75c per doz.; \$6 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 6-in., \$4 per doz.; \$30 per 100. Asparagus S. D., 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus plumosus nanus, from 2 1/4-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus nanus, extra heavy, 3 1/4-in., \$1.50 per 100. Sprenger, 3 1/4-in., \$4 per 100. Place your order now if you want some of these plants. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus nanus, 2-in., 50c per doz.; \$3 per 100; 2 1/2-in., 75c per doz.; \$4 per 100; 3-in., \$1 per doz.; \$7 per 100. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus nanus, 2 1/4-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechsli, 4911 Quincy St., Chicago.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. Sprenger, 2 1/2-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengeri, 2 1/2-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2 1/2-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprengeri, can be shifted into 5-in., \$6 per 100. C. C. Polworth Co., Milwaukee, Wis.

Asparagus plumosus, 3 1/2-in. pots, \$5 per 100. Wm. Duntermann, Bensonville, Ill.

Asparagus plumosus, \$2.50 per 100; \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 1/4-in., \$2 per 100; \$18 per 1,000. Joseph H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

ASPIDISTRAS.

Aspidistras, variegated, 15c per leaf. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

AZALEAS.

Azaleas, Empress of India, 75c, \$1 and \$1.50 each. Van der Cruyssen, 75c, \$1, \$1.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea Mollis, 12 to 15 ins., 25c each; 15 to 18 ins., 35c each. Storrs & Harrison Co., Painesville, O.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Rochrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonias, Vernon, white and pink, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Rex begonia, assorted, 3-in., \$5 per 100. The Dingee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood, Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, tuberoses, Dwarf Pearl, 1st size, 4-6 in., \$9 per 1,000; medium, 3-4 in., \$5. Gladiolus, Mrs. Francis King, 1st size, \$20 per 1,000; medium, \$17; Augusta, 1st size, \$18; medium, \$16; America, medium, \$27.50; Florist XXX, mixed, \$15. Caladium esculentum, 5-7 in., \$15; 7-9, \$30; 9-11, \$55. Lillium giganteum, 250 to 300 to case, 7-9, \$65 per 1,000; L. Rubrum, 9-11, \$80; L. Melpomene, 9-11, \$85; L. Album, 8-9, \$95; L. Auratum, 8-9, \$32.50; 9-11, \$90. Vaughan's Seed Store, Chicago and New York.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, tuberoses, Dwarf Pearl, 1st size, \$1.10 per 100; \$9.50 per 1,000. Caladiums, 5-7, \$2 per 100; 7-9, \$3.50; 9-11, \$6. Begonias, single mixed colors, \$2 per 100; \$20 per 1,000; double separate colors, \$4 per 100; \$35 per 1,000. Gloxinias, separate colors, \$3.50 per 100; \$30 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Gladioli bulbs. Extra choice mixture of Groff's Hybrids. Choice named varieties among lot, 1 1/2 to 2 1/2-in., \$6.75 per 1,000; 80c per 100; 1 to 1 1/2-in., \$3.50 per 1,000; 40c per 100; under 1-in., \$1.50 per 1,000; 25c per 100. Pearl G. Waltz, R. D. 24, Box 122, South Akron, Ohio.

Gladiolus, Mrs. Francis King, 2nd size, \$12 per 1,000; 3rd size, \$3. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Bulbs, Lillium Harrisil, 7-9, \$17 per case of 250 bulbs. White hyacinths, 12-15 cms., \$18 per 1,000. Paper White Grandi, Narcissus, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horeshoe Brand Lillium Harrisil. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginaeott, etc., Lilies. E. S. Miller, Wading River, N. Y.

Bulbs, hyacinths, tulips, narcissus, crocus, spireas, gladiolus, peonies, etc. Van Zanten Bros., Hillegom, Holland.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Gladiolus. I have a small surplus of named gladioli that I offer at reduced prices. Write for surplus list. LILLESAND, Cambridge, Wis.

Bulbs, begonias and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs, Burnett Bros., 72 Corlandt St., New York.

Bulbs. Surplus of L. Multiflorum, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Japanese lily bulbs. S. Miyake & Co., 1020 Main St., Seattle, Wash.

Bulbs. Currier Bulbs Co., Seabright, Calif.

CANNAS.

THE IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crinson Bedder, Chas. Henderson, David Harum, Allemania, Shenandoah, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

Cannas. For varieties and prices see advertisement elsewhere in this issue. W. W. Coles, Kokomo, Ind.

Cannas. For varieties and prices see advertisements elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Cannas. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Cannas, Chas. Henderson, 2 to 3 eyes, \$2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

CARNATIONS.	
Strong, Well Rooted Cuttings.	
	Per 100 Per 1000
Washington	\$8.00 \$50.00
White Wonder	6.00 50.00
Gloriosa	6.00 50.00
Pink Delight	6.00 50.00
Bonfire	6.00 50.00
Christmas Cheer	6.00 50.00
Princess Charming	6.00 50.00
White Enchantress, pure white	3.00 25.00
White Perfection	3.00 25.00
Victory	3.00 25.00
Scarlet Glow	3.00 25.00
Afterglow	3.00 25.00
Rose Pink Enchantress	3.00 25.00
Dorothy Gordon	3.00 25.00
Enchantress	3.00 25.00
May Day, very fine	3.00 25.00

CHICAGO CARNATION CO.
A. T. Pyfer, Mgr. 30 E. Randolph St., Chicago.

FINE CARNATION CUTTINGS.	
	Per 100 Per 1000
Victory	\$2.00 \$15.00
Winsor	2.00 15.00
White Lawson	2.00 15.00
Pink Lawson	2.00 15.00
Washington	6.00 50.00
Enchantress	3.00 25.00

WIETOR BROTHERS,
162 N. Wabash Ave., Chicago.

Carnations, from pots, White Perfection, White Enchantress, Dorothy Gordon, Wuona, Enchantress, Beacon, Victory, \$2.50 per 100; \$25 per 1,000. Mrs. C. W. Ward, \$3.50 per 100. Washington and White Wonder, \$5 per 100. A. M. Herr, Lancaster, Pa.

Carnations. Wm. Swayne, Box 85, Kennett Square, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnations, Washington, Bright Spot, \$6 per 100; \$50 per 1,000. Mrs. C. W. Ward, \$4 per 100; \$30 per 1,000. Sangamo, Dorothy Gordon, White Enchantress, Enchantress, White Perfection, May Day, Beacoa, Scarlet Glow, \$3 per 100; \$25 per 1,000. A. C. Brown, Springfield, Ill.

Carnations, Gloriosa, Norwood, \$6 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Perfection, \$3.50 per 100; \$30 per 1,000. White Enchantress, Enchantress Beacoa, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Rosette, \$12 per 100; \$100 per 1,000. Scarlet Glow, White Perfection, \$3 per 100; \$25 per 1,000. Bonfire, \$6 per 100; \$50 per 1,000. Rose P. Enchantress, \$3 per 100; \$25 per 1,000. F. Dorrer & Sons Co., LaFayette, Ind.

Carnations, Washington, \$6 per 100; \$50 per 1,000; Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000; Beacoa, \$3 per 100; \$25 per 1,000; White Enchantress, \$3 per 100; \$25 per 1,000; May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000; White Wonder, \$6 per 100; \$50 per 1,000. Smith & Guadet, Geneva, N. Y.

Carnations, strong rooted stem cuttings, Washington, \$50 per 1,000. Winsor, \$15 per 1,000. Victory, \$13 per 1,000. White Perfection for later delivery, \$15 per 1,000. 100 at 1,000 rate. Cash or references. Northwestern Floral Co., Gross Point, Ill.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weber; Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y. Chas. H. Totty, Madison, N. J.

Carnations. Beacoa, White Enchantress, \$2.50 per 100; \$20 per 1,000. R. P. Enchantress, Enchantress, \$2 per 100; \$17.50 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Carnations. Percy Jones, 56 E. Randolph St., Chicago.

Carnation Benora, \$12 per 100; \$100 per 1,000. Peter Fisher, Ellis, Mass.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

March 1st delivery.

- Crimson. R. C. Per 100. Per 1,000. Pockets Crimson \$2.50 \$20.00 Intensity \$2.00 15.00 White. R. C. Per 100. Per 1,000. Alice Byron \$2.00 \$15.00 Touset 2.00 15.00 October Frost 2.00 15.00 Yellow. R. C. Per 100. Per 1,000. Crocus \$4.00 \$35.00 Golden Glow 2.00 15.00 Heilday 2.00 15.00 Maj. Bonafon 2.00 15.00 Pink. R. C. Per 100. Per 1,000. Pacific Supreme \$2.00 \$15.00 J. D. THOMPSON CARNATION CO., JOLIET, ILL.

Chrysanthemums, Early Snow, Estelle, Golden Glow, Pacific, Supreme, Bonafon, J. Nonin, Nagoya, rooted cuttings, \$1 per 100. Edward Wallis, Atco, N. J.

Chrysanthemums, 2-in. pots, Smith's Advance, Onaka, Glen Cove, Mrs. David Syme, \$7 per 100. Ell Cross, Grand Rapids, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, Chadwick, Supreme, Roman Gold and Smith's Advance. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemum Maximum perfectum (Improved Shasta daisy), seedlings, \$5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Hardy chrysanthemums, 2-in., \$2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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

Chrysanthemums, Wm. Swayne, Box 85, Kennett Square, Pa.

CINERARIAS.

Cinerarias, the largest flowering group, fine 3-in., \$3.50 per 100. J. W. Miller, Shiremans-town, Pa.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reess Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, Brillantissims, 2-in., \$3 per 100; 3-in., \$4. G. Bedder, Verschaffeltii, Queen Victoria, 2-in., \$2; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, G. Bedder, Verschaffeltii and standard sorts, \$6 per 1,000. Giant-leaved, \$2.50 per 100. A. M. Herr, Lancaster, Pa.

Coleus, 2-in., Pfister, red and yellow Beckwith's Gem, \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago.

Coleus. A. N. Pierson, Inc., Cromwell, Conn.

CYPERUS.

Cyperus, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrill pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, a choice list of best novelties and varieties for cutting or garden use. True to name. Send for catalogus of dahlias, hollyhocks, hardy plants, etc. Prices reasonable. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlias, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias. For varieties and prices, see advertisement on front cover page. E. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, new and standard varieties. Bassett & Weller, Hammetton, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

JAISIES.

Marguerites, yellow, cuttings, \$6 per 1,000; \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DEUTZIAS.

Deutzia gracilis, 20c each; \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracaena indivisa, 2-in., \$3 per 100; \$25 per 1,000; 7-in., \$1.25 each; \$15 per doz. Dracaena Massangeana, \$1.25 each; 7-in., \$1.50 each. Dracaena terminalis, 4-in., 35c each; \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmsan, Newton, N. J.

FERNS.

Ferns, Boston, 2-in., \$3 per 100; \$25 per 1,000; \$12 per doz.; \$8 per 100; 4-in., \$1.50 per doz.; \$1 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; \$45 per 100; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz.; 10-in., \$2.50 each; 12-in., \$3.50 to \$5 each. Boston fern baskets, \$1, \$1.50 and \$2 each. Assorted ferns for dishes, 2-in., 40c per doz.; \$3 per 100; \$25 per 1,000. Cibotium, 7-in., \$2.50 each; \$30 per doz.; 8-in., \$3 each; \$30 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HARDY NATIVE FERNS.

Adiantum pedatum; Asplenium cheneum, trichomanes; Aspidium acrostichoides, cristatum, Marginale, Novaboracensis, spinulosum, thelypteris; Camptosorus rhizophyllos; Dicksonia punctilobula; Onoclea sensibilis; struthiopteris; Osmunda cinnamomea; Claytoniana, regalis; Polypodium vulgare; Woodsia ilvensis, Wordwardia Virginiae. L. E. WILLIAMS, Exeter, N. H.

Ferns, Boston, 5-in., \$3.25 per doz.; \$25 per 100; 2 1/2-in., \$5 per 100. Superbissima, 2 1/2-in., \$6 per 100. Whitmani, 5-in., \$30 per 100. These are all first-class, clean, full pot-grown plants. Superior Nursery Co., 59th St. and Compton Ave., Los Angeles, Calif.

Ferns for dishes, Pteris Mayl, Wilson, Winstettl and Alba lineata, 2 1/2-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 3-in. Pteris Wilson and Winstettl, 85c per doz.; \$6 per 100. Vaughn's Seed Store, Chicago and New York.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000. Ferns, strong plants, 2-in., \$3 per 100; \$25 per 1,000. Adiantum Parleyense, strong plants, 4-in., \$4 per doz. Cash please. Rober & Radka, Maywood, Ill.

Ferns, Amerpohl, Barrowsii, Scotti, Elegan-tissims, Boston, Jackson, Sword and Whitmani, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dinges & Coard Co., West Grove, Pa.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitmani, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Burrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Ochslein, 4911 Quincy St., Chicago.

Ferns, 4-in., \$12 per 100, Boston, Barrows, Elegan-tissims. Also 2 1/2-in., Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmsan, Newton, N. J.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Ferns for dishes, assorted, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Ferns. Bobbiok & Atkins, Rutherford, N. J.

FICUS.

Ficus Repens, 2 1/2-in., \$4 per 100; 4-in., \$10 per 100. These are extra strong and ready to shift. Superior Nursery Co., 69th St. and Compton Ave., Los Angeles, Calif.

Ficus elastica, 6-in., 50c each; \$6 per doz. Ficus ripens, 2 1/2-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GERANIUMS.

ROOTED GERANIUM CUTTINGS. Nutt, Grant, Poitevine, Buckner, for delivery, March 15th to 30th, \$1.50 per 100; \$14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums.—For varieties and prices see advertisement on front cover of this issue. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Nutt, \$11.50 per 1,000. Ricard and Poitevine, \$14 per 1,000. A. M. Kerr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emmsan, Newton, N. J.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Leckes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens. Henry M. Robleson & Co., 40 W. 26th St., New York.

HARDY PLANTS.

HARDY NATIVE PLANTS.

Actea rubra; Asclepias incarnata; Calla palustris; Caltha palustris; Cheleone glabra; Cimicifuga racemosa; Epilobium angustifolium; Erythronium Americanum; Eupatorium purpureum, perfoliatum; Gentiana Andrewsii, linearis; Hepatica triloba; Liliium Canadense, Phlaidelphi-cum; Lobelia cardinalis; Mertensia Virginica, Nymphaea odorata; Solidago; Thalictrum cornu-ti; Typha angustifolia, latifolia; Veronica officinalis and many others. L. E. WILLIAMS, Exeter, N. H.

Herbaceous plants. Bobbiok & Atkins, Rutherford, N. J.

HOLLYHOCKS.

HOLLYHOCKS.—A fancy mixture of the Allegheny strain. Pure, clean seed, \$4 per lb. Why not grow your own plants? W. W. Wilmore, Box 382, Denver, Colo.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. O. Schmidt, Bristol, Pa.

HELITROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell Conn.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Heliotrope. Albert De Laux, Chioftain, Mmc. Braun, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope. 3-in., \$1 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otakan, 0-7 inch, 3 to 4 flowering stems, \$5 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Parlor Ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, German, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English Ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

English Ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantana, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantana, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, M. Legraye, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, n. Hamburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the Valley, Chicago Market Brand, \$2 per 100; \$17 per 1,000. Florist's Money Maker, \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3033-42 W. Madison St., Chicago.

LOBELIAS.

Lobelias Kathleen Mallard, rooted cuttings, \$6 per 1,000; 2-in., \$3 per 100; \$25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

MUSHROOM SPAWN.

Mushroom Spawm. Lambert's Pure Culture. American Spawm Co., St. Paul, Minn.

NURSERY STOCK.

ORNAMENTAL NURSERY STOCK.

Acer Pennsylvaniaeum, Rubrum, saccharum, spicatum; Amelanchier Canadensis, Botryapium; Azaloe canescens, nudiflora, viscosa; Betula lenta, lutea, papyracea, populifolia; Calcestrus scandens; Clethra alnifolia; Cornus alternifolia, Canadensis, coccinea, paniculata, Florida, sericea, stolonifera; Dirca palustris; Epigaea repens; Ilex verticillata; Kalmia angustifolia, latifolia; Ledum latifolium; Myrica gale; Ostrya virginica; Populus grandidentata, tremuloides; Prunus Pennsylvaniaeum, virginiana, Rhodora canadensis; Rhus copalina, glabra, typhina; Rosa Carolina, lucida, nitida, rubiginosa; Spiraea laevis, tomentosa; Vaccinium Corymbosum, Pennsylvaniaeum, vacillans; Viburnum acerifolium, cassinoides, dentatum, lantana, Lentaga, Cuspressus thyroides; Juniperus communis, Nana, Virginiana; Pinus resinosa, rigida, strobus; Taxus Canadensis; Tsuga Canadensis and many others. L. E. WILLIAMS, Exeter, N. H.

900 White Snowberry, 2½ to 3½ feet, \$5 per 100. 1,500 Golden Willow, 3 to 4 feet, \$4 per 100. 800 Buckthorn, 4 to 5 feet, \$5 per 100. Sprea Van Houttei, 2½ to 3½ feet, \$5 per 100. HENRY LAKE SONS CO., Nurserymen, Black River Falls, Wis.

Nursery stock, trees, shrubs and perennials. For varietals and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Japan Maple, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Evergreens. D. Hill Nursery Co., Box 401, Dundee, Ill.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Reigate, England.

Orchids, Cattleya and Laelia Aucepa. G. L. Freeman, Wellfleet, Mass.

Orchid pent. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$1.50 per doz. Veitch, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

KENTIA BELMOREANA, 2½-in. pots, 10-15 inches tall, four or more characterized leaves, \$9 per 100 and worth the money. Jackson & Perkins Co., Newark, New York.

Palms, Phoenix Canariensis and Areca Sapida. For prices see advertisement elsewhere in this issue. The Kentia Nurseries, Santa Barbara, Calif.

Palms. For varietals and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palma. For varietals and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varietals and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

SOMETHING NEW, something different from our gardens—THE PANSY WONDERLAND. New color plate catalogue ready March 1st. Tells all about "MASTODONS," the premier mixed strain of pansies. Reset plants, 100, \$2.50; 1,000, \$22.50 prepaid; seed, 1-12 oz., \$1; oz., \$9. STEELE'S MASTODON PANSY GARDENS. Portland, Oregon.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, galliards, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Erlatol, Pa.

Pansies, transp. seedlings, \$5 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, dbl. mixed and white, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, dormant atock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIMULAS.

Miller's Giant Obconica, average larger than alver dollars. Fine 3-inch, \$5 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

PRIVET.

200,000 Cal. Privet, 2-year, \$12 per 1,000; 4 to 6 branches and up; large atock Ampelopsis Veitchii, Clematis Paniculata, 1, 2 and 3-year-old; fine atock Hydrangeas, English Ivy, Shrubs, Vines, Dahlias and Cannas. Get my list; it will pay you. Benj. Connell, Florist, Merchantville, N. J.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

Privet, California, 6 to 12-in., \$4 per 1,000; 12 to 18, \$6; 18 to 24, \$8; 2 to 3 feet, \$10; 3 to 4 feet, \$15. Oak Lawu Nursery, Huntville, Ala.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 in., 3c. The Dinges & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 8 to 12 buds, 18 ins., 75c each; 12 to 14 buds, 24 ins., \$1 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 ins. named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

Rhododendrons, 75c, \$1 and \$1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROOTED CUTTINGS.

Rooted cuttings, verbenas, 60c per 100; \$5 per 1,000. Salvias, 80c per 100; \$7 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Giant dbl. Alyssum, 80c per 100. Ageratum, 60c per 100; \$5 per 1,000. Petunias, \$1.25 per 100; \$10 per 1,000. Pelargoniums, \$2.50 per 100; \$22 per 1,000. Heliotrope, 80c per 100; \$7 per 1,000. Daisies, \$1 per 100; \$8 per 1,000. Feverfew, \$1 per 100; \$9 per 1,000. S. D. Brant, Clay Center, Kans.

ROSES.

ROOTED CUTTINGS.

American Beauty	100	1,000
Richmond	\$4.50	\$40.00
Pink Killarney	2.00	15.00
White Killarney	3.00	25.00
AMERICAN BEAUTY BUNCH PLANTS.	2.50	20.00

\$7.50 per 100; \$70.00 per 1,000. RICHMOND BENCH PLANTS. 1 year old, \$6 per 100; \$50 per 1,000. Satisfaction Guaranteed—Ready Now.

GEO. REINBERG, Chicago, Ill. 162 N. Wabash Ave.

Kaiserin roses, 2-year-old, field-grown, in 4-in. pots, ready for bench, \$15 per 100. Mrs. Joseph Bock, Burlington, Iowa.

ROSES.—Fine healthy stock. White and Pink Cochet, Souv. de P. Notting, Apricot, Clo. Souper, Grusa an Teplitz, Sunrise, Frans Deegan, Wellesley, Mrs. B. R. Cant and Climbing Souper, 2-in., \$3 per 100. Wagner Park Conservatories, Sidney, O.

ROSES. Own-root. My Maryland, Pink Killarney, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2½-in. pots, \$5 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthus, Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

ROSES. Send for New Trade List just out. THE CONARD & JONES Co., West Grove, Pa.

Roses, Eastern Nurseries, 1090 Centre St., Jamaica Plain, Mass.

SALVIAS.

Salvias, rooted cuttings, Bonfire, Zurich, \$6 per 100; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Salvias, Bonfire, Zurich, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Salvias. A. N. Pierson, Inc., Cromwell, Conn.

SEEDS.

High grade ASTER SEED grown by the aster specialists from carefully selected seed, in Oregon, the natural home of the aster. Giant Crego Aster, white, shell pink, rose pink and purple, ¼ oz., 40c; ounce, \$3. Vick's Mikado Pink "Rochester," a beautiful lavender pink, ¼ oz., 40c; ounce, \$3. Ask for descriptive circular. Herbert & Fleishauer, McMinnville, Oregon.

SOW NOW if you want them for early Spring sales.
Begonia Bedding Queen, finest pink, \$2.50 \$0.50
" Gracilis luminosa, finest red, 2.50 .50
" Triumph, finest white..... 2.50 .50
O. V. Zangen, Hoboken, N. J.

GEORGIA CABBAGE—COLLARD SEED:—Hundred pound lots and over, 35c per pound, f. o. b. Cairo, Ga. Less than hundred pounds, 40c per pound. Quantity limited. Order today. Mauldin Bros., Cairo, Ga.

Choice, unsprouted onion sets, yellow, \$1.70; white, \$2 per 32 lbs. Bushel sacks included. Sluis Seed Store, 544 W. 63rd st., Chicago.

Seeds, Specialties: Beet, carrot, sweet corn, peas, beans, onion sets, seed potatoes. S. D. Woodruff & Sons, Orange, Conn., and New York City.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, Asparagus plumosus nanus, per 100 seeds, 60c; 250 seeds, \$1.25; 1,000 seeds, \$4; 5,000 seeds, \$3.75 per 1,000. Vaughan's Seed Store, Chicago and New York.

Seeds, chrysanthemum popples new and Shirley, 1 pkt. each 50c. M. J. Schaaf, Dansville, N. Y.

Seeds, pansy, 1,000 mixed, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Flower seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, beans, peas, radish and all garden seeds, onion sets. Leonard Seed Co., 226-30 W. Kinzie St., Chicago.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seeds, lawn grass. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Onion seed and onion sets. Schilder Bros., Chillicothe, Ohio.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, Watermelon and Muskmelon. J. Frank Corry, Enid, Okla.

Seeds, sunflower, \$3.50 per 100 lbs. J. Bologna & Son, Baltimore, Md.

Seeds, flower, for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

SHAMROCKS.

Shamrocks, true Irish, strong plants, 1 1/2 and 1-in. pots, with saucers, \$5 per 100; \$45 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

SMILAX.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spiraea Gladstone, \$3 per doz. Queen Alexandra, \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

STRAWBERRY PLANTS.

Full Bearing Strawberry Plants, best varieties. Catalogue free. Basil Perry, Cool Spring, Del.

TRADESCANTIA.

Tradescantia, variegated, 2-in., 40c per doz.; \$3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VERBENAS.

VERBENAS—Our selection of rooted cuttings, 75c per 100; \$6 per 1,000. Plants, 2 1/4-in., \$2.50 per 100; \$20 per 1,000. Purchaser's Selection, rooted cuttings, 90c per 100; \$8 per 1,000. Plants, \$3 per 100; \$25 per 1,000. NEW VARIETIES, cuttings, \$1 per 100; plants, \$4 per 100. J. L. DILLON, Bloomsburg, Pa.

Verbenas, 5 colors, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon Verbenas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VINCAS.

Vinca variegated, exceptional strong pot-growth, we have too many, so will sacrifice to reduce stock; 2 1/4-in., 2c; 3-in., 5c; 5-in., 10c; the 5-in. are so very strong they would stand division of roots well; they are just right for shipping now; very heavy rooted with medium vines. Cash. The Thos. Chapman Floral Co., 801 West Sixth Ave., Denver, Colo.

Vinca variegata, 2 1/4-in. pot plants, \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vincas, 2-in., \$2.50 per 100; 3-in., \$5; 4-in., \$2 per doz.; \$15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca, new golden (minor aurea), 3-in., \$2 per doz.; \$15 per 100. Wm. Tricker, Arlington, N. J.

BOILERS.

Boilers. The Moulner-Furman; 200 sizes and styles. John C. Moulner Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

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Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, dooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, 1 to 2-ins. thick, random or specified widths, 10 to 16 feet. William-Kuny Mill and Lumber Co., Mound City, Ill.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Steel and iron work. Scully Steel and Iron Co., Chicago and New York.

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Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

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The cheapest and most practical Hotbed and Cold Frame Mat on the market. Send for circular and price list. Watts Bros., Kerrmoor, Pa.

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Crestlawn ball-bearing mowers, 14-in., \$12; 16-in., \$13; 18-in., \$14; 20-in., \$15. The F. & N. Lawn Mower Co., Richmond, Ind.

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Olmsted's Improved Reliable Mole Trap. L. H. Olmsted Sons, Hasbrouck Heights, N. J.

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Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughn's Seed Store, Chicago.

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Can You Grow Just as Good Cucumbers in Your House in the Fall and Winter Months as in the Spring?

SOME say they can't. This house is owned by a grower at Milford, Mass., who can. He also averages eight and nine struts of heavy fruited tomatoes to every vine. He recently told us two reasons that he

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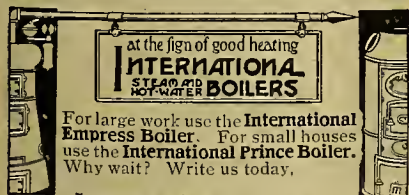
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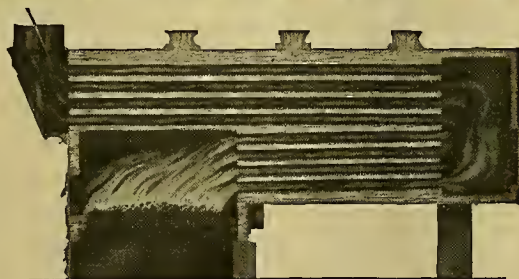
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— AND INITIALS —

FOR FUNERAL DESIGNS AND OTHER PURPOSES

Write for samples and lowest prices to

AMERICAN IMPORTING CO.,

219 So. Dearborn St., CHICAGO.

Tobacco Paper "Nico-Fume" LIQUID

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

OVER 40% NICOTINE

By far the
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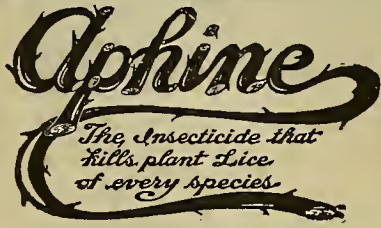
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24 sheets.....	\$ 0.75
144 sheets.....	8.50
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Furnishes the Most Nicotine for the Money!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.



Grand Rapids, Mich., February 6, '12.
THE APHINE MANUFACTURING CO.,
Madison, N. J.:

Gentlemen: In reply to your letter of January 27th, will say that we have been using FUNGINE on lettuce for dry wilt, on roses for mildew, also on growing tomato plants. We are very much pleased with the success that we have had with it.

We use the APHINE for lice on lettuce, instead of — (a nicotine preparation) and other mixtures. We also find this to be very successful.

Kindly advise us if you put this up in barrel lots. If so, give us prices, as we will be using more and more of this FUNGINE as the season advances.

We will be glad to refer any of the Grand Rapids growers to these products.

Yours very truly,
GRAND RAPIDS GREENHOUSE CO.

FUNGINE

For Sale by Seedsmen.

Manufactured by
Aphine Manufacturing Company
MADISON N. J.

Cattle Manure in Bags
Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequaled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago.

WILMINGTON, MASS.—Benjamin F. Waitt died at his greenhouses February 20 of acute indigestion, aged 66 years. He is survived by a daughter and four sisters.

MINNEAPOLIS, MINN. — The case against John Munson, proprietor of the Minneapolis Floral Co., charged with violating the city smoke ordinance, to which he plead guilty, was continued. The city smoke inspector stated that he believed Mr. Munson had been sincere in trying to do away with the smoke nuisance, but that the smoke consumer installed was inefficient.



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NIKOTEEN
APHIS PUNK

The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. Full pint bottles, \$1.50.

Specially prepared for fumigating closed houses, it vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply, ALL SEEDSMEN.

Prepared by THE NICOTINE MFG. CO.,

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The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

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For PROOF
Write to

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COMPANY,

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green flies and black ones too

are easy to kill with
The Fumigating Kind Tobacco Powder
\$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back;
why try cheap substitutes that makers do not dare to guarantee?
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50% SAVED
Pipes, Flues

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and we want to send it to you for
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The Perfection will clean welded flues as well as old ones. remove scale from tubes without cutting metal; clean hot or cold flues without changing temper; can be operated by flexible handle.

The knives are always sharp.
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Hundreds now in use by florists.

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Write for Illustrated Catalog
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NOT CAST IRON

**NO SECTIONS
EASY TO SET UP
Made of Boiler Plate
Absolutely Safe
CANNOT CRACK**

**Has Thin Water Ways
Vertical Circulation
The Longest Fire Travel
Heats Quick, Easy to Clean
More Direct Surface than
any Other Boiler**

CAST IRON BOILERS WASTE FUEL.

Your new Kroeschell Boiler is heating 15,000 sq. ft. of glass, and it would take care of 5,000 ft. more. We can maintain any temperature from 55 degrees to 70 degrees and have had no trouble to keep proper temperatures even in the coldest weather.

We can heat the 15,000 ft. connected to the KROESCHELL boiler with 25% less gas than used with either of the CAST IRON boilers, and with a great deal more satisfaction. We shall be glad to have any prospective customer inspect our new range. COVINGTON SEED Co., Covington, Ky.

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LIGHT, STRONG & LASTING

You cannot afford to build any other kind for they bring the desired results, and they are good houses

FOR A LONG TIME.

Greenhouses The difference in cost between the best and cheapest is hardly worth considering for the cost of

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For GREENHOUSES

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Steam and Hot Water.

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Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Size 6½x4½.



Price per 500, \$2.85; per 1000, \$4.50. Send for sample.

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Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ¾ and ½, 40c per lb., by mail 10c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

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Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive ¾ and ½ inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

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The Early Advertisement Gets There.



Early tomatoes bring big prices

Get your plants out early

With Sunlight Double Glass Sash you can have your plants and vegetables weeks ahead of the season

It's the ½ inch air space between the two layers of glass that enables you to get earlier—sturdier plants.

as many Sunlight Sash as you can ordinarily sash. It's good business to have them. Write for these two books today.

There may be a hard frost outside, but no cold will penetrate the ½ inch layer of enclosed air and your plants will have all the warmth and light that they need. The result is a quicker, sturdier growth, and you get the high prices of the early market.

Sunlight Double Glass Sash double your profits

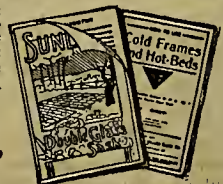
They save you the expense—the labor—the worry of having to cover and uncover your sash with heavy covers of boards and mats. You can attend to twice

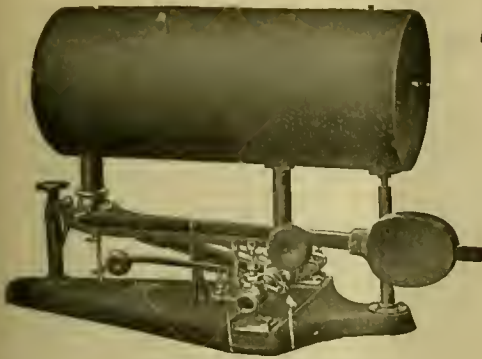
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They tell you how much more profitable you can make your gardening, and give some useful, instructive information on the care of beds. Send in your name and address, we shall send you our free catalog—for 4c in stamps we shall send you both books. Write today.



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—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of
place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform tempera-
ture, write us. We guarantee to drain your lines perfectly—return the
pure, hot condensation to your boiler without pump or injector or make
no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

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1 inch and 2 inches thick.

Random or Specified Widths

10 to 16 feet long.

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Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.
Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

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Pansy Baskets

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which are much stronger, better and
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Lock the door before the horse is stolen,
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We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value
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Pecky Cypress, because of its durability, is the only wood now being used
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Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
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Metal Designs, Baskets, Wire Work,
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all Florists' Requisites.

SUPERIOR QUALITY

GOOD THICKNESS

PROMPT DELIVERY

Greenhouse Glass

We Still Have Low Prices But Urge
You Not To Delay Placing Your Orders.

BAUR WINDOW GLASS CO. Eaton, Ind.

Budding Knife Free—See Page 353.



This Beautiful Lawn Vase Only \$4.90.

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1 1/2 gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price \$4.90
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IS FAR MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.
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Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

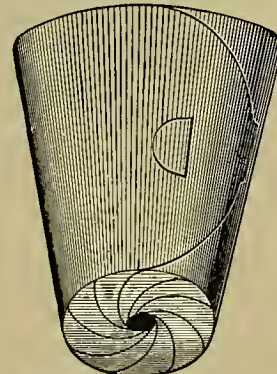


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Waterproof
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Shippers use them and save their customers many dollars in express charges.

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Use our patent
Iron Bench
Fittings and
Roof Supports



THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
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Ask someone who is using a Standard for his opinion of it.

Write for catalogue.

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Sample free. For sale by dealers.

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SEE PAGE 353.

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Vol. XXXVIII.

CHICAGO AND NEW YORK, MARCH 16, 1912.

No. 1241

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
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under act of March 3, 1879.

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**SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.**

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**Spring
Number
Next
Week
The Early
Advertisement
Gets There.**

SUGGESTIONS FOR PLANT GROWERS.

Sweet Peas.

A sowing of sweet peas made in pots during the late March which can be transplanted outside as soon as all danger from late frosts is passed will give a crop of these flowers two or three weeks earlier than the seed sown in the ground. There is generally a time in late June and early July that the sweet peas in the greenhouses come very poor, owing to the excessive heat under glass and the infection of red spider and the early sowings outside are not yet in flower. Five or six seeds sown in a 3-inch pot and these placed on the sill or window ledge or on a hanging shelf will make nice stock for planting out after the middle of April and the advantage of those started in the greenhouse over the ones sown in the cold ground will be quickly seen upon trial. They can be grown so that they will take but little valuable room under glass and the extra expense of this and the labor in transplanting them will be more than recompensed by having fine flowers at a time when most of the stock is in poor condition.

The plants that are growing inside will require considerable attention as the sun increases in power, the growth is very rapid and the vines must be kept erect or crooked flower stems will be the result. They should be gone over every day, and where the growing shoots are getting away from the supports they should be fastened to them.

Cyclamens.

The plants of cyclamen grown from seed sown last fall will now be nice, stocky little plants if properly grown and should be large enough to transplant to 2½ or 3-inch pots. The soil should be live fibrous loam with about one-third leaf mold and in mixing a liberal sprinkling of sand should be included. In potting, the small bulb should be so placed that the soil just covers it, many leave the bulb out of the soil, but best results are obtained with the young stock to leave the bulb

in the soil. Later after the bulb has grown large and mature, this is not so necessary. The plants should be placed in a cool house and if possible near the glass and where they can have all the ventilation possible. Just as soon as safe they should be removed to frames outside and plunged in the soil even with the rim of the pot. The cyclamen will not tolerate poor drainage and if anything happens to block the drainage the plant quickly sickens. This sometimes happens where the pots are sunk in the soil and is often caused by angle worms. Where these are seen and the appearance of lumps on the top of the soil denotes their presence, they should be removed at once. In the final potting, be sure and place plenty of crocks in the bottom of the pot.

Bedding Plants.

The plants for bedding out in the spring will take not only much of the plantsman's time, but will keep demanding more room, for the growth from now on will be rapid and unless constantly watched and cared for the plants will quickly get crowded and much of the stock injured. Where there is much Easter stock grown the disposal of that will give the much desired space in two or three weeks, but in other places it may be necessary to discard some of the carnation plants which may be thrown out, for from now on there is an over supply of these flowers with nearly all growers. The final shift of the geraniums in the northern section of the country may be delayed until the first of April, but the plants should not be allowed to get badly potbound, and they should be given plenty of growing room. The propagating bed should be full of cuttings of the more rapid growing plants and the seedlings will have to be potted as soon as of proper size. The cannas and other bulbs that have been started should be potted and given good location for growing on. Now is the time to take account of stock and see of what kinds there is going to be a shortage and of what there

will probably be an over supply and obtain the first and dispose of the second. This is the time to buy, for the stocks are large and shipments can be guaranteed and the prices are low compared to what they will be a month hence. The amount of stock that annually goes to waste is large and a little foresight will prevent much of it. Every summer some growers throw away thousands of plants that have cost much in labor and should have made returns. Auction sales in some sections are the means of disposing of much of this stock, but this is generally at low prices. This stock can most all of it be disposed of by a little judicious advertising and letting the other fellows know where it can be obtained. An attendant at any plant sale in early spring will find many growers looking for all kinds of stock. It is often quite difficult to know just how much of each kind of bedding stock is wanted, but as soon as an oversupply is noted let the other growers know where they can obtain it, and place a price on it that will guarantee a sale. It is much better to move it at some price than to throw it away. The wide-awake, up-to-date growers clean up their stock every year.

Rambler Roses.

The plants of rambler roses that are intended for Easter blooming should now be showing color and if they are not, they will require quite a little forcing to have them in the best of condition for that date. If the plants are at all potbound, watering with liquid manure will be of great assistance to them and stimulate the flowers and make them much larger and an addition of soot to this will intensify the color. The plants will often when setting the buds make long growths from the base of the plants, these should be cut out, for they are taking much strength that should go into the flowers. These canes can be made into cuttings and propagated and will make small plants for next year's growing or can be planted outside and grown on for stock for the future.

There is always a good demand for well-grown pot ramblers for Decoration day and early June and plants started now will be in the best of condition at that time. They can be started in a cool house and frequently syringed until the eyes break, when they can be moved into warmer quarters and full sunlight. For June decoration there is nothing better in blooming plants than Crimson Rambler and the other rambler roses and hydrangeas; they make a beautiful combination and are also very decorative for porches.

Salvias.

There are few more popular plants for bedding purposes than the salvia and when properly grown they are a great ornament to a garden either as bed by themselves or as an edging for cannas or other tall plants, the dwarf varieties being especially adapted for this purpose. To make a showing in mid-summer the plants should be started early either by cuttings or seeds so that the plants at this time should be large enough for a 3-inch pot and should have been pinched back at least once and beginning to branch. These can be potted into 4-inch pots in April and will be showing bud by the time for planting them outside in June.

Such plants of course cannot be sold as cheaply as the late sown seedlings that are grown closely together, and allowed to run up to a single stem, but it will not take so many of the former plants to fill the same space and the bed will be in flower through the summer and fall while with the latter too often there is no bloom until just before frost, and when the first frosts are early the plants are not in bloom but a few weeks. The early plants are much more satisfactory to the customer and will cost but little more owing to the larger space which they will cover during the season.

What State Colleges Are Doing.

Paper read by Joseph Heacock before the Florists' Club of Philadelphia.

I enjoyed "Farmers' Week" at State College, Pa. (December 27 to January 3, 1912) so much that I wrote President Thilow that if your essay committee thought well of it I would be glad to tell the Florists' Club about it. I now realize that in so doing I bit off more than I can chew. I have not been able, with the time I have had at my disposal, to write up the matter as I should like to have done.

We arrived at State College about 8 o'clock in the morning, and after getting rooms at one of the fraternity houses, and registering at the college,

compared with that of Pennsylvania. I subjoin a few figures:

	Receives.	Amt. per capita.
1 California	\$2,729,553.35	\$1.14
2 Wisconsin	1,664,854.53	.71
3 New York	1,643,792.25	.18
4 Illinois	1,443,792.06	.23
5 Minnesota	1,429,424.00	.68
6 Ohio	932,424.00	.19
7 Massachusetts.	883,528.74	.26
8 Virginia	610,446.24	.29
9 Missouri	592,304.90	.18
10 Nebraska	554,903.00	.46
11 Iowa	542,345.55	.24
12 Indiana	482,447.81	.17
13 Mississippi	467,620.48	.26
14 Pennsylvania..	400,809.00	.05

One is apt to think of the State College only as an agricultural, but such is not the fact. There is the School of Agriculture, School of Engineering, School of Liberal Arts, School of Mines, School of Natural Sciences, Department of Home Economics, Department of Physical Education, and the Institute of Animal Nutrition. There are 1,761 students registered at the college of which 783 were in the School of Agriculture and the Experiment Station.

There were about 800 farmers registered for Farmers' Week, a number of them being women. The mornings were divided into two periods, 8:30 to 10 and 10:15 to 11:45. The after-



RAMBLER ROSE NEWPORT FAIRY.

were ready to hear the greeting of the dean, Thomas F. Hunt. He told us how little the great state of Pennsylvania had done for her college in comparison with what the other states had done for theirs, and what the revenue from the land grant of the national government to the various states was

noon into two periods, 2 to 3:30 and 3:45 to 5:15, and the evenings into one commencing at 8 o'clock. During these periods there were from two to six lectures being delivered at one time. There was a printed programme and you could take your choice, whether it was lime sulphur as a summer

spray or commercial fattening of poultry, pork production or control of orchard enemies. With one thing I was particularly impressed. It was announced in the opening address that all lectures would be given on time. We found it so. Many of the buildings were a considerable distance apart and while there were 15 minutes between periods there was a hurrying time to get from one lecture to another, and if not on time to find that the lecturer had begun. I could not help but compare it with the lack of promptness shown in our meetings of the S. A. F. Most of the counties of the state were represented by farmers in attendance, and to show how it was appreciated by keen business men I mention that the Frick Coke Co. had three of their farm managers there learning of better methods of managing their farms.

The subjects were of great variety and embraced such subjects as Soil Analysis, Organic Matter, Beautifying the Home Grounds, Computing Dairy Rations, Hatching and Raising Chicks, Manures and Their Economic Uses, Energy Value of Feeds, Draft of Farm Machinery, Modern Household Appliances, Drainage, Tuberculosis, Advance in Asparagus Culture, Making Farm Poultry More Profitable, Alfalfa, Some Rural Life Problems, Garden Irrigation, Dairy Barn Construction, Apple Culture in Pennsylvania, Music for the Farm Home, Peach Culture, Harness and Saddle Horses, Meadows and Pastures, Potatoes and Potato Diseases, and many others. It was only possible to hear but a part of them and one had to take his choice. Many of the lectures were repeated so that if one did not get them at one period there was a chance to get them later. For one whole week they were being delivered and it was remarkable the interest shown in them and the attendance.

The cost of attending is but light, as \$25 will pay all expenses for the week's outing. The information gained is invaluable and the rest and change from one's labors is of great benefit. It is an old saying, "It is well to get out of sight of the smoke of your own chimney." It is also well to have a change from such steady work as running a florist business.

So well was I pleased with the Farmers' Week at State College that during the last month I took in Farmers' Week at Cornell University, where 1,800 of New York's most intelligent farmers came to get new ideas of their business and went home better and wiser men and women. The man who today does not keep up with the procession of eager and active minds that are engaged in getting a living from the soil will soon be left out of the race.

BANGOR, ME.—Fred Morrill has purchased the cut flower business from Mrs. John Morrill, the latter retaining the pot plant business.

MACON, GA.—D. C. Horgan, of the Idle Hour Nurseries, is very busy, his business this season running 40 per cent higher than all previous records.

HARTFORD, CONN.—John Coombs has leased the store at 752 Main street and will move from the location he has occupied for 13 years. The new store will be opened for the Easter sales in conjunction with the old store, and then closed and renovated so that it may be occupied by April 30, when the lease of the old store expires.

The Newer Zonal Pelargoniums.

Although not cultivated to the same extent as they were some few years since, the zonal pelargoniums comprise some of the most showy of the winter-flowering plants available for cultivation in the warm greenhouse. The ease with which they can be cultivated and the length of time they will, under

tion of the zonal pelargoniums than any other.

In the country, where the atmosphere is clear, and fogs are not prevalent, states a correspondent in the *Gardeners' Magazine*, they produce a bright display in the conservatory, and if this is a light structure and provided with a heating apparatus which



A WELL FLOWERED CRIMSON RAMBLER.

careful treatment, remain in bloom, marks them at once as the most useful subjects for making a display in the houses. They are not so useful for the supply of cut flowers as some other subjects, the winter-flowering carnations, for example, but where a very bright display of color is required for a limited time only, they are of much value. In brightness of color, some of the varieties far surpass the carnations, which, it may be observed, have done more to reduce the cultiva-

tion of a little roof ventilation practically every day, they may be regarded as one of the permanent inmates for the winter, but where fogs are prevalent, and the atmosphere of the district more or less humid, it is not wise to place too great a dependence on them, as they might fail and thereby prove disappointing.

For a number of years H. Cannell & Sons have taken the lead in raising new zonal pelargoniums, and the sets they introduced some few years ago

under the names of ships, mansions and towns have not, as a whole, been superseded. Since then, however, a few varieties of sterling merit have made their appearance, not the least prominent among these being three varieties raised by W. H. Page, of Hampton, and of these the finest is His Majesty, which may be described as one of the best crimson-scarlet zonals I have ever seen, its effectiveness being greatly enhanced by the white eye of the blooms. This variety is a good grower, and profuse in blooming, the flowers being produced throughout the winter. Fiscal Reform is another good variety, the flowers bright salmon-rose; they are not perhaps quite so large as those of the preceding variety, but they are most pleasing. Winter Cheer is very distinct, the flowers a bright cerise. It has the promise of becoming popular when better known.

Another novelty of much merit is the new orange-scarlet Maxim Kralesky. It is very striking, having more yellow in its flowers than any of the zonals I know. Prince of Wales is a very large-flowered variety, bright magenta, with a splash of scarlet in the top petals. Scarlet King, as its name denotes, is a very bright scarlet, and the plant has a good bushy habit, and is very free in flowering.

Rider Haggard is a form of flower much in the way of Sir T. Hanbury, the two colors in the top and lower petals being, if anything, more decided, and the flowers more effective.

Salmon Paul Crampel is a sport from Paul Crampel, and is an exact counterpart of its parent, except that it has rosy-salmon flowers. Another good new salmon zonal is Mrs. J. Ward, which has probably larger flowers than those of the variety immediately preceding.

In addition to the foregoing new varieties, the following is a list of the older zonals that may be thoroughly relied upon to produce a continuous display of flowers during the winter months, and, as the present month is the best time to root cuttings for an autumn display, it may help those who contemplate making a selection for next winter.

Salmon.—Ascott, Mrs. George Cadbury and Ian McLaren.

Blush.—Mauretiana, Cevic and Lady Roscoe.

White.—Snowstorm, Venus and Goodwood.

Pink and rose.—Hatfield, Caronia, Sydney and Mrs. Brown Potter.

Purple.—Frogmore, Lusitania and Royal Purple.

Orange.—Prince of Orange, Clevedon and Donald Beaton.

Crimson.—Leonus, Maris, St. Louise, Sir Thomas Hanbury and Aldenham.

Scarlet.—Naples, New York, Chatsworth and Lord Kitchener.

All the above are singles, and for the supply of cut flowers, the following semi-doubles are useful: F. V. Raspail, Improved Hermoine, King of Denmark, Lave, Pink Raspail and Fire Dragon.

Save Black Walnut Columns.

Four massive columns of black walnut twenty feet high and three feet in diameter, at Booneville, Mo., will not be sold with the rest of the structure when the old Cooper County courthouse is disposed of to wreckers today. Instead, the columns will be left to go into the new building. The courthouse is the oldest in Missouri. It was built in 1838.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Bridesmaid's or Matron of Honor Bouquet

While the bride's bouquet is the most important floral feature of the wedding ceremony, yet the bouquets for the bridesmaids and matron of honor should, and do, likewise receive the proper amount of attention, but they should always be less elaborate than those carried by the bride, and of different flowers and generally of different construction. If the bride carries orchids or lily of the valley, the others will have roses of a color to match the gowns, and if the bride has a bouquet of white roses the bridesmaids will carry bunches of pink roses, chrysanthemums or sweet peas according to the season. The round bouquet, which we illustrate, is one arranged by George M. Geraghty of Dunlop's, Toronto, Ont., Can., and was composed of sweet peas and adiantum in a chiffon holder with long bows and ends. The illustration shows how beautifully and yet simply these can be arranged and how effective they can be made.

Wedding Decoration.

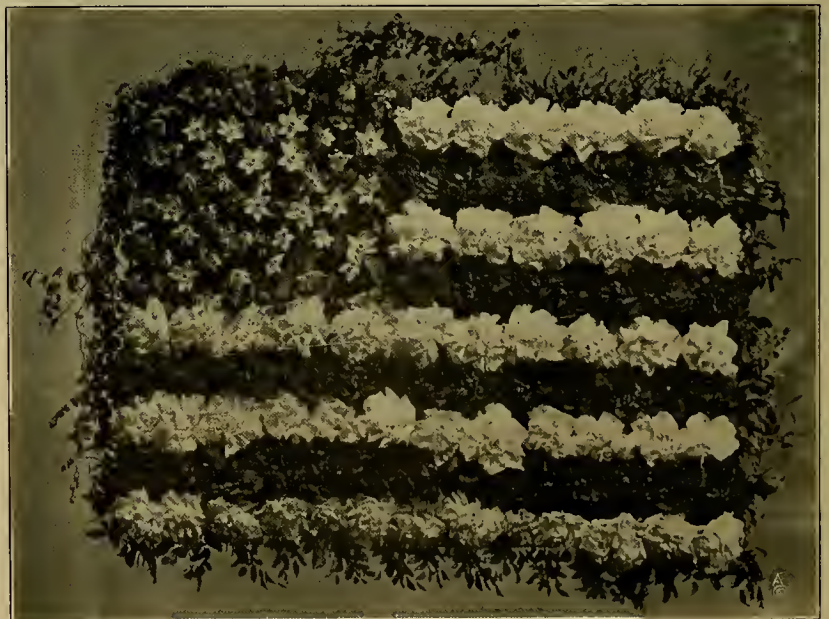
THE INDIAN PAGODA.

A fair sized ball room may be beautifully arranged with the pagoda effects. Have two large circular wire frames made to resemble a flat plate. The top one should be the larger and be about 36 inches across, the other about 27 inches across; then for the third, use a wire frame forming a dome effect. Attach these to each other with stout rope or wire. Starting with the foundation, the frame should be well covered with a good quality of white silk to give it a good working surface. Sew pale pink, full-bloom roses on the inside and outside of the flat frames, using their foliage in between where necessary, using the smallest buds with their foliage to fall over the edge in

a graceful manner. Make the second frame the same. For the dome effect cover this with lily of the valley placed upon it in an artistic way—a sort of loose cover arrangement. The white silk inside of the dome will not require any flowers but from its center suspend a large bunch of lily of the valley, allowing some to fall in a showier effect from the bunch. There should be three of these pagodas in the room. To enhance its effectiveness tiny electric lights can be arranged to advantage under each frame. The rope should be covered with satin ribbon, the shade of the palest pink rose used. Extend from each pagoda large, full streamers of asparagus.

To cut off the corners of the room, use the plate effect suspended with wide, pink sash ribbons attached to the wall above—about three streamers tied to the wall in a large rosette. On either side bank palms and ferns. However, the plate must be large enough and made to fit in at the corners. On the walls where ornamentation is necessary take white braided raffia and make it into triangular pockets. These should be about two yards across and one deep, the rough ends of raffia should be allowed to extend in uneven edge, and in these arrange a wall bouquet of pink tulips. A good plan is to have the pockets on either side of different shape. At the center of the raffia pockets have pink sash ribbon, tucking it in here and there in the center, allowing it to fall below the pockets in a large bow effect and at the end of each streamer tie a small bunch of lily of the valley. Construct garlands of asparagus between the pockets in which a bunch of pink tulips have been added where most effective. Green and palms should be used where tone effect is desired.

Where the bride is to receive a large plate effect can be used, made of pink roses or better still of lily of the valley. From the center, a bunch of orange blossoms can be artistically arranged. Bank at the back with palms. For the bridesmaids use raffia pockets filled



AMERICAN FLAG.

Arranged by Archias Floral Co., Sedalia, Mo.

with pink sweet peas suspended with streamers.

On the table use the dome effect, but standing bowl up on a tripod, made of lily of the valley. The outer body of the dome should be covered and then fill the dome with moss and in it arrange loosely a mass of pink sweet peas. Make a mat of maiden-hair for the tripod to stand on and scatter through this mat pink sweet peas. If a buffet arrangement is desired pink sash ribbon can be draped around the edge of table cloth and a shower of sweet peas arranged at each corner.

For the bridal bouquet one white orchid of good size surrounded with white sweet peas, using the sweet pea foliage, can be artistically effective.

A. E. KLUNDER.

"The Plums of New York."

"The Plums of New York," by U. P. Hedrick, horticulturist at the New York Agricultural Experiment Station, Geneva, is another important contribution to the pomological literature of the United States and North America. "The Grapes of New York," by the same author, appeared in 1908, and "The Plums of New York" has apparently much exceeded the other, in bibliographical research. This work might well be called "The Plums of The World," because it seems to us the whole range of any known varieties of plums at any period in the history of the world, wherever accessible records have been kept, has been investigated. The main purpose of the work, however, is the study of the adaptability of the numerous forms of plums to New York state, and their improvement. This volume is about the same size as the one on "The Grapes of New York." It is divided into four chapters. The first chapter is on "Edible Plums"; the second on "Plum Culture"; the third on "Leading Varieties of Plums," and the fourth on "Minor Varieties of Plums."

There are 89 excellent colored illustrations of standard varieties, and 18 illustrations of flowers and bark of species. In the chapter on standard varieties 217 are described or referred to. In some cases, as, for example, in the variety Myrobalan, which he refers to a group name, he includes under it all the forms of the cerasifera group. In the chapter on minor varieties the extraordinary number of 1737 are described, or noted more or less. This includes all varieties that have had any standing or notice in pomological literature, and, of course, many of these are now discarded or superseded. The bibliographical research that this entailed can be readily observed.

In the chapters on edible plums Prof. Hedrick gives a conspectus and key to 24 known wild species. Recent investigation in this country, however, have brought several new species to scientific recognition, and it is likely that more new species of wild plums will be discovered in the near future. The regions in different parts of Texas are believed to contain a number of species of unknown plums. Part 3 of Volume 2 of "Trees and Shrubs New Or Little Known," by C. S. Sargent, recently issued, contains descriptions of six new species of American plums, not included in Prof. Hedrick's conspectus. The author states that



BRIDESMAID'S OR MAID OF HONOR BOUQUET.

the standard and popular varieties of plums, of the present time, or any time, are forms or descendants of *Prunus domestica*, and he believes

that only one species is involved. A number of the old botanists were inclined to believe that more than one species was included in the plums we

know as domestic varieties. If only one type of specific character is impressed on the numerous progeny of domestic plums it is indeed remarkable, because the range of variability is extraordinary. We think, however, that Prof. Hedrick is right in his conclusions. He believes with Koch, that the original home of *Prunus domestica* is probably east of the Caucasus mountains and the Caspian sea. In the work he places about 1,500 varieties under *Prunus domestica* and di-

forms the genus showed was for many years ascribed to variation or hybridity, but during the past 12 years it has been conclusively shown that they are distinct and true species.

The work of domesticating the wild species of American plums was begun about the middle of last century, and whilst several hundred varieties of American plums have been named; and many of them differing slightly, and only a few of them are meritorious; when it is considered that the

to this one species that if careful selection in seedlings was maintained for a series of generations, together with hybridization, excellent results could be obtained.

We are much interested in the description of *Prunus Munsoniana* in this volume. About nineteen years since we received two ornamental plums under the name of *Prunus angustifolia* from the Spath nursery, Berlin, Germany. It did not seem to agree with the true *P. angustifolia* of Marshall, and, moreover, *P. angustifolia* is not hardy in Western New York, unless coddled with special protection. In August of last year W. F. Wright, botanist of the United States Department of Agriculture, made some collections of plums with the writer at Rochester, N. Y. Mr. Wright has been making an investigation of the species of the plum section, of the genus *Prunus* for some years, and may publish a monograph on the subject in the near future. He collected specimens of the *P. angustifolia* in question. In a letter shortly afterward to the writer, he named this plum *P. Munsoniana*. It is a new species jointly named by Wright and Hedrick, and is separate from *P. angustifolia*, but much hardier, and its native range is said to be variously from Tennessee to Northern Texas. There is a most remarkable variation in the foliage of this species, between the leaves of the vegetative and fertile shoots. This is partly noticeable in the leaves of all woody species of plants, but the difference in this plum species is markedly so. The so-called Wild Goose varieties of plums Prof. Hedrick places under this species, and he credits about sixty varieties to its parentage, and says a number of them are meritorious.

The purport of this work is, of course, pomological, but we wish that Prof. Hedrick could have gone out of the way somewhat, and called attention to the highly aesthetic value of many of the wild species of American plums in ornamental plantations in private and public parks and gardens. Their showy flowers in spring, and their general characters in leafage and branching, render them excellent sub-



STOCKS BEAUTY OF NICE AT ALEXANDER KLOKNER'S, WAUWATOSA, WIS.

vides them into six groups, as follows: Reine Claude, Prune, Perdrigon, Yellow Egg, Imperatrice, and Lombard.

The Bullace and Damson plums, which are varieties of *Prunus insititia*, he places second in importance to the domestica varieties, and states that this species has the oldest recorded history of any plum or group of plums. It is mentioned by Theophrastus 300 years before Christ. Prof. Hedrick says that whilst the Bullace and Damson plums were not kept separate specifically in the minds of growers from the domestica varieties, but were simply all regarded as European plums, the Bullace and Damson plums were no doubt the first kinds introduced to this country.

In his treatment of *Prunus hortulana* he regards it as a specific group, and differs from Bailey and Waugh who regard it as a "brood of natural hybrids" divided into four or more natural groups, and the result of hybridization between *Prunus Americana* and *P. angustifolia*. Prof. Hedrick states that since investigations were conducted by Bailey and Waugh, the specific identity of *P. hortulana*, and its geographical range has been widely placed through the middle west, and all of the hortulana hybrid forms, instead of as formerly alleged, "constitute a group so distinct from any other species that it is impossible to place them otherwise than in a distinct species." We agree with Prof. Hedrick, as we have seen *Prunus hortulana* growing in the Arnold Arboretum for many years, and much progeny has been raised from it, and we understand that nothing has been adduced to show that it is not a good species. Moreover, there is a great tendency amongst horticultural and botanical observers, whenever a knotty problem presents itself in establishing botanical character, or relationships, to place the difficulty on hybridization. Take the hundreds of new species of *Crataegus* for example. The numerous

European plums have been for centuries in the process of amelioration, there is no doubt that the field is very promising for the evolution of a choice race of American plums. *Prunus maritima*, the Beach Plum, of the Atlantic seaboard, a common inhabitant of sandy soil from Massachusetts to Virginia, shows a tendency to remarkable variation inside the limits of the species. The writer has raised hundreds of seedlings of this species for ornamental purposes, and incidentally, has observed remarkable variations in the progeny, in the size, color, flavor, and length of time in the ripening of the fruit, and in the shrubby and arborescent characters of the plants. Some seedlings producing fruits of most excellent flavor, and well adapted for edible and culinary purposes. It therefore seems hopeful that in regard



BOWLING TEAM OF THE STUPPY FLORAL CO., ST. JOSEPH, MO.

Top row left to right: J. L. Schiel, John J. Stuppy, Manager, Richard Drain.

Lower row: Geo. Falkenbach, Louis Lambers, B. U. Perkins.



CHICAGO SPRING FLOWER SHOW.

Rambler Roses Exhibited by Vaughan's Seed Store, Chicago.

jects for boundary plantations, with other native trees and shrubs.

"The Plums of New York" is a splendid contribution to the literature of American pomology. With the work he has accomplished so far, Prof. Hedrick is entitled to a place in the front rank of pomologists in America and the world.

JOHN DUNBAR.

Cinerarias for Summer Blooming.

ED. AMERICAN FLORIST:—

Will you kindly inform me if *Cineraria grandiflora* and *C. stellata* can be bloomed in summer? When should the seeds be sown to have them in bloom in July and August? V. C.

It is doubtful if the cineraria grown by florists, which was evolved from *C. cruenta*, could be successfully bloomed during July and August, for the plants require a very cool treatment with plenty of ventilation during their flowering period. Seeds sown in March and April will bloom in September and later, and seeds sown in August will bloom in early spring.

W.

Shade for Greenhouses.

ED. AMERICAN FLORIST:—

We desire to shade a house containing palms and ferns from April to November, and we do not like lime or whitewash. What is the best medium to use and how is it mixed and put on?

SUBSCRIBER.

A shade that is used by many growers is a mixture of kerosene and whitening. This can be made of any consistency required, and where the shade is to remain on from April to November a small amount of linseed oil can be mixed with it, a two-inch pot full of oil to 10 gallons will keep the whitening on the glass. If too much linseed oil is placed in the mixture it will be very difficult to remove it in the fall. This can be spread on the glass with a spray pump or to make it more even and a more finished job, painted on with a brush.

W.

Chicago Spring Flower Show.

The beauties of nature vied with the artistic work of man at the spring flower show of the Horticultural Society of Chicago which opened in the Art Institute Tuesday, March 12, and continued through the week, closing Sunday, March 17. While the building is not in some ways an ideal one for the holding of such an exhibition, for the spaces which can be given to the staging of plants and flowers are small, which divides the show into many parts, yet the surroundings and beautiful architecture of the building are exceptionally fitting backgrounds for the several displays. Though the works of art which adorn the walls and the beautiful statues and pieces of sculpture are great attractions, yet during the show the splendid plants and lovely flowers were the attraction of the week, and the attendance on the opening evening was large and quite satisfactory.

Entering the building, directly in front of the door is the grand staircase and this was adorned by a large exhibit from the West Parks, which extended around the balcony on both sides. Palms, dracenas, ferns and other decorative plants were arranged on both sides, and intermingled with these were beautiful azaleas, cinerarias, genistas and bulbous flowers which gave the walk a beautiful setting. This was a very large exhibit and added a great deal to the magnificent display. On the balcony toward which the staircase tends was a grand display of lilies that were so arranged that they surely rivaled the glory of Solomon. The ceiling and staircase were draped with southern smilax, which completed the setting for the beautiful flowers. Behind this beautiful showing of flowers was located the Goldsmith band and orchestra, and

throughout the afternoon and evening the patrons sat and enjoyed the beautiful products of nature and the strains of music.

In the east room at the head of the stairs was a grand display of blooming and decorative plants from Vaughan's Seed Store. At the farther end was a large display of rambler roses that was beautifully grouped along the entire width of the room. This included all the best varieties of these popular spring blooming plants and many of the novelties. Crimson Ramblers were finely finished and splendid specimens of *Tausendschon*, *Newport Fairy*, *Dorothy Perkins*, *Baby Rambler*, *Wartburg*, *Hiawatha*, *Phyllis*, *Jessie*, *White Dorothy Perkins* and a large plant of *Vielchenblau*, the renowned blue rose, occupied a prominent place in this room. A case containing tiny ramblers in the smallest of pots, each bearing a cluster of blooms, attracted considerable attention. Other beautiful plants shown in this room by the same exhibitor were splendid rhododendrons, wall flowers, large specimens of *Cineraria stellata* of beautiful colors, a strain of *Primula oboconica* with extra large flowers borne on strong erect spikes and well-bloomed plants of the new *Primula malacoides*. In this room was also the exhibit of orchids from Charles Bond of Naperville, which contained extra large and highly colored blooms of *Cattleya Trianae* and *C. Schroederiae* of the finest varieties.

At the other end of the building was a large collection of splendidly grown plants exhibited by Frank Oechlin, which contained azaleas, rhododendrons, hydrangeas, genistas, marguerites, cyclamen, prunus, backed with specimen palms, dracenas and cibtiums and intermingled with the flowering plants were asparagus, ferns and other decorative plants. This ex-

hibitor also displayed elegant pans of tulips, hyacinths and narcissi which were the recipients of many prizes, and he was the winner in the class for *Primula obconica* with finely grown plants bearing large spikes of bloom of the English colors and also for well-grown cyclamen. Other exhibitors of bulbous stock were August Juergens, who showed nicely grown pans of tulips, hyacinths and narcissi and large pans of lily of the valley and well grown *Lilium Giganteum*. Fritz Bahr was a large exhibitor of bulbous flowers, hyacinths and narcissi of extra fine culture, and well grown plants of ericas and acacia. H. N. Bruns was the winner of the prize for lily of the valley in pans with splendidly grown stock.

An exhibit that attracted considerable attention was a display of exceptionally well grown amaryllis by E. G. Uihlein. These beautiful flowers of so many bright shades, with their spike of large, magnificent color, are seldom excelled at any exhibition. A case of orchids which contained many rare specimens was filled by this exhibitor. John Lewis Childs, Floral Park, N. Y., exhibited a number of plants of *Richardia Elliottiana*, the yellow calla, which were greatly admired. The golden yellow blooms were especially set off by the beautiful foliage. A vase of the same flowers was shown by John Reardon of the Iowa State College, Ames, Ia.

F. R. Pierson Co., Tarrytown, N. Y., made an exhibit of the newer nephrolepis, which contained some very fine specimens of these decorative ferns. R. J. Southern, Highland Park, showed splendid plants of cyclamen that were well flowered. John J. Wolniewicz had a group of begonia of different varieties that were well grown and a lemon tree bearing extra large fruit.

The cut flowers were not displayed the opening day, but an exhibit around which was always gathered an interested group was the table upon which were arranged the display of pansies and sweet peas shown by William Sim of Cliftondale, Mass. This grower has gained renown in his culture of these flowers and seldom have better blooms of these favorites ever been staged than those shown at this exhibition, and they fully deserved all the attention which they received. A display of roses made by the Metairie Ridge Nur-

series Co., New Orleans, plainly showed that the statement so often made that roses could not be grown in the south was a fallacy. The flowers were splendid specimens of large size and the stems and foliage compared favorably with the best grown in the north, and they made a most creditable showing after their long journey and were a credit to Harry Papworth, who brought them to show the northern growers what could be done in the warm and sunny clime.

In one of the side rooms H. J. Stockman has arranged two miniature gardens which plainly demonstrate how an estate may be laid out. They entail a great amount of labor and are very instructive to one planning a suburban home. During the evening, lectures illustrated by stereopticon views were delivered in Fullerton Hall, by W. N. Rudd and Prof. H. B. Dorner.

Wednesday was "Rose day" and in the east room was staged the large vases of magnificent blooms exhibited by Poehlmann Bros. Co., Wiator Bros., Peter Reinberg and Bassett & Washburn. The American Beauties shown by both Poehlmann Bros. Co. and Wiator Bros. were elegant but unfortunately the receptacles in which they were placed did not show them off to the best advantage. The former firm were the winners of the blue ribbon as they also were in the classes for Killarney, White Killarney, Richmond, Dark Pink Killarney, Double Pink Killarney, Mrs. Aaron Ward, Melody and Prince de Bulgarie. But though victorious in so many classes they were closely followed by the vases of splendid blooms exhibited by Wiator Bros. and Peter Reinberg, and the entire exhibit was a great credit to the growers of this section. Bassett & Washburn made a very fine display of smaller vases of roses that were greatly admired. E. G. Hill Co., Richmond, Ind., exhibited a vase of Sunburst.

The retailers were on hand with very artistic arrangements. The E. Wienhoeber Floral Co. showed a table decoration of spring flowers and a basket of roses. John Mangel arranged two very beautiful baskets of roses and the Bohannon Floral Co. showed a large vase of White Killarney roses that were well arranged.

The management are to be congratulated upon the fine exhibition of plants and flowers which they have

succeeded in getting together for the inspection of the people of Chicago and for the admirable arrangement and fitting decorations.

The Visitors.

The early visitors included the following:

J. F. Ammann, Edwardsville, Ill.
 Harry Balsley, Detroit, Mich.
 George Balsley, Detroit, Mich.
 A. F. J. Baur, Indianapolis, Ind.
 Harry A. Bunyard, New York.
 M. E. Carter, Kansas City, Mo.
 G. A. Clausen, Albert Lea, Minn.
 S. W. Coggan, Battle Creek, Mich.
 W. W. Coles and wife, Kokomo, Ind.
 Robert Craig, Philadelphia, Pa.
 Wm. P. Craig, Philadelphia, Pa.
 Wm. Currie, Milwaukee, Wis.
 E. H. Cushman, Sylvania, O.
 John De Buck, New York.
 Carl D. Elspermann, Evansville, Ind.
 John A. Evans, Richmond, Ind.
 John Fuhlbruegge, Winona, Minn.
 Henry Gaethje, Rock Island, Ill.
 Benj. Gregory, Milwaukee, Wis.
 W. J. Heimbreiker, Lincoln, Ill.
 Chas. A. Hewitt, Monmouth, Ill.
 Joseph H. Hill, Richmond, Ind.
 A. N. Kinsman, Austin, Minn.
 Otto G. Koenig, St. Louis, Mo.
 Geo. W. Matteson, Elgin, Ill.
 Fred Meinhardt, St. Louis, Mo.
 Miss Tillie Meinhardt, St. Louis, Mo.
 O. J. Olson, St. Paul, Minn.
 Harry Papworth, New Orleans, La.
 E. Allan Peirce, Waltham, Mass.
 H. W. Pilgrim, St. Louis, Mo.
 Fred Rentschler, Madison, Wis.
 Herbert Smith, Danville, Ill.
 Geo. Souster, Elgin, Ill.
 John J. Stuppy, St. Joseph, Mo.
 E. R. Tauch, Marquette, Mich.
 J. T. Temple, Davenport, Ia.
 Chas. H. Totty, Madison, N. J.
 R. Vincent, Jr., White Marsh, Md.
 John Young, New York.

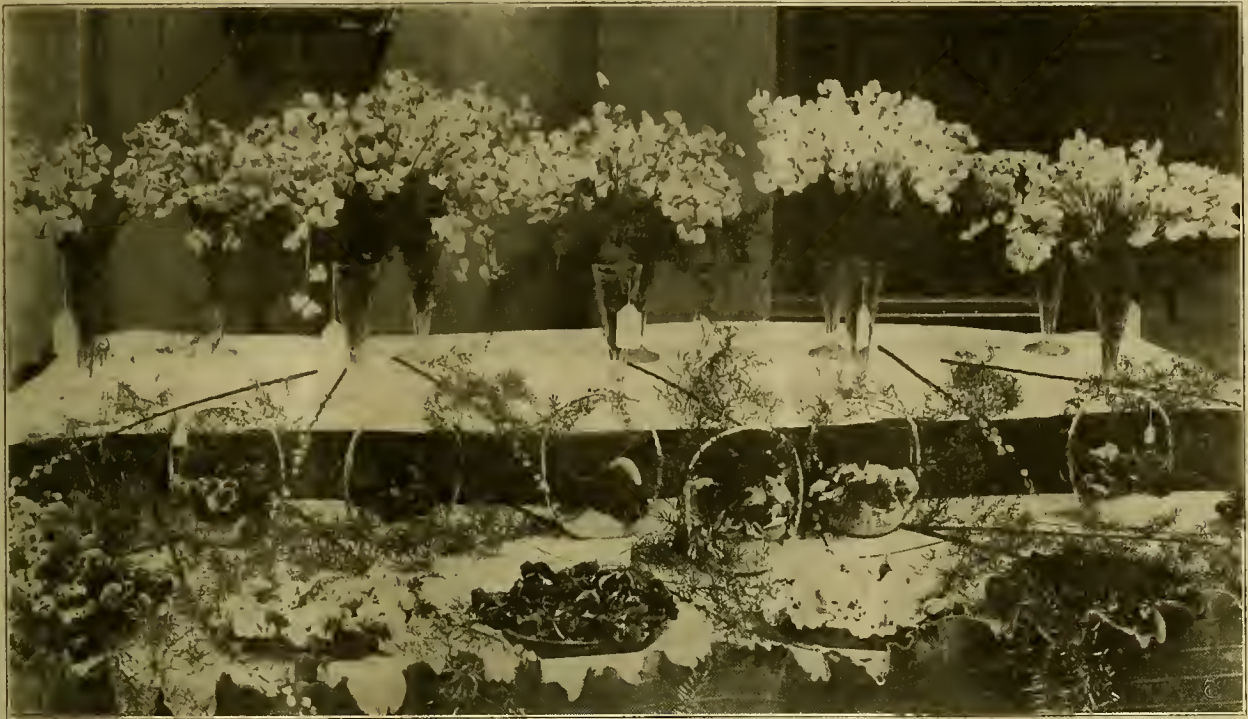
BETHLEHEM, PA.—O. J. Sawyer of Allentown and I. J. Johnson of Nazareth have purchased the greenhouses and stock of the late John E. Haines.

ALLENTOWN, PA.—A. B. Ellsworth has sold the property upon which the greenhouses stood and a block of fifteen dwellings will be erected on the site. Ernest Ashley, who had rented the houses, will move to his new plant in East Allentown in the spring.

DES MOINES, IA.—The Garden Club is planning to plant the vacant lots of the city. The question of determining the official city flower is to be submitted to the people for vote and they are asked to send a card to the secretary, Henry Riegelman, stating their choice.



CHICAGO SPRING FLOWER SHOW.
 Cattleys Exhibited by Charles Bond, Naperville, Ill.



CHICAGO SPRING FLOWER SHOW.

Sweet Peas and Pansies Exhibited by William Sim, Cliftondale, Mass.

New York and New Jersey Plant Growers.

The annual spring inspection tour of the New York and New Jersey Plant Growers' Association took place Thursday, March 7, the party being in charge of President Frederick Marquardt, Treasurer H. C. Steinhoff and A. L. Miller was master of ceremonies. In the party were Oscar Boehler, Hoboken, N. J.; —Lehnig of Lehnig & Winnifield, Hackensack, N. J.; J. H. Fiesser, H. Palmer, H. Schmidt, Henry Baumann, Hoboken, N. J.; Heber J. Ware of Maltus & Ware, George Scott, Flatbush; Gerard Dreyer, Elmhurst; H. Schoelzel, New Durham, N. J.; C. W. Scott, Whitestone, L. I.; Peter Wagner, Flatbush, L. I.; Anton Schultheis, Jr., College Point, L. I.; J. A. Shaw, J. H. Sperry and John Young. The party assembled at Gerard Dreyer's at 9 a. m., which was the first place on the list to be inspected, and then were taken in automobiles to the other establishments. At Dreyer's all the stock was in excellent shape, the place being devoted to lilies, hydrangeas, bougainvilleas, marguerites, azaleas, genistas, spireas, palms and three houses of ferns, the varieties of ferns most in evidence being Scottii, Giatrasi and Dreyerii.

Pankok & Schumacher as usual have a big line of all Easter stock. The ramblers, azaleas, hydrangeas, camellias and lilies being especially good. Mr. Schumacher is in Europe at present for the benefit of his health.

The Hinode Co. never have been in better shape than they are at present and in addition to the general line of lilies and Easter stock they have several specimen wistarias and other novelties. At this stop Mr. Scott acted as host and provided light refreshments and cigars.

At Louis Dupuy's everything was in keeping with the reputation of this place. All things were in first-class shape and preparations were being made for the largest Easter business in the history of the place. The oranges, heather, roses, hydrangeas, cyclamen were especially fine. Mr.

Dupuy could not join the party owing to the illness of Mrs. Dupuy who had a mild attack of la grippe. J. Harry Troy of the "Rosary" joined the party at this point and was delighted with the day's experience.

The plant of Anton Schultheis, College Point, L. I., is in the same general good condition as it always is. This was one of the largest places visited. More cut flowers are grown here for the wholesale market than at any of the other places, the specialties being cattleyas, gardenias and lily of the valley. There was house after house of the general line of Easter plants, all showing the result of careful cultivation.

John Meisem well deserves the name of the "Lily King," his place being practically devoted to lilies both in pots and planted out for cutting for the wholesale market, and the lilies here are very fine indeed. The stock cut here is consigned to Henshaw & Fenrich and Philip F. Kessler. Mr. Meisem could not join the party, and was somewhat downcast on account of the sudden illness of his son Charlie, but who is now much improved.

The next place visited was that of the president of the association, Frederick Marquardt, and to several of the visitors this place was a pleasant surprise. Mr. Marquardt is near the entrance to Lutheran cemetery and has a tremendous bedding plant business. Here is a most up to date attractive retail store presided over by Mrs. Marquardt and smiling Miss Marquardt, who took a snap shot picture of the group. In addition to carnations and bulbous stock grown here for home use there are houses after houses filled with bedding stock of all varieties, which is in the most excellent condition.

The party was here informed that H. Maenner, one of the members of the association, had been taken away that day to the hospital, having been taken suddenly very ill, being delirious at that time. The visitors were then entertained at dinner at Richard Neiderstein's Hotel, Middle Village, and ev-

erything furnished was all that could be desired. The tables were decorated with azaleas, ferns and vases of carnations and narcissus furnished by Mr. Marquardt.

The trip being resumed, A. L. Miller's place in Jamaica was the next stop. This establishment is a wonder in more ways than one. During the winter season several houses of carnations and lilies are grown, the cut being consigned to Traendly & Schenck. These are now being rapidly thrown out to make way for Easter stock. In addition to the greenhouse plant Mr. Miller has a most up to date nursery and prides himself on the great variety and specimen trees and shrubs that he has here. In frames are probably 50,000 pansies, and bedding stock of all varieties is here in profusion. There is house after house devoted to lilies, hydrangeas, heather, ramblers, oranges, Ponderosa lemons, spireas, genistas, rhododendrons, which it would be very hard to beat. George M. Stumpp was a visitor here selecting plants for Easter.

Peter Wagner, Flatbush, has two ranges—one devoted to palms and ferns and the other to blooming plants and lilies and the stock was all in very good condition.

John Scott's was next visited. This is the home of the Scottii fern. This establishment was never in better condition than at present and George Scott deserves great credit for making it so. This is a very extensive place and everything is done on a large scale. While a full line of palms, ferns, dracenas and Pandanus Veitchii are carried here, the whole place is now apparently devoted to Easter stock, which is in great variety and in magnificent condition. The one exception to Easter stock is the preparation that is being made for St. Patrick's day. Shamrocks are here by the thousands, probably 40,000 growing in all kinds and sizes of pots. One of the striking features was a bench devoted to shamrocks growing in clay pipes and each visitor was presented with one as a souvenir. Mr. Scott informed

us that most of these were ordered and the call for shamrocks had far exceeded his expectations.

At Louis Schmutz's new place, formerly the Zellar greenhouses, everything was in good condition and as at the other places visited there was a full line of all blooming plants for Easter. Louis Schmutz, Jr., presides over this range and anticipates a very good Easter business. At the original Schmutz place the party met Louis Schmutz, Sr., but the hour was getting late and, as it was growing dark, not much could be seen, but as Mr. Schmutz can always "show you something" this time was no exception and he showed us the flats and apartments he owns and the site where the greenhouses stand with the sign attached, "These Lots for Sale." And it is only a question of a short space of time before they will be torn down and sold for the erection of fine residences.

At Alfred Zellar's the same general line of stock is grown, but it had grown so dark the stock here could not be seen at its best advantage. Mr. Zellar was unavoidably away, being confined to his home with a very bad cold, but he had thoughtfully provided cigars for the party, which A. L. Miller handed around as if they were his own.

Last but not least on the list was Frank Manker's. Here there is a fine conservatory and salesroom built on the boulevard with all modern improvements, with houses devoted to lilies, carnations and bulb stock grown for the cut flowers; also a general line of Easter stock. Mr. Manker is also a large owner of property and dwelling houses in this very fine section of Brooklyn and does not have to worry about coal strikes or "gluts" in the market. At several places visited some benches of very short lilies were seen. These are known to the members of the association as "Nana Compacta" and as Mr. Manker smilingly remarked, "Are just the thing for cemetery trade at Easter time, as they would not suffer from the wind so much if it should happen to blow a bit at that time."

It was a very enjoyable and instructive trip and the generous hospitality and good fellowship shown at all the places was much appreciated.

New York Florists' Club.

There was an attendance of over one hundred at the meeting Monday, March 11, which was "Rose and Orchid Night." Joseph A. Manda presided.

Charles B. Weathered, chairman of the dinner committee, reported that all arrangements had been made for the proper celebration of the club's twenty-fifth anniversary. Mr. Weathered also reported for the delegates who attended the conference for the organization or federation of New York State's florists' clubs, the meeting was held at Ithaca Friday, February 23. Secretary John Young read the minutes of that meeting, and the secretary was instructed to send the assessment of this club as provided in the constitution and by-laws adopted by the State Society. The dinner committee also announced that Patrick O'Mara would be toastmaster. I. S. Henderson, of the exhibition committee, announced that the April meeting would be "Sweet Pea" night and it was desired that there would be a good showing of spring plants at the same time. P. F. Kessler reported progress for the outing committee. The following were elected to membership: Peter Beuerlein, Elmhurst, Long Island; Oscar Boehler, Hoboken, N. J.; J. A. Valentine, Broadway, Denver, Colo.; F. W. Armitage, Elizabeth, N. J.; F. B. Abrams, Blue Point, N. Y.; Julius Chevalley, Blue Point, N. Y.; Wm. F.

Kasting, 383 Ellicott St., Buffalo, N. Y.; Wm. Nicholson, Jr., Framingham, Mass.; Richard Vincent, Jr., White Marsh, Md.; Benjamin A. Snyder, 46 West 26th St.; New York City; Frederick Smith, 8th St., Woodside, L. I.; George Cotsonas, 127 West 28th St., New York City; William C. Otte, 4055 Boulevard, West Hoboken, N. J.; F. C. Scherer, New York Cut Flower Market, Coogan bldg., New York City; Max Richter, care Julius Rochrs Co., Rutherford, N. J.; Frank Witney, Fishkill, N. Y.; William Sefton, care Hitchings & Co., Elizabeth, N. J.; W. N. Rudd, Morgan Park, Ill.; Patrick Welch, 226 Devonshire St., Boston, Mass.; George H. Mustoe, Morristown, N. J.

The recommendation of the committee on awards that the rules governing the exhibits made in the club rooms, making the highest award the certificate of merit of the club was withdrawn. The legislative committee was directed to draw up a suggestive letter for the guidance of the members to send to their assemblyman to support the bill now pending in the assembly providing for an appropriation of \$50,000.00 for greenhouses for experi-



Gilbert Ludwig.

mental work in floriculture. Frank R. Pierson, Chas. B. Weathered and others agreed to go to Albany and personally appear in favor of the bill. Walter F. Sheridan, P. O'Mara and C. B. Weathered were appointed a committee to draw up suitable resolutions on the death of our late honorary member, W. Bayard Cutting. J. A. Shaw, Frank H. Traendly and James T. Scott were appointed a committee to prepare resolutions on the death of Mrs. Martin C. Ebele, and the secretary was instructed to convey to Robt. M. Schultz our best wishes and the hope that he would show a speedy recovery.

Wallace R. Pierson then read one of the most interesting and instructive papers that has ever been presented at our meetings, entitled "Roses." Mr. Pierson was accorded a standing vote of thanks, and several asked questions to which Mr. Pierson cheerfully replied.

Henri Beaulieu presented his complaint against the express companies regarding the difficulties he is having about the delivery of the seed bought

by him in France, which was referred to the legislative committee with the suggestion that they make a report on the matter at the next meeting.

The club sent a telegram of congratulations to the Baltimore Florists' Club who were celebrating their 25th anniversary. A letter to the club was read from Richard Vincent, Jr., president of the S. A. F., asking the club to present some subject for discussion at the next convention.

The committee on awards made the following report:

Joseph A. Manda, South Orange, N. J.; Plant Cattleya Schroederae Alba, certificate of merit. Charles G. Roebeling, Trenton, N. J. (James Goodier, gardener), collection of orchids, silver medal. A. N. Pierson, Cromwell, Ct., vase Double White Killarney, scored 87 points; vase Killarney Queen, scored 88 points. Brant-Hentz Flower Co., Madison, N. J., White Rose Madison, vote of thanks. Duke's Farm, Somerville, N. J. (A. A. Macdonald, supt.), vase of American Beauties, cultural certificate. John Stephenson, Oak Lawn, Pa. (I. Geiger, grower), vase of Mrs. Jardine, cultural certificate. John Lewis Childs, Floral Park, L. I., plant Double Calla Elliottiana, honorable mention. Charles Barson, Ossining, vase Pink Carnation No. 3, vote of thanks. Charles Barson, Ossining, N. Y., vase Dark Pink Carnation No. 7, scored 85 points. Edward Towell, Roslyn, Pa., vase Richmond roses, cultural certificate. Edward Jenkins, Bellefontaine Gardens, Lenox, Mass., two plants Primula malacoides, certificate of merit. Julius Rochrs Co., Rutherford, N. J., Odontoglossum Edensii Oeseltoni Crisprim, certificate of merit. Y.

New York Notes.

C. C. Trepel, who conducts the plant and cut flower departments at Loeser's in Brooklyn and Bloomingdale's and Gimbel Bros., New York, has already placed large orders for plants for Easter. It is nothing unusual for Mr. Trepel to buy all the stock of a grower at this season of the year and no proposition is too large for him to tackle if suitable arrangements can be made. At present he takes out of the wholesale market two or three truck loads of cut flowers daily.

The unnamed new pink seedling rose which Charles H. Totty sends to Henshaw & Fenrich occasionally for exhibition is a beautiful rose, and as Mr. Totty is working up a fine stock of this variety it will be bought up quickly by those growers "who know" and have been fortunate enough to see it growing at Mr. Totty's greenhouses in Madison, N. J. This rose will be seen at the next meeting of the club Monday, March 11.

J. K. Allen is handling large quantities of moss pinks and sweet allyssum in pans, grown by Charles Hunt, Port Richmond, S. I., and will have regular shipments of flowering plants for Easter from the same grower.

The following scores were made on the bowling alleys March 8:

Chadwick	222	193	198	197	218
Scott	101	140	156	123	122
Shaw	87	99	122	123	102
Young	107	120	132	140	180
Nugent	135	131	145	122	

Y.

Gilbert Ludwig.

Ten months ago Gilbert Ludwig, whose portrait is herewith presented, graduated from the academic department of the Pittsburg High School and became associated with the old firm of Gustave and J. W. Ludwig, Pittsburg, Pa. During that time he has assisted in the general business management and his interest has increased considerably, which would naturally follow, for the Ludwigs have for three generations been cut flower dealers.

Washington.

UNFAVORABLE WEATHER.

Business continues fairly good. In addition to dinner and luncheon decorations, which are leading factors at this time, there has recently been much funeral work. Though the weather of the past week was not very cold, it was rather unfavorable to growers, there being but two clear days. On the night of March 9 a strong north wind ran the mercury down to near 20°, but the tenth was a clear day. American Beauty roses are not very plentiful and the wholesale price keeps well up to \$7 per dozen. The quality of some of the "long stems" is very good. Orchids do not seem to be very plentiful, but they can always be secured from some market if the local supply falls. There is some excellent lily of the valley and lilacs on the market and there are other grades that are not so good. As a matter of course the good stock is quickly snapped up. Moral: It pays to grow good stock.

CLUB MEETING.

We will admit that some of our club meetings are rather prosy, but every little while the club "rises up to the emergency and caves in the emergency's head," as the lamented Artemus Ward used to remark. The meeting of March 5 was one of the record smashing events and is entitled to a red letter in the awards of the club. It had previously been announced as "carnation night" and in addition to many fine carnations there was a good sprinkling of roses and other fine stocks.

The officers nominated at the February meeting were all elected by the formality of the secretary casting one vote for each. They are David Grillbortzer, president; Otto Bauer, vice-president; O. A. C. Oehmler, secretary; W. F. Gude, treasurer.

Otto Bauer, vice-president, advises us that he was born in Baltimore, the city that has recently acquired considerable notoriety as the next meeting place of the Democratic national convention. Mr. Bauer has a brother who is a successful grower of Baltimore.

Professor Stewart of the plant bureau of the U. S. Department of Agriculture delivered a lecture on carnation breeding. Professor Norton of the same department spoke interestingly on asparagus for florists' use. A notable visitor at the meeting was President Vincent of the Society of American Florists, who made a stirring appeal in behalf of the society. Accompanying Mr. Vincent were James Hamilton and his representative, C. M. Wagner of Baltimore, both well known in the trade. Wallace Pierson of Cromwell, Conn., was another notable visitor. Mr. Pierson made an interesting talk. He is a man of ideas with the courage to express them.

One of his new ideas is that the president of the S. A. F. should be elected by the members mailing their ballots from their homes and not at conventions as now practiced. While at first sight this scheme may seem unique, the principle is sound. It would give every member an equal voice with every other member in the election of officers. At present there are worthy and intelligent members of the society who do not feel like spending two or three hundred dollars to attend a convention in a distant city merely to vote.

The flowers exhibited at the meeting were particularly fine and were greatly admired. W. E. McKissick, manager for a local wholesale firm, staged the following exhibits: Carnations—Gorgeous, magenta, and Benora, variegated, exhibited by Peter Fisher, Ellis, Mass.; Comfort, red, by S. M. Merwarth & Bros., Easton, Pa.; Wm. Eccles, by Scott Brothers, Elmsford, N.

Y.; Gloriosa, pink, by E. A. Stroud, Strafford, Pa.; Wodenthe, white, by Chas. H. Totty, Madison, N. J.; Princess Charming, Enchantress shade, by E. A. Stroud; Mrs. C. W. Ward, pink, by Dauphin Bros., Washington, D. C.; Enchantress and Gloriosa, by A. F. Faulkner, grower for Alex B. Garden, Washington; vase of seedlings, mixed colors, and White Seedling, 1909, from the Bureau of Plant Industry, U. S. Department of Agriculture; White Seedling No. 618, by Cottage Gardens, Queens, N. Y.

It has been erroneously stated in a contemporary that No. 618 was exhibited by A. F. Faulkner. George H. Cooke staged a fine exhibit of carnations, Alma Ward and Mrs. C. W. Ward; snapdragons, lupines and the Dark Pink Killarney roses. The rose exhibits were Killarney Queen and Double White Killarney, by A. N. Pierson, Inc., Cromwell, Conn.; Golden



The Late Balthasar Stahl.

Gate and White Killarney, Gude Bros. Co., Washington; Cardinal, Washington Florists Co., Washington; Seedling amaryllis, Bureau of Plant Industry, U. S. Dept. of Agriculture.

While all the exhibits were good, it is probable that Fisher's Gorgeous and Totty's Wodenthe attracted the most attention among the carnations. Pierson's Killarney Queen was notable among roses. Cooke's exhibit of lupines was novel and attractive because it is seldom that such good stock of these flowers are seen at a club exhibition. The yellow variety was particularly fine.

The flowers were left with the Gude Bros. Co. and by them sent the next day to the Franklin School, which is the headquarters of the Board of Education. They were there placed on exhibition for the benefit of the pupils of all the schools. Later W. F. Gude sent three hundred of their own Killarney roses to be distributed among the children. The local press has given liberal space to the whole matter and Mr. Gude's pet hobby, educating the people in the use of flowers, has received quite an uplift.

NOTES.

On March 5, the day of the club meeting, Adolphus Gude, W. F. Gude, Wallace Pierson and Geo. H. Cooke took an automobile trip and saw most of the glass in the district before they returned.

The orchids of C. W. Briggs of Mt. Pleasant, who started as a fancier, but

is now selling stock, are attracting considerable attention.

Albert Schnell, manager of the Exchange, is handling a particularly fine quality of lily of the valley.

Jacob Mindes of Cottage Hill is sending in a particularly fine quality of lilac.

Violets are plentiful and cheap and the street peddlers have them.

A. F. F.

OBITUARY.

Belthaser Stahl.

Belthaser Stahl, one of Philadelphia's oldest retail florists in point of service, died suddenly March 8 of uremia after only a few days' illness, aged 62 years.

Mr. Stahl opened business in partnership with his brother-in-law, M. La Roche, at 1319 Chestnut street, in 1876. After several years they moved to the corner of Thirteenth and Chestnut streets, where a large retail and wholesale business was carried on for sixteen years. A range of glass was erected at Collingdale, Delaware Co., which was a large source of supply. In 1896 the firm dissolved and Mr. Stahl opened his present store on Eleventh street above Chestnut, where he has built up a large business, which will be continued by his son, C. B. Stahl, as manager, who has been actively engaged with his father.

Mr. Stahl was a florist of the old school and a great worker. He was always to be found at the store and took great interest in meeting all his customers, seeing they were properly served. He was of a kindly disposition, popular with the trade and much liked by those with whom he came in personal contact.

He was buried on Tuesday, March 12. Quantities of the flowers he loved so well filled the room in which the body lay and many of the trade called to pay their last respects. He leaves a wife, three daughters and one son.

K.

Fred Miesel, Sr.

Fred Miesel, Sr., one of the older florists of Detroit, died Saturday night, March 9, 1912, at his late residence on Mock avenue, of heart failure. He had been ailing for the past few months and while his demise was sudden it was not altogether unlooked for. He was born in Germany in 1853 and came to this country in 1873. He has been in business for the past 37 years. He leaves a widow and eight children, two boys and six girls. The body was cremated Monday afternoon, several florists attending the funeral. He was a member of the Detroit Florists' Club, which sent a beautiful large wreath, and a card of sympathy to the bereaved family. Owing to Mr. Miesel's ill health the business was turned over to the two sons, Fred, Jr., and Robert, last fall. The whole family has the sincere sympathy of the local trade. J. F. S.

Joseph Heintz.

Joseph Heintz, one of the oldest business men of Jacksonville, Ill., died March 11. He was 74 years old and had been florist and nursery man there for forty-two years. He was wealthy and prominent in Masonic circles.

BINGHAMTON, N. Y.—The Binghamton Seed Co. now owns and operates the Tulley greenhouses on Spring Forest avenue. The store has moved into new quarters at 135 Court street.

NEWPORT, R. I.—H. J. Hass has completed two Lord & Burnham houses; one, 36 x 100 feet, for the culture of carnations, and one 15 x 100 feet, for violets. The benches are of cement and iron construction.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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PHILADELPHIA, PA., March 4.—Jerusalem cherries, the fruit of a small evergreen shrub (*Solanum capsicastrum* probably), used as a parlor decoration, were employed by Mrs. Ida Rose as a means for ending her life.

THE executive committee of the Society of American Florists is in session at the Auditorium hotel, Chicago, this week, President R. Vincent, Jr., Vice-President August F. Poehlmann, ex-President Geo. Asmus, Secretary John Young and Directors W. N. Rudd, Robert Craig, E. Allan Peirce, Harry A. Bunyard, C. H. Totty and John A. Evans, in attendance.

Personal.

Treasurer W. F. Kasting of the Society of American Florists is preparing for the spring rush of business by taking a brief vacation.

Robert Craig will celebrate his sixty-fifth birthday March 18.

W. A. Manda will again sail for Europe shortly.

American Gladiolus Society.

It is of utmost importance, if the work of the nomenclature committee and the committee in charge of the investigating of diseases of gladiolus at the trial grounds at Ithaca, are to be of any value to gladiolus culture that we all contribute towards this work by sending in our catalogues, samples of bulbs for trial, and specimens of diseased bulbs. In sending in varieties for trial, from three to five bulbs of each variety should be contributed and all packages should be sent by mail or express prepaid to Prof. A. C. Beal, Agricultural Dept., Cornell University, Ithaca, New York.
L. MERTON GAGE, Sec'y.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Public notice is hereby given that H. W. Koerner, Station B, R. F. D. No. 6, Milwaukee, Wis., offers for registration the following gladioli. Any person objecting to the registration or to the use of the proposed name is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from date.

RAISER'S DESCRIPTION.

American Wonder (Childsi X Gandavansis).—This gladioli has the exact shape, habit and size of America, except in color, which is a lavender. It has two little dashes of a little darker shade at the throat of the lower petals. The flower has good substance and good lasting quality. The growth is three feet high, strong, straight spike, with healthy green foliage; vigorous grower, free bloomer, with five to seven perfect open flowers at one time.

American Giant (Childsi X Groff's seedling).—A gladiolus of the giant flowering type, it will bear with high culture flowers seven inches across and with ordinary culture five inches, with five to seven perfect well open flowers at one time; very heavy and good substance with good lasting quality. It has a deep wine color with a few small dashes of brown at the throat of the lower petals. It grows three to five feet high with an extra heavy straight stem, dark green heavy foliage and free bloomer.

March 9, 1912. JOHN YOUNG, Sec'y.

American Rose Society.

HARTFORD ROSE GARDENS.

The American Rose Society has received through President Farenwald a proposition from the head gardener of the city parks of Hartford, Conn., as follows:

"We are considering the feasibility of establishing, in connection with our rose garden here, a public trial or testing ground for hardy roses. The object would be to invite foreign and domestic growers to send new varieties for a test covering sufficient time to establish thoroughly the merits of the variety; at the conclusion of which the plants would be returned at the owner's expense, or if of sufficient merit, would be given a permanent place in the garden.

"The rose garden here has attained considerable prominence in this country and this, coupled with our climatic conditions, should make an ideal location for a test garden that could in time be made to assume national importance.

"If the American Rose Society would co-operate with us to the extent of judging the exhibits and making the awards, it would give the affair a wider scope and make its standing official.

"We are of the opinion that America needs an official trial ground and with the co-operation of the society, feel that the outcome of our efforts would be certain of success. If the matter were presented to your executive committee early and they should approve of it, we would have sufficient time to select some exhibits for spring planting."
ALEX. CUMMINGS, JR.

This proposition was laid before the executive committee and the idea was endorsed as a plan well worth supporting. There is such a garden in the city of Paris with thousands of varieties on exhibition in blooming time. Hartford has a climate well suited for the growth of roses. The guarantors of the prize awards for the exhibition held in Detroit, of whom there were thirty-four, paid up in full. Poehlmann Bros. Co. sent twice the amount requested and ex-President Elliott sent us four times as much as we asked; this sort of support speaks volumes for the solidity of the American Rose Society. The Ellwanger & Barry sweepstake prize has been sent to A. N. Pierson, Inc., Cromwell, Conn. The Alexander Montgomery cup for the best American rose originated during 1909-1910 was awarded and sent to Stockton & Howe of Princeton, N. J. The effort to do something to increase the interest of amateurs in the rose has met with some success. One gentleman sent in a check for \$50.00, without any reservation to be used toward that end and four amateurs have bobbed up with an annual subscription, which we are very glad to have.

* Can anyone send me for record the name of roses originated in America since 1860? Is there any rose grower or plantsman having such record?

BENJAMIN HAMMOND, Sec'y.

St. Louis.

LITTLE DEMAND.

The market is over supplied, all flowers are plentiful and there is but little demand. Funeral work is not plentiful and the call for flowers is injured considerably by the inclement weather. Violets, sweet peas and carnations do not move notwithstanding the low prices. Many American Beauty roses arrive bull headed and in poor shape. Lilies are very plentiful. Ferns are now quoted at \$2.50 per 1,000 with probabilities of going higher.

NOTES.

After March 15 there will be no more funerals Sundays. This movement may perhaps cause a closing of the stores on Sundays among the retailers.

Will Osseck of the firm of Wm. C. Smith Wholesale Floral Co., was all smiles Friday, and arrived at the store late. A fine bouncing girl was the new arrival.

J. J. Beneke has the Dunford store for sale, J. W. Dunford having gone to Sioux City with the J. C. Rennison Co.

A rose show will be held at C. A. Kuehn's Wholesale House after the club meeting and all visitors are invited.

Fred H. Weber was the recipient of congratulations. A little baby girl was born at his home.

Brenemann Floral Co. are building up a nice trade and are daily buyers at the market.

George Schrieber at C. A. Kuehn's has a new arrival at the house, it is a little girl.
W. F.

Meetings Next Week.

Boston, Mass., March 19.—Gardeners' and Florists' Club of Boston Horticultural hall. Detroit, Mich. March 18, 8 p. m.—Detroit Florists' Club, 112 Farmer street. Grand Rapids, Mich. March 18.—Grand Rapids Florists' and Gardeners' Club, office of member. Hartford, Conn., March 22, 8 p. m.—Connecticut Horticultural Society, County building. Montreal, Que., March 18, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Gardens' building, 211 Sherbrook street west. New Orleans, La., March 21, 8 p. m.—New Orleans Horticultural Society, Kolb's hall, 127 St. Charles avenue. Newport, R. I., March 20.—Newport Horticultural Society. Providence, R. I., March 18, 8 p. m.—Florists' and Gardeners' Club of Rhode Island. Salt Lake City, Utah, March 19.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street. Seattle, Wash., March 19.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street. Toronto, Ont., March 19, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By experienced salesman, designer and decorator; age 30 Address Key 584, care American Florist.

Situation Wanted—By a young man experienced in carnations, roses and pot plants. Address FLORIST, 2811 Mildred av., Chicago, Ill.

Situation Wanted—As rose grower and general greenhouse work; can take charge; prefer Denver, Colo., or West; best of references; 7 1/2 years last place. Address Key 585, care American Florist.

Situation Wanted—As a first-class grower; single, sober and a hustler, and can produce the goods; ready to come by 26th of March; please state full particulars and wages. Address Key 587, care American Florist.

Situation Wanted—Experienced in carnations; chrysanthemums and general greenhouse work; I will accept reasonable wages; good references; total abstainer. Address Key 571, care American Florist.

Situation Wanted—By gardener, married; on private place; 18 years experience with roses, carnations and pot plants. Fruit inside and outside. Vegetables, lawns etc.; best of references. Key 581, care American Florist.

Situation Wanted—By gardener, Scotchman, 35; private place preferred; greenhouse, grounds, vegetable and flower gardens; can grow and propagate any kind of perennial flowers; state wages. Address Key 559, care American Florist.

Situation Wanted—Good retail man, formerly employed in the East is now in the city and would like to secure employment in a Chicago florist store; ready to go to work at once. For further particulars address Key 589 care American Florist.

Situation Wanted—As gardener; 18 years' experience growing roses, carnations, mums, pot and bedding plants; greenhouse or outside work; age 30 years; single; good hand for all work or private place; steady position. Address JOSEPH F. CHONTAS, 34 Columbus Ave., Port Chester, N. Y.

Situation Wanted—By first class greenhouse man, thoroughly experienced in grafting propagating, and a good grower, capable of taking charge. American, married, sober, reliable and hard worker. Good references. Eastern states preferred. Address Key 582, care American Florist.

Situation Wanted—As nursery foreman or one to take charge of landscape work in a nursery; have had several years' experience in nursery work and understand handling of men, selling, etc., and am thoroughly familiar with plants; have also had a good training in a landscape office; energetic; single; good habits. Address "E. R. W.," P. O. Box 70, Needham, Mass.

Help Wanted—A young lady florist to help in store and office; give reference. Address Key 569, care American Florist.

Help Wanted—An experienced and successful grower of vegetable plants. Give full information in first letter. W. H. BARRETT, Adrian, Mich.

Help Wanted—An experienced palm grower for commercial place near Chicago. Must know how to grow good decorative stock. Address, Key 561, American Florist.

Help Wanted—A good all-round man, one who thoroughly understands growing and watering; position in an eastern city; married man preferred; references. Address Key 570 care American Florist.

Help Wanted—Experienced man as nursery superintendent; must understand propagating and be able to handle men; state experience and salary expected. Address Key 593, care American Florist.

Help Wanted—Experienced gardener for outside landscape work; state experience and reference. steady position; \$75 00 per month. WM. MEHL, Landscape Architect, 23 Euclid Bldg., St. Louis, Mo.

Help Wanted—A good blacksmith with a couple of hundred dollars can make a fine connection with a large greenhouse plant in Illinois; gilt-edge proposition; act quick. Address Key 666, care American Florist.

Help Wanted—Young man for office and sales work in a greenhouse where considerable shipping is done. Some knowledge of Stenography and typewriting necessary. Situation open April 1st. JOSEPH BANCROFT & SON, Cedar Falls, Iowa.

Help Wanted—Man as foreman of a new modern greenhouse and heating arrangement, growing rose blooms for commercial purposes. Must be strictly temperate, thoroughly familiar with the heating system and live on place. State whether married or single, wages expected, references, and previous places of employment. Send all answers to Post Office Box 126, Philadelphia, Pa.

Help Wanted—At once, a sober, energetic, working foreman capable of handling help to advantage. Must be a producer of first class stock on a place of 40 100 feet of Glass, where general stock, such as Carnations, Chrysanthemums, Bedding Plants, Bulbous stock, Palms, Ferns etc., are grown to supply our retail store. Send references and state wages expected in first letter. JOHN RECK & SON, Bridgeport, Conn.

For Sale—Retail floral store, well established, located west and St. Louis, Mo. Price \$1200.00. Address, Key 577, care American Florist.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL Great Falls, Montana.

For Sale—At a bargain, about 10 000 ft. glass. Large growing trade. No competition. "Best thing on earth." Address Key 58), care American Florist.

For Sale—A dwelling, three well stocked greenhouses with an established business. For particulars address L. G. R., 306 W. La Fayette Ave., Fayette, Ark.

For Sale—Three acres of land, 2 greenhouses, 15,000 feet of glass, hot water heat, modern house and barn. Write for particulars. Address C. H. MCCREEDY, Sta. D, Milwaukee, Wis.

For Sale—Small but good greenhouse plant and cottage in fast growing town in Oklahoma; no competition within 35 miles; the best of bargains; write for particulars. Address Key 576, care American Florist.

For Sale—Four greenhouses, well stocked with bedding plants; new hot water heater; \$1 500 cash, \$1,800 on time or will lease it; in Northern Ohio; beautiful city. Address Key 536, care American Florist.

For Sale—A splendidly equipped and good paying retail business in Chicago, including stock and fixtures. Buyer can have a long lease on store. For further particulars, call on or address, WM. HARBIZ, 3435 W. Chicago Ave., Chicago.

For Sale—Modern, well-piped greenhouse, about 4,000 feet glass. Well worth the money, or could take a partner with \$1 000 to increase plant. Well established trade store in town. Greenhouses on train route. A. R. SALMON, Kalispell, Mont.

Wanted—To Buy—Forty good second-hand hothed sash. J. W. MILLER Hope, Ind.

Partner Wanted Capable, dependable experienced man as a partner for raising lettuce and who knows good location and has from \$1000 to \$5,000 to invest but desires additional capital. Key 583, care American Florist.

Gardener Wanted.

Expert gardener for private grounds; married, no children; state salary expected above room and board; give reference of two former employers. Address Box 76, Waterloo, Iowa.

Situation Wanted.

Lady going abroad recommends excellent assistant gardener; reliable, hard-working, experienced. Address 58 East 72nd St., New York City. Telephone 3218 Lenox.

FOR SALE - A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired. Mosbaek Greenhouse Co., Onarga, Ill.

Superintendent or Head Gardener.

Situation wanted by a superintendent or head gardener on private place; competent to take charge of greenhouse, palms, ferns, cut flowers, bulbs and bedding plants, vegetables and fruit under glass and outside, landscape gardening; German, age 29, married, no children; 12 years in last position. State full particulars in first letter. Open for engagement April 1. Address Key 579, care American Florist.

FOR SALE Well Established Nursery.

Excellent location near one of Minnesota's most flourishing cities. Excellent railroad facilities. 120 acres in Apples, Small Fruit and Ornamental Stock. Good Buildings, Storage and Packing Cellar. Will be sold with or without land—long lease if desired. An exceptional opportunity if taken at once. Good reason for selling. Write KEY 578, Care AMERICAN FLORIST.

PARK COMMISSIONER FOR TORONTO, CANADA.

Applications for the above named vacant position will be received by the undersigned. Applications should be accompanied with full particulars as to applicant's ability and experience, with testimonials, etc.

G. R. GEARY, (Mayor), Chairman Board of Control. City Hall, Toronto, Jan. 17, 1912.

Assistants in Plant Pathology

The United States Civil Service Commission announces that an examination will be held to secure eligibles qualified in Plant Pathology, April 10-11, 1912, at a salary of \$1200 to \$1600 per annum, at the several places mentioned in the circular issued by the Civil Service Commission, which will be forwarded upon request. Applications may be secured from the United States Civil Service Commission, Washington, D. C., or the secretary of the United States Service Board, at any of the places designated.

UNITED STATES CIVIL SERVICE COMMISSION, WASHINGTON, D. C.

Dennison's Florist Tags

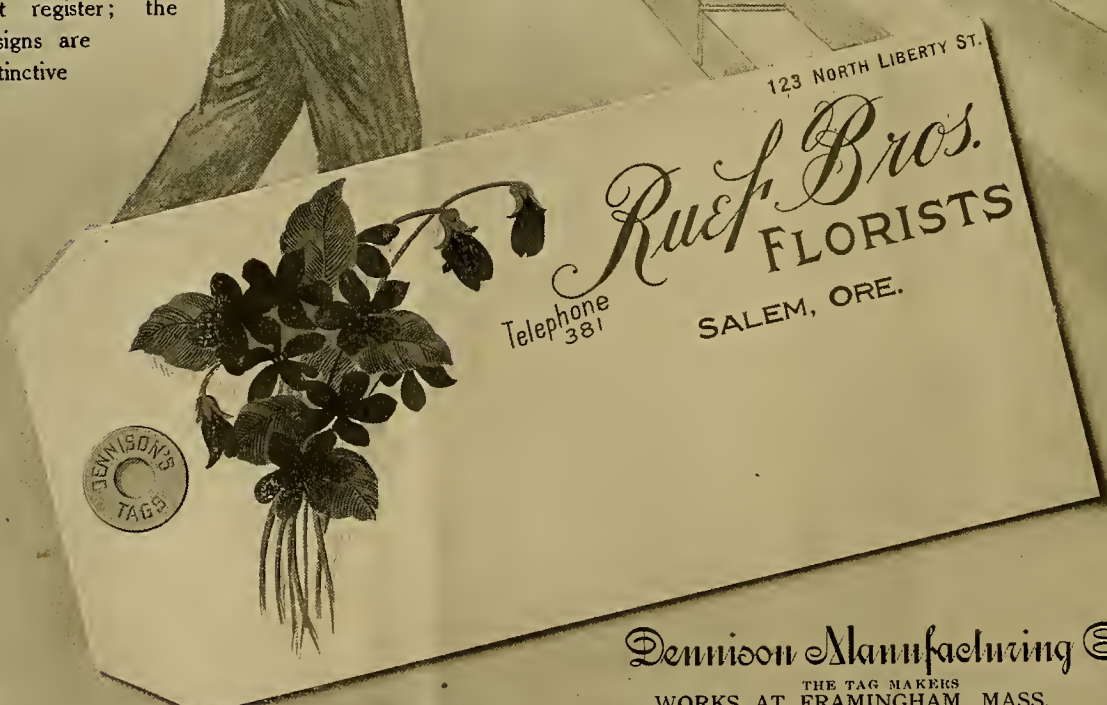
Beautiful Flowers in an Attractive Box demand an Impressive Tag. When the package arrives, it is the Tag that receives the First Attention

"Whom are they for?"
"Where are they from?"

The Dennison Department of Design is at the Florist's service. If your Tag seems not in keeping with your shop, write to Dennison for samples, suggestions and a sketch

Dennison Florist Tags

are made of a stock that water will not discolor. The printing is of perfect register; the designs are distinctive



Dennison Manufacturing Co.

THE TAG MAKERS

WORKS AT FRAMINGHAM, MASS.

BOSTON NEW YORK NEW YORK PHILADELPHIA CHICAGO ST. LOUIS
26 Franklin St. 15 John St. 15 W. 27th St. 1007 Chestnut St. 62 E. Randolph St. 905 Locust St.

Sample offices in thirty-three principal cities

THE SPRING

NUMBER

TO BE ISSUED

March 21,

JUST RIGHT FOR THE

EASTER AND SPRING TRADE

—The Best Paid—

CIRCULATION

—To the Trade in the Trade—

That means profit to you. No bogus inquiries that cost time and actual cash.

Count Uncancelled Orders Only.

No Underground Prices. Square Deal To All.

The small advertiser who can afford only an inch gets the same rate and the same consideration as any other patron. No ads. padded for effect at cut rates.

American Florist Co.,

440 S. Dearborn St., CHICAGO.

 The Early Advertisement Gets There.

ROSES

FINE SPRING CROP. PINK AND WHITE KILLARNEY.

EXTRA FANCY LILIES, \$6.00 PER 100 in lots of 100 or more only.

White Carnations for St. Patrick's Day, per 100, \$4.00 to \$5.00

Current Price List: Subject to market changes.

American Beauties

Specials, 48-inch stems and over.....	\$5.00 to \$ 6.00	Per doz.
30 to 36-inch stems.....	3.00 to 4.00	
24-inch stems.....	2.00 to 2.50	
15 to 20-inch stems.....	1.50	
12-inch stems.....	1.00	

Carnations

Extra fancy red (Bassett).....	\$3.00	Per 100
Extra long fancy white.....	\$2.00 to 3.00	
Extra long fancy Enchantress.....	2.00 to 3.00	
Winsor.....	2.00 to 3.00	
White Carnations for the 17th.....	4.00 to 5.00	

Bulb Stock

Easter Lilies..... per doz., \$1.00; per 100	\$6.00	Per 100
Tulips, all colors.....	2.00 to 3.00	
Daffodils, single and double.....	2.00 to 3.00	
Lily of the Valley, per 100.....	3.00 to 4.00	

Select Pink and White SWEET PEAS, per 100.....50c to \$1.00

We Are Growers of All the Stock We Sell and Guarantee It to Be Strictly Fresh.

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago.

Greenhouses: Hinsdale, Ill.

Roses

Rhea Reid, Richmond, Pink Killarney, White Killarney and Perle.

Specials extra select Red roses.....	\$10.00	Per 100
Specials extra select Pink and White.....	8.00	
Medium and long.....	\$5.00 to 6.00	
Short.....	3.00 to 4.00	

Greens

Asparagus, sprays, per 100.....	3.00 to 4.00	Per 100
Sprengerl, per 100.....	2.00 to 3.00	
Ferns, per 1,000.....	\$2.50	
Smilax, per doz.....	2.00	
Adiantum, per 100.....	1.00 to 1.50	
Mexican Ivy, per 1,000.....	\$6.00	
Galax, bronze, per 1,000.....	1.00	

Chicago.

MARKET IMPROVING SLOWLY.

There is a much better feeling throughout the market, for though there is plenty of all kinds of stock, yet the shipping trade has shown a decided improvement and the retailers of the city are buying more freely. The amount of stock received is, however, very large and the condition of the market is such that a stormy day which takes the transient trade off the street, puts a stop on the retailer and the trade at the wholesale market is immediately quieter and the stocks accumulate. But the lethargy which has been so noticeable for the last two weeks has given away to much brighter prospects which is reflected in the faces of all the dealers, and all are looking forward to Easter. Many orders for that great flower day have already been received and booked and promise is bright for a splendid trade. Roses are being received in larger quantities and some of the highest grade stock of the season can now be found on the growers' tables and at all the stores. American Beauty is in better supply with the exception of the longest stemmed grade, there being many more of the medium and short stemmed than there has been for a long time. Killarney and White Killarney are in splendid form, some superb stock being offered on long stems, with large, long, well colored buds. Richmond is in better supply but the shipments of this rose are not heavy. Melody is seen of magnificent quality and this is a most beautiful yellow rose when at its best, and it is proving a great favorite with the trade. Mrs. Aaron Ward is also of good quality and the copper yellow flowers never fail to attract attention. Carnations are in great supply and the stock is of the

highest quality, some exceptionally fine flowers of all the standard varieties being shown. The fickleness of the market is shown by the way in which red carnations have been bought in the last two weeks. Last week there was but little demand and they accumulated quickly; this week they have had a good call and cleaned up well. Lilies are in good supply as are callas, but the demand is not large. Lily of the valley is of high quality and plentiful. Bulbous stock is in great supply, there being large quantities of tulips of all colors and narcissus of all kinds. There are some very fine blooms of Emperors and Bicolor to be had. Hyacinths are shown in all colors. Orchids are being received in little larger supply but the demand for these is about equal to the receipts. Violets are plentiful and are having a very good call, the best flowers selling readily. Sweet peas are of the best quality; some extra fine stock with long stems and large flowers to be had daily, and the retailers are displaying them to advantage in their windows. Antirrhinums of different colors of the finest quality are shown, and pansies, lupines, mignonette, calendulas and marguerites are the smaller flowers to be had in quantity. Greens are in good demand with ample supply, but hardy ferns are still quoted at good prices. The supply houses report a large demand for Easter and are busy filling orders; some large shipments being sent out.

NOTES.

Geo. A. Kuhl, of Pekin, who is at the Presbyterian hospital, this city, has been confined to bed for several weeks with a stomach trouble, the nature of which the doctors have not yet determined. Mrs. Kuhl is in attendance upon him and the patient's

cheerfulness inspires the visitor with the belief that he will soon be out and about his duties again, as we are certain the couple's many friends here and elsewhere will be pleased to learn.

Otto Wittbold, superintendent of the Geo. Wittbold Co.'s establishment at Edgebrook, is receiving a large number of orders for lilies, azaleas, spiraeas, hydrangeas, rambler roses, lilacs, rhododendrons and other Easter blooming plants. The demand for bedding plants is also good and Mr. Anderson and his force of assistants are kept busy propagating enough stock to fill the many orders that are received.

Tim Matchen says that business at the Peter Reinberg store has picked up considerably the past week, especially the shipping trade which is now particularly good. Orders for rose plants and cuttings and carnation cuttings are coming in nicely, and two large ones, one for \$737.00 and another for \$497.00, were received this week.

Miss Gertrude Wallace, with the Chicago Flower Growers' Association, has returned from a most enjoyable visit with her friend, Miss Miller at Milwaukee, Wis. Miss Wallace now has charge of her firm's books and has also been provided with an assistant to assist her in managing these and the other office duties.

John Starrett arranged some very fine decorations at the Hotel La Salle this week when he decorated the Red room and the ball room with American Beauties and Killarney roses for the Taft Club, that entertained the president during his brief stay in this city.

Robert Newcomb, representing Vaughan's Seed Store, returned on March 11 from a successful western business trip and is now taking in the flower show at the Art Institute.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

SPECIAL PRICE

THIS WEEK ON

Extra Fancy Carnations

STRICTLY FRESH BLOOMS

\$10.00 to \$15.00 per 1000

White Carnations for St. Patrick's Day, \$3.00 to \$4.00 per 100.

FULL LINE SUPPLIES FULL LINE

CURRENT PRICE LIST

AMERICAN BEAUTIES.		Per doz.	GOOD SHORT STEM ROSES.	Per 1,000
Long Special		\$ 5.00	Our selection	\$30.00
36-inch		4.00	Our Extra Special Grade Roses charged accordingly.	
30-inch		3.00		Per 100
24-inch		2.00	WHITE CARNATIONS for St. Patrick's Day, \$3.00 to 4.00	
15-inch to 20-inch		1.50	CARNATIONS, fancy.....	\$ 3.00
12-inch		1.00	" first quality	2.00
Short Stem, per 100	\$4.00 to	6.00	" splits	1.00
		Per 100	ORCHIDS, Cattleyans, per dozen.....	\$4.00 to \$5.00
RICHMOND, select.....		\$10.00	HARRISII, per doz.....	1.50 10.00
Fancy		8.00	NARCISSUS PAPER WHITE	3.00
Medium		6.00	ROMANS	3.00
Good Short	\$3.00 to	4.00	VALLEY	3.00 to 4.00
PRINCE DE BULGARIE, extra select.....		15.00	VIOLETS, double	50c to .75
Select		12.00	VIOLETS, single, Princess of Wales.....	50c to .75
Medium	\$8.00 to	10.00	MIGNONETTE, large spikes	\$4.00 to 6.00
KILLARNEY, select.....		\$10.00	FREESIAS	3.00
Fancy		8.00	JONQUILS	3.00
Medium		6.00	DAFFODILS	3.00
Good Short	\$3.00 to	4.00	TULIPS, all colors.....	3.00
MRS. AARON WARD, extra		15.00	SWEET PEAS	40c to .75
Select		12.00	ADIANTUM, short .....	.75
Medium	\$8.00 to	10.00	ADIANTUM CROWEANUM, fancy,	1.00
MY MARYLAND, select.....		\$10.00	SMLAX	per doz., \$2.00
Fancy		8.00	SPRENGERI PLUMOSUS SPRAYS.....	\$3.00 to 4.00
Medium		6.00	PLUMOSUS STRINGS, each.....	.50c
Good Short	\$3.00 to	4.00	FERNS, per 1,000	\$2.50
WHITE KILLARNEY, select.....		\$10.00	GALAX, per 1,000	1.00
Fancy		8.00	LEUCOTHOE .....	.75
Medium		6.00	BOXWOOD, per bunch .....	.25c
Good Short	\$3.00 to	4.00	BOXWOOD, per case	\$6.50
MELODY, long	\$12.00 to	\$15.00	MEXICAN IVY, per 1,000.....	6.00 .75
Medium	8.00 to	10.00		

POEHLMANN'S FANCY VALLEY } We make these a specialty.
EXTRA FINE HARRISII LILIES } Can supply them all the Year.
 Once tried you will have no other

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Watch for Our Ad. in next week's issue of this paper.

CARNATIONS

Watch for Our Ad. in next week's issue of this paper.

A Large Quantity of All the Leading Varieties in Red, White and Pink.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

	Per Dozen	Per Dozen
60-inch stems	} \$5 00	24-inch stems.....\$3.00
48-inch stems		20-inch stems..... 2.50
36-inch stems	} 4.00	15-inch stems..... 2.00
30-inch stems		

Killarney.

	Per 100
Extra special.....	\$8.00
Selects.....	7.00
Fancy.....	6.00
Medium.....	5.00
Good.....	4.00
Short stems.....	3.00

Richmond

	Per 100
Extra special.....	\$10.00
Selects.....	8.00
Fancy.....	7.00
Medium.....	6.00
Good.....	5.00

Jardine

	Per 100
Select.....	\$8.00
Fancy.....	6.00
Good.....	5.00

White Killarney

	Per 100
Extra specials.....	\$8.00
Selects.....	7.00
Fancy.....	6.00
Medium.....	5.00
Good.....	4.00
Short stems.....	3.00

Uncle John

Select.....	\$7.00
Fancy.....	5.00
Good.....	3.00

Roses, our selection

\$3.00

Carnations,

Special.....	\$2.00
Fancy.....	1.50
Good.....	1.00

TULIPS.....

\$2.00, \$3.00 to 4.00

FERNS, per 1000, \$2.50. SMILAX, per doz., \$1.50 to \$2.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per 100, \$2.00 to \$3.00.

ASPARAGUS SPRAYS, per 100, \$2 00 to \$3.00.

A. J. Stahelin of Redford, Mich., proprietor of the movable range of greenhouses built by the Geo. M. Garland Co., is in the city this week. We are not quite sure whether he has anything to do with Garland's new stunt or not, but we would not be surprised to hear of a new creation from him in the building line.

A. Henderson & Co. are delivering their Mrs. Aaron Ward, Double White Killarney, Killarney Queen, Sunburst and other new roses that they have orders booked for this week. A. Miller is planning on making a trip through the south and visiting his home in Texas, returning here some time in June.

Philip L. McKee, with the John C. Moninger Co., is now ably assisted in the advertising department by W. M. Rupp, a son of N. J. Rupp, a member of the concern. Mr. Rupp is a graduate from high school and has had some little experience in a school paper, all of which will come in handy in his new vocation.

A. L. Vaughan & Co. sold a large quantity of stock this week when they filled some very good orders for carnations, roses and other seasonable flowers. Mr. Vaughan is building up quite a large shipping trade and the order book shows that his customers are pretty well distributed throughout the west.

Bassett & Washburn are still receiving large quantities of fine Easter lilies and expect to be in full crop with roses for Easter. Mr. Washburn says that business has picked up considerably and that the market in general has shown a decided improvement.

Kyle & Foerster's fancy sweet peas are attracting the attention of the local buyers this week and fine long stemmed stock in all colors is particularly noticeable. John Stezskal is the latest addition to the store force and is now filling the position of shipping clerk.

J. A. Budlong is again cutting quite heavily in roses and carnations and some particularly fine My Maryland roses is the leading feature this week. The other stock is also of high quality, especially their lily of the valley of the blue ribbon brand quality.

Arthur Peterson of Escanaba, Mich., is in the city this week on business and is also attending the spring flower show in the Art Institute. He reports business in the Michigan city as good, with a rosy outlook for a banner spring trade.

Sprinkleproof Sam took it good naturedly last week when some one tried to steal his trade mark and jokingly says that they may cut off his title if they will, but the memory of sprinkleproof will linger around it still.

George Balsley, of the Detroit Flower Pot Manufactory, Detroit, Mich., and Fred Hilfinger, of the Hilfinger Bros. Pottery, Fort Edwards, N. Y., attended the Clay Products exhibition at the Coliseum last week.

Mrs. E. E. Pieser will undergo an operation this week for the removal of gall stones, and her husband's many friends sincerely hope that it will be successful and that she will have an early recovery.

Clifford Pruner and F. A. Longren, E. H. Hunt's traveling men, are in the city now and will probably remain here until after Easter. C. M. Dickin-

son is helping Paul M. Bryant out with the office duties this week.

Lubliner & Trinz, the East Randolph street florists, delivered a beautiful casket cover of violets and lily of the valley to the Leweler home last week when the funeral of the well known hat man was held.

O. Johnson says that the Batavia Greenhouse Co. is going to try out some new varieties of peonies this season and that his firm has all told five acres devoted to the culture of these flowers.

Wm. Zimmerman, the popular Milwaukee retail florist, will bowl with the Cream City Eagles in the American Bowling Congress tournament at the Dexter Pavilion on March 19-20.

John Kruchten is headquarters for a fine grade of snapdragons and is offering in quantity some very choice roses, carnations, violets, lily of the valley and lilies.

John Fuhlbruegge, formerly employed in this city, but now in business for himself at Winona and Rochester, Minn., is renewing old acquaintances here this week.

F. C. Hoerber says that the stock in Hoerber Bros.' greenhouses at Des Plaines is in fine condition and they will be in full crop with roses for Easter.

Miss M. C. Gunterberg continues to fill a great many orders for orange blossoms and expects to have an abundant supply until Easter.

Weiland & Risch are cutting a large quantity of stock but the orders are coming in good and the stock cleans up well.

Sam Graff has returned to Columbus, O., after spending a week in this city.

WHITE KILLARNEY

Killarney, Richmond, Beauties, Mrs. Marshall Field, Maryland and Perle Roses, also

Large Quantities of Carnations

EXTRA FANCY STOCK. FINEST IN THE MARKET.

CURRENT PRICE LIST.

AMERICAN BEAUTIES		MY MARYLAND.		Carnations Good.....	
Per doz.		Per 100		Per 100	
Extra long.....	\$ 5 00	Select.....	8 00	Harrisii Lilies,	1 50 to 2 00
36 inch stems.....	4 00	Medium.....	6 00	Splits.....	1 00
30 inch stems.....	3 00	Short.....	4 00 to 5 00	per doz., \$1.50	
24 inch stems.....	2 50	SUNRISE.....		Valley.....	3 00 to 4 00
20 inch stems.....	2 00	Medium.....	8 00	Violets.....	60 to 75
15 inch stems.....	1 50	Short.....	5 00 to 6 00	Sweet Peas.....	75 to 1 00
12 inch stems.....	1 00	MRS. MARSHALL FIELD		Paper Whites.....	3 00
Shorts.....	75	Special.....	10 00	Tulips.....	3 00
RICHMONDS.	Per 100	Medium.....	6 00	Romans.....	3 00
Select.....	8 00	Short.....	4 00 to 5 00	Asparagus, bunch.....	3 00
Medium.....	6 00	PERLES.....		strings, 60c to 75c ea.	
Shorts.....	4 00 to 5 00	Select.....	8 00	" Sprengeri.....	2 00
KILLARNEY.		Medium.....	6 00	Smilax.....	1 50 to 2 00
Select.....	8 00	Short.....	5 00	Mexican Ivy.....	75
Medium.....	6 00	Roses, our Selection.....	4 00	Galax, bronze and green.	
Shorts.....	4 00 to 5 00	WHITE CARNATIONS for St.		per 1000, \$1.00	
WHITE KILLARNEY.		Patrick's Day.....	4 00	Leucothe Sprays.....	75
Select.....	8 00	Carnations, Fancy.....	2 50	Boxwood, per bunch.....	.25c
Medium.....	6 00			Ferns.....	per 1000, \$2.50
Short.....	4 00 to 5 00				

Extra Select Roses Billed Accordingly

PETER REINBERG,

30 E. Randolph Street,

CHICAGO.

U Budlong's
S
E Blue Ribbon Valley.

Heavy Supply

U Budlong's
S
E Blue Ribbon Valley.

ANYTHING and EVERYTHING
IN SEASONABLE CUT FLOWERS.

Roses, Carnations, Valley, Violets, Sweet Peas, Tulips, Lilies, Mignonette, and other High Grade Quality Stock.

Easter Orders Now Being Booked.

No Order
2
Large.

J.A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

No Order
2
Small.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones: Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.
G. C. WEILAND, Sec'y.

CARNATIONS

Large Supply
FANCY STOCK.

Red—White—Pink

FINE WHITE

FOR

St. Patrick's Day,

\$4.00 to \$5.00 per 100.

PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.50	\$ 2.00	1.50	\$ 1.25
Killarneys.....per 100	10.00	8.00	7.00	6.00	5.00	4.00	3.00
White Killarneys.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Richmonds.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
My Maryland.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Perle.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Maid.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Brides.....	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Carnations.....	3.00	2.00	1.00				
Callas.....	12.50	10.00					
Easter Lilies.....	10.00	8.00					
Orchids, Cattleyas.....	50.00	35.00	6.00				
Lily of the Valley.....	4.00	3.00	2.00	1.50			
Violets, Princess of Wales.....	.60	.50	.40				
" single and double.....	.60	.50	.40				
Sweet Peas.....	.75	.50	.40				
Mignonette.....	4.00	3.00					
Romans.....	3.00	2.00					
Narcissus.....	3.00						
Daffodils.....	3.00						
Tulips, Pink Novelty.....	4.00						
" assorted colors.....	4.00	3.00	2.00				
Jonquilla.....	3.00						
Daisies.....	1.00						
Asparagus Plumosus Sprays.....	4.00	3.00	2.00				
Asparagus Sprengeri Sprays.....	3.00	2.00					
Mexican Ivy, \$5.00 per 1000.....	.60						
Smilax.....	16.00	12.50					
Adiantum.....	1.00						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.50						
Boxwood, 50-lb. case \$6.00.....bunch	.25						

The three teams, representing the local Florists Clubs' Bowling League, had a very pleasant as well as a successful trip to Milwaukee last Sunday, March 10, when they trimmed up the Cream City bowlers in some very interesting and exciting games. The Wisconsin city florists certainly do know how to entertain visitors and it was with much reluctance that the local boys took leave of their good-natured rivals in the beautiful Badger city. A return match will be played here after Easter and it is looked forward to with much interest, as there is a great deal of friendly rivalry existing between both teams.

Louis Visas is doing some heavy advertising in Duluth, where his store is located, and is carrying a quarter page and half page advertisement in several of the leading dailies. He had a special sale one day last week and quoted daffodils at 50 cents a dozen and it was found after the paper was run off that the zero had dropped out, making the price as it appeared 5 cents a dozen. The daffodils were sold at the last named figure and the difference agreeably settled up between the newspaper people and the proprietor.

Poehlmann Bros. Co. is busy putting the finishing touches to their large new store and when they are completed it will have one of the finest equipped wholesale houses in this section of the country. John Poehlmann and his force of assistants are now quite at home in their new surroundings and take great pleasure in showing their customers around the store and their large supply of fancy stock.

The Chicago Carnation Co. was one of the large exhibitors at the flower show in the Art Institute this week and as usual had a fine showing and displayed some very fancy stock. Her-

ald, the firm's new carnation, is doing nicely and promises to become as popular as Manager Pyfer's favorite Washington.

Michael Fink, with Kennicott Bros. Co., looked over the "Peony King's" purchase at Joliet, last week, when he attended the meeting of the Illinois State Florists' Association in that city and says that the 10 acres look pretty big and that his firm is sure going to have some peonies for this spring.

John Zech's many friends will be pleased to hear that he is improving considerably in the Sacred Heart Sanitarium in Milwaukee and that in the course of another week he will probably be able to return to work. Allie is keeping things humming at the store during his father's absence.

Edgar Winterson has returned from a most enjoyable visit to the upper peninsula of Michigan and to Milwaukee, Wis. Edgar was on hand last Sunday to help the local boys win out at the match bowling games in the Cream City and ably assisted his team to carry off all honors.

Frank Johnson has returned from Kansas City and is again seen at the A. L. Randall Co.'s store, hustling away as busy as a bee. He reports business as good and says that his firm's green dye is selling fine and that a large number of orders are being filled.

George Sykes, with the Lord & Burnham Co., says that his firm has booked an order for nine large greenhouses for John W. Duncan, superintendent of parks at Spokane, Wash.

Theo Tolerie, formerly in the retail florist business at Goldfield, Nevada, arrived here from San Francisco this week and is now on the lookout for a good paying store in this city.

H. Van Gelder, of Percy Jones, is showing some fine carnations and is indeed fortunate in having such a

WEILAND & RISCH
WHOLESALE
CROWERS AND SHIPPERS
CUT FLOWERS
154 N. WABASH AVE.
CHICAGO
PHONE CENTRAL 879

American Beauties,
Roses,
Carnations,
Orchids, Gardenias,
Valley, Violets,
Daisies, Lilies, Etc.
Greens.

At lowest market rates

Weiland & Risch

154 N. Wabash Ave.,
CHICAGO.

large supply of white for St. Patrick's day.

Frank Kral, the enterprising South Halsted street florist, is doing so much business lately that he has found it necessary to buy a Mitchell car for delivery purposes.

Miss Katie Harris, with the Flower Shop, Memphis, Tenn., was a most welcome visitor here this week.

Joseph Labo of Joliet is another one of the progressive florists to invest in a new automobile.

E. R. Tauch of Marquette, Mich., was in the city this week for a few days on business.

CARNATIONS

A large supply of all varieties, especially white for St. Patrick's Day.

Also Lilies, Sweet Peas, Roses, Gardenias, Tulips, Snapdragons, Valley, Violets, Mignonette, Ferns and Greens of all kinds.

Let Us Have Your Order. We Will Fill It To Your Satisfaction.

JOHN KRUCHTEN

162 N. Wabash Ave.,

CHICAGO

Keep Still and Listen!

Your equipoise is worth much. Many a man loses his grip through being excited. We can fill your order for a thousand dollars' worth of flowers with the same degree of precision and calmness as though it were in the five dollar class. **They all Look Good to Us Whether Large or Small.**

A. L. VAUGHAN & CO. (Not Inc.)

Telephones { 2571 Central.
2572 Central.

161 N. Wabash Ave, Chicago

Frank M. Kidwell, eldest son of J. F. Kidwell, president of the Chicago Flower Growers' Association, and Miss Mabel Dewey, were married at the home of the bride's parents in Downers Grove last Wednesday, March 6. The wedding was a quiet affair and only the relatives and most intimate friends were present. The happy young couple will make their home at the Kidwell residence on Wentworth avenue, which was formerly occupied by the groom's father, and they have the best wishes of the trade for a most enjoyable time on their matrimonial voyage.

W. A. Ward, vice-president and sales manager for the American Tag Co., 6133 State street, is having quite a number of inquiries from florists for tags and is at present printing some very fancy ones for Canger & Gormley of this city and the Joy Floral Co. of Nashville, Tenn.

George C. Weiland has already ordered his next season's supply of coal and is now assured of a sufficient supply to heat his greenhouses for a long time to come.

Harry Papworth, of the Metairie Ridge Nurseries, New Orleans, La., is in the city this week and has an exhibit at the spring flower show at the Art Institute.

Miss Mary J. Wittmer and her mother of Winamac, Ind., were in the city a few days this week on business.



ORCHIDS

and All Other Desirable Flowers

GREEN DYE

Don't overlook the fact that I have the **Best St. Patrick Green Dye** on the market. Do not buy the expensive fluid when you can get this powder and mix it yourself. Per package, 25c; 3 packages, 60c; per doz., \$2.00, postage prepaid. Package will dye from 100 to 150 carnations. Order now.

CHAS. W. MCKELLAR
162 N. Wabash Avenue,
CHICAGO.

The Woodlawn Floral Shop, East Sixty-third street, is remodeling the interior of their store and is waiting for warmer weather to put in a new window.

Sinner Bros. are cutting some very fine lilies, roses and carnations and John reports that the stock in their greenhouses is looking better than ever before.

"The Busiest House in Chicago"

ALWAYS

Has a large quantity of Strictly Fresh Chicago Grown Double Violets, Sprengeri and Plumosus Sprays, Roses, Carnations, Bulbous Flowers and all other seasonable stock.

J. B. DEAMUD CO.

160 N. Wabash Ave.,

CHICAGO.

Ed. Winterson Co.,

166 N. Wabash Ave.,
CHICAGO.

WHOLESALE CUT FLOWERS, GALAX AND OTHER GREEN GOODS.

Extra Choice Stock.

Large Quantities and Reasonable Prices

Bronze Galax

We have 50 cases that run a little small but contain good stock, 10,000 to the case, \$4.50 per case. 60c per 1000. Large size \$7.50 per case, \$1 00 per 1000.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

Wietor Bros. are commencing to cut more heavily in roses and N. J. Wietor says that his firm will again be in full crop for the holidays and that it will have the same quality of flowers to offer for Easter that it did last Christmas. American Beauties of fine quality in all grades and Richmond, Killarney, White Killarney and Uncle John roses as well as fancy carnations, especially Winsor and Victory, are arriving in large quantities and in the best of condition.

J. B. Deamud Co.'s growers are all in grand crop and the receipts of the best of seasonable stock are large, with violets of high quality a specialty. No matter how quiet business is there is always something doing with the two young hustling assistants of this house, Wilder, the son of the proprietor, and Ernest Farley. If there is any chance to place the stock it is not overlooked for a minute.

The Atlas Floral Co. arranged the bouquets of flowers that the Bohemian school children presented to President Taft at the Bohemian school last Sunday, March 10. Two large bouquets of American Beauty roses and one of White Killarney roses artistically arranged in Bohemian colors were greatly admired by the vast throng of people that were present.

Schieden & Schoos of Evanston will after June 1, 1912, dissolve partnership, Mr. Schoos this week buying out his partner's interest for \$4,000. Mr. Schieden has already purchased property on Asbury street, two blocks south of the present establishment, with the intention of starting work on a new range in the very near future.

The banquet tendered the executive committee of the Society of American Florists, in session here this week, will be held at the LaSalle hotel Thursday evening, March 14. Tickets may be secured at the wholesale houses of E. F. Winterson, D. H. Robertson and H. N. Bruns, committee.

August Lange is installing his fixtures and a large section of his working force in the new workshop recently acquired on the second floor of the Heyworth building, directly over his present store, and says the additional space, the same size as his store on the ground floor, is already fully occupied.

Wendland & Keimel, of Elmhurst, the well-known growers of fancy Killarney roses, will grow Killarney Queen quite extensively next season and they expect to ship large quantities of choice stock to the E. C. Amling Co., who handles their output exclusively.

The Superior Machine & Boiler Works received a very complimentary letter this week from H. Roth of Lafayette, Ind., who speaks in glowing terms of their No. 4 Superior boiler and says that it is the finest one that he ever had on his place.

J. T. Helbok sold his place on Wrightwood avenue this week to John Furmann and is now planning a trip to Europe this summer.

George Reinberg is filling a large number of orders for rose plants and is cutting a good supply of stock of all kinds.

Fred Lautenschlager, Kroeschell Bros. Co.'s hustling boiler man, is expected home from the east in a few days.

Vaughan's Seed Store has handled three carloads of sphagnum moss in the past two weeks.

Visitors: Wm. P. Craig, Philadelphia, Pa.; W. F. Lodge, Monticello; E. R. Tauch, Marquette, Mich.; Arthur Peterson, Escanaba, Mich.; W. W. Coles, Kokomo, Ind.; Harry Balsley, Detroit, Mich.; A. S. Swanson, St. Paul, Oscar Swanson, Minneapolis, Minn.; H. Papworth, New Orleans, La.; Sprinkleproof Sam, representing Wertheimer Bros., New York; E. Allan Peirce, Waltham, Mass.; G. Hylkema, representing Van Zanten Brothers,

Hillegom, Holland; G. A. Claussen, Albert Lea, Minn.; John Fuhlbrugge, Winona, Minn.; S. W. Coggan, Battle Creek, Mich.; A. N. Kinsman, Austin, Minn.; O. J. Olson, St. Paul, Minn.; John A. Evans, Richmond, Ind.; Chas. H. Hewett, Monmouth, Ill.; John J. Stuppy, St. Joseph, Mo.; Fred Rentschler, Madison, Wis.; Carl D. Ellspermann, Evansville, Ind.; H. W. Pilgrim, Otto G. Koenig, Fred Meinhardt and Miss Tillie Meinhardt, St. Louis, Mo.; A. F. J. Baur, Indianapolis, Ind.; Robert Craig, Philadelphia, Pa.; Herbert Smith, Danville, Ill.; M. E. Carter, Kansas City, Mo.; Richard Vincent, Jr., and wife, White Marsh, Md.; H. A. Bunyard, John Young, New York; C. H. Totty, Madison, N. J.; J. T. Temple, Davenport, Ia.; Henry Gaethje, Rock Island; Jos. H. Hill, Richmond, Ind.; Albert Hall, Pittsburg, Pa.

Chicago Florists' Club.

The regular meeting was held at the Union restaurant March 7, President Foley in the chair. There was a good attendance and the business transacted was mostly routine. J. F. Potoacka, 176 North Michigan avenue; Paul M. Bryant, 131 North Wabash avenue; J. Schriver, Twenty-sixth street and Western avenue; C. F. McCormick, 143 North Wabash avenue, and Samuel Seligman, New York, were elected members and the following were nominated for membership: Henry Klunder, 70 East Monroe street; Wm. Teegan, Morton Grove; John Van Hess, 31 West Randolph street, and Geo. Real, 31 West Randolph street. Allie Zech, reporting for the sports and pastimes committee, said that the bowlers had arranged to play the Milwaukee florists March 10 and that arrangements had been made to entertain the Stuppy Floral Co.'s team March 8. H. N. Bruns, H. E. Philpott, A. Henderson, Arnold Ringler, E. C. Amling, A. C.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House,

66 E. Randolph Street,

Phone Central 1496.

CHICAGO.

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. E. H. HUNT CHICAGO, ILL.

Kohlbrand and A. T. Pyfer resigned the chairmanships of their respective committees and their resignations were accepted.

Attention having been called to the early meeting in this city of the executive committee of the Society of American Florists, to arrange for the convention here next August, it was decided to tender the committee a banquet and President Foley has announced E. F. Winterson, D. A. Robertson and H. N. Bruns as a committee to make the necessary arrangements. It is understood that the banquet will be held at the La Salle hotel Thursday evening, March 14. Tickets may be had at the wholesale houses.

A number of visitors were in attendance, including W. P. Craig, Philadelphia, Pa.; J. F. Ammann, Edwardsville; Geo. Balsley, Detroit, Mich.; W. J. Heimbreiker, Lincoln; John DeBuck, New York, and Geo. Weinhoeber, Messrs. Ammann and Weinhoeber making brief addresses.

"Sprinkleproof Sam," the Werthemer ribbon man, will be Samuel Seligman on the club records, the pet name being eliminated by vote.

Chicago Bowling.

John Stuppy's crack bowling team, representing the Stuppy Floral Co. of St. Joseph, Mo., gave the picked team that represented the local Florists' Club bowling league a good trimming last Friday, March 8, at Bensinger's alleys on West Randolph street. A large number of people in the trade were present to witness the exhibition, and although they were a little bit disappointed because the home boys lost, they were pleased to see the visitors win. Mr. Stuppy wishes to thank the local people for the many courtesies that were extended to him and his team during their brief stay here and says that if any of the boys happen to stroll through St. Joseph, Mo., he would try and reciprocate. The visitors made a most favorable impression with the trade here and if they could have heard the pleasant things that were said of the St. Joseph boys, six young fellows would be wearing a much larger hat. Come again, boys, you are always welcome. The scores were as follows:

Stuppy Florals.		Chicago.	
Lambers	180 171 211	Lorman	215 171 200
Schiesl	184 188 164	Krone	155 204 139
Drain	166 200 167	Balliff	158 199 166
Perkins	162 188 177	Zech	178 186 136
Falkeob'k	168 223 194	Fischer	188 137 201
Totals	860 970 913	Totals	894 897 842

The following table shows the standing of the teams and the number of games that each have won and lost to date:

Geo. Reinberg

Wholesale Florist

162 N. Wabash Avenue, CHICAGO.

Wholesale Flower Markets

CHICAGO, Mar. 13.		Per doz.
Roses, Beauty, specials	.....	5 00
" " 36-in	.....	4 00
" " 30-in	.....	3 00
" " 24-in	.....	2 00
" " 15-20-in	.....	1 50
" " 12-in	.....	1 00
" " Short	.....	Per 100
" Killarney	.....	4 00@ 6 00
" White Killarney	.....	3 00@ 10 00
" Richmond	.....	3 00@ 10 00
" Prince de Bulgarie	.....	00@ 15 00
" Mrs. Aaron Ward	.....	8 00@ 15 00
" My Maryland	.....	00@ 10 00
" Perle	.....	00@ 10 00
" Melody	.....	00@ 15 00
" Bride	.....	00@ 10 00
" Bridesmaid	.....	00@ 10 00
" Uncle John	.....	00@ 8 00
" Mrs. Jardine	.....	00@ 8 00
" Mrs. Marshall Field	.....	3 00@ 8 00
Carnations	.....	1 00@ 3 00
Cattelyas	..... per doz.	4 00@ 6 00
Dendrobium Formosum	.....	5 00@ 6 00
Daffodils	.....	3 00
Gardenias	.....	3 00@ 4 00
Lilium Harrisii	..... per doz.	1 50 10 00
Mignonette	.....	4 00@ 6 00
Paper Whites	.....	3 00
Romans	.....	3 00
Sweet Peas	.....	40@ 75
Freesias	.....	3 00
Stocks, single	..... per bunch.	1 00
double	.....	1 50
Tulips	.....	3 00
Valley	.....	3 00@ 4 00
Jonquils	.....	3 00
Violets, Single	.....	50@ 75
Double	.....	50@ 75
Adiantum Croweanum	.....	1 00
Boxwood	..... per bunch.	25
Ferns	..... per 1000.	2 00@ 2 50
Galax bronze	.....	t 00
green	.....	1 00
Leucothoe	.....	75
Mexican Ivy	.....	75
Plumosa String	..... each.	50
Smilax	..... per doz.	2 00
Sprengerl, Plumosa Sprays	.....	2 00@ 4 00
Winter Berries	.....	1 50@ 5 00

Won Lost		Won Lost	
Orchids	41 16	Roses	26 31
Carnations	30 27	Violets	17 40

The following are the individual averages for games played this season:

Fischer	169 26-30	Farley	153 45-48
A. Zech	166 36-51	Ayers	153 32-41
Balliff	163 25-36	Lorman	150 11-51
Huehner	162 11-51	Stack	143 39-42
Graff	162 26-48	Krauss	142 29-33
Wolf	161 31-37	Schlossman	130 13-30
Schultz	155 8-48	Winterson	121 6-35

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

88-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3519.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.

Store, 162 N. Wabash Avenue CHICAGO

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

BUY YOUR CARNATIONS OF GROWERS

Direct From Greenhouses

Quality best and absolutely fresh. Prices reasonable. Try us today.

Brant & Noe Floral Co., 5744 Brantwood Ave. CHICAGO.

Individual and team scores for games played Wednesday, March 6:

Roses.			Violets.		
Stsck	139	123 155	Byers	160	163 156
Welch	179	177 115	Weinboer	122	150 148
Wenzel	171	140 144	Klynder	120	154 158
Wolf	173	147 214	Mueller	134	190 153
Fischer	138	189 168	Krone	172	159 176

Totals			Totals		
800	777	796	708	816	792
Orchids.			Carnations.		
Huebner	115	142 151	Lorman	159	208 157
Graf	175	167 169	Ayres	165	195 181
Krauss	177	155 148	Schultz	129	193 181
Farley	133	168 141	Balliff	156	157 147
Huebner	167	140 152	A. Zech	162	180 182
Totals	767	772 761	Totals	770	873 798

Milwaukee Bowling.

About 15 young fellows came up from Chicago last Sunday, March 10, and showed us fellows how to roll the balls down the alleys, or, in other words, how to knock down the pins. They were not satisfied with winning from the first or second teams but also carried off the honors from the third team. Some of the games were very close and exciting and a good deal of good-natured rooting by the enthusiastic crowd led some of the residents in the neighborhood for many blocks around to think that the teams were striving for international honors. Taken on the whole every one seemed to have had a most enjoyable time and the way the spread disappeared after the contest was enough to show that both sides had worked up a wonderful appetite and had done their best to win. It was quite late when the visitors left for home, and it was agreed on both sides that these enjoyable visits could not occur too often and it is with much pleasure that the local boys are looking forward to the return match in the Windy City. The ladies also bowled, and if some of their scores could be compared with the gentlemen bowlers it might be found that they clearly outclassed the masculine sex.

Individual and team scores for games played Sunday, March 10:

FIRST TEAM.			Chicago.		
Milwaukee.			Chicago.		
Holton	213	158 184	Lorman	140	171 150
Nobes	155	132 160	Graf	147	179 172
Kellner	125	144 125	Schultz	149	175 155
Gutbrod	155	137 182	Balliff	144	197 169
Rusch	207	208 128	A. Zech	180	178 160
Totals	854	779 779	Totals	766	900 814

SECOND TEAM.			Chicago.		
Milwaukee.			Chicago.		
Currie	123	120 160	Krauss	150	185 136
Hunkel	130	124 123	Walsh	149	115 148
Zweifel	118	159 140	Geerisch	133	135 139
Pohl	121	129 169	Farley	124	190 120
Manns	133	138 111	Wolf	165	192 148
Totals	625	670 703	Totals	691	817 691

THIRD TEAM.			Chicago.		
Milwaukee.			Chicago.		
Schmitz	137	141 108	Pink	145	110 121
Hare	129	125 137	Ollinger	112	108 175
Eggelbort	160	112 96	Winters'n	138	162 113
Leitz	86	112 160	Beyers	129	137 186
Halliday	117	125 114	Wenzel	167	129 182
Totals	519	615 615	Totals	691	646 777

After the regular games had been bowled a three men match was arranged for and the Milwaukee boys got the better of it by beating them two straight. Then a two man match was arranged for and the Milwaukee men again beat them two out of three, the following scores resulting. Three men match scores:

F. Holton	199	169	Lorman	163	136
G. Rusch	192	211	Balliff	167	152
C. Gutbrod	137	154	A. Zech	170	180

Two men match:

F. Holton	183	158 139	A. Zech	168	164 182
G. Rusch	197	164 184	Balliff	162	166 174

DAYTON, O.—The Florists' Club held their annual meeting March 4, at the J. F. Young establishment and elected the following officers: Forest R. Mitman, president; Arthur Schmidt, vice-president; Horace Frank, secretary, and Geo. Bartholomew, treasurer.

—THE—

J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

—

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

—

316 Walnut St., CINCINNATI, OHIO.
Phone Mala 584.

Mention the American Florist when writing

Wholesale Flower Markets

CINCINNATI, Mar. 13.

Roses, Beauty	per doz., 50@	4 00
" "	Per 100	
" "	Bride, Bridesmaid	3 30@ 6 00
" "	Killarney	3 00@ 6 00
" "	My Maryland	3 00@ 6 00
" "	Perle	3 00@ 5 00
" "	Richmond	4 00@12 00
Carnations		2 00
Freesias		2 00@ 3 00
Lilium Gigantum		15 00
Lily of the Valley		3 00@ 4 00
Narcissus		2 00
Jonquils		3 00
Sweet Peas		35@ 50
Violets, double		50
" "	single	50
Adiantum		1 00
Asparagus Plumosus	per buoch.	25
Asparagus Sprengerl.	per buoch.	25

St. Louis, Mar. 13.

Roses, Beauty, medium stems	20 00@25 00	
" "	short stems	2 00@ 4 00
" "	Bride, Bridesmaid	3 00@ 4 00
" "	Killarney	4 00@ 8 00
" "	My Maryland	3 00@10 00
" "	White Killarney	4 00@ 8 00
Carnations		1 00@ 1 50
Callas		10 00@12 50
Easter Lilies		10 00
Valley		3 00@ 4 00
Asparagus Sprengerl.		2 00@ 3 00

Cincinnati. SUPPLY STILL LARGE.

Last week the market was the lowest since the beginning of Lent. It was only toward the close that there was anything doing at all and that was not very much. The supply continues very large as far as the number of blooms is concerned. The sales are large. Most of them, however, are made at sacrifice prices. The stock generally is running good. In roses the offerings of Killarney and White Killarney are excellent, while some of the Brides and Bridesmaid arriving on Third street are some of the very best ever seen in the market. The offerings of real choice American Beauties is not large and some more good ones might easily be used. Carnations are still a big seller but the price on them is down at the very bottom. Absolute cleanups of this flower, owing to the large supply, are utterly impossible. Violets are not selling at all, while in sweet peas only the choice ones move nicely. The supply of bulb stock is not quite as large as it was, but is easily adequate. Neither callas nor Harisii lilies move very quickly; the supply of each, however, is large and good.

NOTES.

The general appearance of long-stemmed Bridesmaid at C. E. Critchell's last week showed that the rose is far from being entirely crowded out by Killarney. The blooms were among the best offered in this market for many a day.

Francis Pentland of Lockland, one

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.
Supplies and Everything in Season always on hand

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

THE MUNK FLORAL CO.
Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.
Columbus, Ohio

Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio
Wholesale Growers of
EASTER LILIES, Ferns and Decorative Greens
Write for prices
Telephone West 562.

C. E. CRITCHELL
34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

EASTER LILIES
(CUT BLOOMS.)
Choice quality always on hand at market prices, also all other seasonable stock.
GEO. H. ANGERMUELLER, Wholesale Florist,
1324 Pine Street, ST. LOUIS, MO.

of the old time florists of this vicinity, died on Monday afternoon. Mr. Pentland retired quite a number of years ago.

Wm. Whitaker of the J. M. McCullough Sons Co. has returned from a trip through Ohio, Kentucky, West Virginia and Pennsylvania.

Mrs. L. H. Kyrk has been spending several weeks at Tiffin with her mother. The latter has been seriously ill.

Max Rudolph of this city and Jos. Goldman each have part of the Alms & Doepeke opening.

Visitors: Two tin foil men—Schwartz of New York and C. M. Witsch of the American Foil Co. of New York.

H.

HACKENSACK, N. J.—The Birchwood Gardens of Maywood cordially invited the public to inspect the large range of houses early in March and many visitors took advantage of the invitation extended by Proprietor Mable.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

Milwaukee.

STOCK INCREASES AND LESS DEMAND.

The market conditions are in bad shape. The bright weather that has prevailed for the past week has brought the stock in very plentifully and with the Lenten season on, the demand for flowers has decreased considerably, and this naturally helps to glut the market. Carnations are the most plentiful, the cheaper grade selling at any price offered when sold in quantities. Violets also suffered considerably, which was due to a great extent to the cold weather which has been prevailing for the past two weeks. Sweet peas also suffered the same way. Easter lilies and callas are plentiful, as the bright weather has brought these in heavily and with the few funeral orders on hand they moved very slowly. Roses are again in demand and selling at a normal price.

NOTES.

Holton & Hunkel Co. have their stock in their greenhouses in exceptionally fine condition and are going to have some choice rambler roses and Easter lilies to offer for the Easter trade. This firm has 14,000 lily plants all told and the majority of them will be marketable for the great lily day. The cut flower plants are also doing nicely especially the American Beauty roses, which are very fine now.

G. H. Hunkel says the asparagus seed business is good and that he is now looking for additional warehouse space. He says that the recent cold weather put quite a crimp in the business but looks for trade to liven up pretty soon.

C. C. Pollworth Co. is pretty well fixed on blooming plants, especially lilies and azaleas, and will have some nice stock to offer for the Easter trade. This firm is now cutting some choice cut flowers with carnations showing up exceptionally well.

Gust Rusch & Co. report business fair with the outlook a little brighter than it has been for some time past. Mr. Rusch says he will have a nice lot of plants as well as cut flowers to offer for his Easter trade.

Wm. Zimmerman will bowl with the Eagles in the American Bowling Congress tournament, now being held at the Dexter Pavilion in Chicago, on March 19-20.

Gustav A. Pohl has his stock in his greenhouses in fine condition and if the Easter trade is very good he ought to get some good returns for his stock.

Roy Currie entertained his friend Edgar Winterson of Chicago here for a few days this week. Everyone knows that Roy is some entertainer.

A. Currie & Co. report that business in the seed line is picking up considerably and that the prospects for the coming season are very bright.

Chas. Kamp has purchased the lease of Heiden's greenhouse from Wm. Eschrich. He intends growing stock for the local market.

Mrs. A. F. Kellner, secretary and treasurer of the A. F. Kellner Co., is taking the mud baths at Waukesha this week.

T. Plozcienzak and wife of the Mitchell Street Florist are rejoicing over the arrival of a baby boy.

Clifford Pruner, E. H. Hunt's traveling man, called on the trade here this week.

GUST. RUSCH & CO.



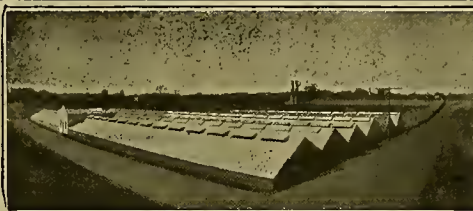
Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 3209. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.



A Good Place to Buy Cut Flowers. Palms, Ferns

Bulbs and Florists' Supplies. Write next time you need anything C. C. POLLWORTH CO., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Mar. 13.

Roses, Beauty...per doz., 1 00@ 5 00	Killarney..... 3 00@10 00
Richmond..... 3 00@10 00	White Killarney..... 3 00@10 00
Carnations..... 1 00@ 3 00	Lillom Gigenteum..... 8 00@10 00
Lily of the Valley..... 3 00	Paper Whites..... 2 00@ 3 00
Snappdragone.....per bunch, 35@ 75	Violets..... 50@ 75
Adelantum..... 1 50	Asparagus.....per string, 50@ 75
Sprengerl, per bunch, 25@ 35	Ferns, Fancy.....per 1000, 2 00
Galax green.....per 1000, 1 50	Galax bronze.....per 1000, 1 50
Smilax.....per doz., 1 75	Wild Smilax.....per case, 5 00

H. V. Hunkel has returned from a few days' business trip to Madison, Wis.

The bowling scores this week were as follows:

R. Currie.140 124 103	G. Rusch.158 139 187
C. Gutbrod.179 126 185	F. Holtou.132 145 186
G. Pohl...163 127 156	G. Hunkel.117 113 139
N. Zweifel.114 189 145	A. Hare...127 124 101
Halliday...113 103 121	L. Manos...137 147 185
R. Leitz...102 134 116	Oestr'cher 100 119 113
P. Nobos...148 193 159	

G. R.

CLEVELAND, O.—The city government has passed several ordinances for the purchase of pieces of property for park purposes.

BUFFALO, N. Y.—The imposing curvilinear iron frame palm house and wing house at Delaware park has been completed by the Lord & Burnham Co. D. R. Seymour, the superintendent, and Assistant Donaldson have some choice plans under way for securing delightful landscape effects as a departure from the usual crowded, uninviting palm house treatments.

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH.

Everything in Cut Flowers, Greens, Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.

RICE BROTHERS

Wholesalers of Cut Flowers and Florists' Supplies.

Minneapolis, Minn.

Holyoke, Mass.

A meeting of the Holyoke and Northampton Florists' and Gardeners' Club was held March 5 at the Mount Holyoke greenhouses. Fred Barnard of the Smith College greenhouses read a paper on "Cyclamen." An interesting paper was read by R. Carey on the "Private Gardener." Fred Bartlett gave a talk on the use of concrete in the construction of greenhouse benches illustrating his talk by a model. After the reading of the papers a number of plants were exhibited by the members. G. S.

BROOKLYN, N. Y.—Robert Clohessy, a florist and gardener, died Saturday, March 2, aged 43 years. He is survived by a widow and four children.

SPRINGFIELD, MASS.—The Springfield Amateur Horticultural Society held its regular meeting March 1. Plans for the season's exhibitions were discussed and a committee appointed to have charge of them. An offer of cash prizes to the amount of \$140 was received from the Springfield Republican.

Rooted Carnation Cuttings of Mrs. C. W. Ward and Alma Ward

\$3.50 per 100; \$30.00 per 1000. Delivery Feb. 1.

Both varieties are too well known to require any description. Most growers who bought cuttings last spring are growing them successfully. The flowers continue to be in favor with the retail trade and command the best prices. Also almost all the Commercial Varieties on the market today.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

Philadelphia.

PRICES LOW.

There are more flowers than there is business to use them up, which is the situation in a nutshell. While this is the case with the general variety of the stock coming in it does not hold against the extra or select grades, which do not seem to accumulate to any great extent, it being the lower or cheaper grades that are hard to clean up. American Beauties are much more plentiful, so much so that they are being pushed in the market at half the price or less than quoted a week ago. Five dollars a dozen will now get the choice, and very good shorter lengths are sold much lower. Exceptionally fine Killarneys are offered, the best ever seen on this market. Sweet peas in abundance, very fine stock, have been good sellers. Carnations are also very fine and rather more are offered than the market will take, so that prices rule low. Daffodils and tulips are very plentiful and are offered as low as \$1.00 per hundred; lily of the valley sells fairly well, as do violets, although the shipments are very large. Greens are freely offered, the early spring growth having gotten hard enough to cut.

NOTES.

Judging from the amount of new houses and renewals that are only waiting the arrival of good weather for commencement the business must be in a healthy condition. The Joseph Heacock Co. have given the Lord & Burnham Co. an order for a house 72 feet 6 inches x 600 feet of even span. Mr. Heacock says that the first house erected last season was on the shadeless ridge plan, but they have found by experience that in the winter when the sun is low there is no shade, as the sun does not get high enough to cast a shadow, and in the spring when it does there is so much surplus light that it does not matter. So the new house is to be even span and the making it 20 feet wider than the first house is for economy, something over ten per cent saved in the cost of covering 72 x 600 feet as against 52 x 600 feet. The larger amount of table space showing a less cost per foot in the larger than in the smaller house. George Anderson will replace two of his old houses 30 x 125 feet with new ones. Dennis T. Connor, of the Foley Co. has the order for the lumber. Mr. Connor will also furnish John Burton with materials for a house 31 x 150 feet. Harry Weiss of Hatherso will erect a Lord & Burnham house 35 x 300 feet for carnations, with which flower they have been very successful.

One of the wholesalers says it will come to this: "That the wholesale men will have to get together and rent a store in the market street shopping district and there dispose of their surplus at retail." He is confident that there would be big money in it. Query: Was the man in earnest or having a dream? Would the C. M. buy the stock and stand the loss of any unsold, or would they as now, after the expenses of the venture, turn over the balance less commission to the grower???

Sweet peas in quantity, grand stock, have been seen at the S. S. Pennock-

EASTER LILIES

GIGANTEUM, Best Quality,

12c per bloom, cut or in pots

Place your orders with us for now and Easter. Our Specialties:

ROSES.

Mrs. Aaron Ward, Waddell, Lady Hillingdon (yellow), Rhea Reid, Beauties, Cardinal, Taft, Killarney, Maryland.

CARNATIONS.

All Standard Varieties.

VIOLETS.

Princess of Wales, Marie Louise.

Valley, Sweet Peas, Calla Lilies, Orchids, Gardenias, Paper Whites, Jonquils, Tulips (La Reine and Murillo), Pansies, Sprenger, Plumosus, Smilax Strings, Maidenhair Ferns, and all Seasonable Flowers.

We are the best equipped house in New England for shipping flowers. Can fill orders for everything in the cut flower line. We pack our flowers with the utmost care in order to insure safe arrival. We have pleased hundreds of customers and can certainly please you. Give us a trial order and be convinced. We handle the Stock of 100 of the Best Growers in New England. Satisfaction Guaranteed. Write, wire or telephone.

HENRY M. ROBINSON & CO.

Wholesale Commission Florists, Importers and Manufacturers of Florist Supplies, Dealers in Hardy Cut Evergreens,

15 Province Street, **Boston, Mass.** 9 and 15 Chapman Pl.

BRANCH STORE: 46 West 26th St., NEW YORK CITY.

Wholesale Flower Markets

	PHILADELPHIA, Mar. 13.	Per 100
Roses, Beauty, extra.....	60 00	@75 00
.. first.....	30 00	@40 00
.. Brides and Maids.....	4 00	@15 00
.. Killarney.....	4 00	@15 00
.. White Killarney.....	4 00	@15 00
.. Liberty.....	4 00	@15 00
Callas.....	3 00	@10 00
Cattleyas.....	35 00	@50 00
Daffodils.....	2 00	@3 00
Gardenias..... per doz.,	2 00	@3 00
Lilium Harrill.....	8 00	@10 00
Lily of the Valley.....	3 00	@5 00
Marguerites.....	75	@1 50
Mignonette.....	3 0	@4 00
Narcissus Paper White.....	1 50	@2 50
Snappers.....	8 00	@16 00
Sweet Peas.....	50	@1 00
Tulips.....	2 00	@3 00
Violets, single.....	50	@75
.. double.....	50	@75
Adiantum.....	1 00	@1 50
Asparagus..... per bunch,	50	
Smilax.....	15 00	@20 00

Meehan Co., in fact, everything worth having is to be had in quantity here. "If a retailer wants to try a special sale we will surprise him with the reduction he will get from the small lot prices of the cautious buyer." So says Charles Meehan.

The trade were much pained to hear of the death of Belthaser Stahl, which occurred on March 8. A faithful, hard working member of the craft. The business will be continued under the management of his son, C. B. Stahl.

Adolph Farenwald is planning an important addition to his already large place and there are many more who are about to make additions when the rush of the Easter season is over.

The Leo Niessen Co. are getting strong on American Beauties and offer

special inducements in this popular rose. They have been getting splendid stock in quantity the past week.

W. J. Baker was back on the job for a day or two. He will be about from now on, whenever the weather is favorable.

"Asparagus is always on the go. I can never get enough of this or of maidenhair," says Alfred Campbell.

Sweet peas and carnations are leaders at Ed Reid's, where they are daily handled in large lots.

Princeton roses and violets are leading features at Berger Bros.

K.

Boston.

A GREAT IMPROVEMENT.

Friday and Saturday of last week broke the glut which has held Boston in its grip, although there was no great advance in prices, but there was a clean up on almost everything. It seemed like going fishing and finding the fish biting good. The glum looks and anxious faces of many have given way to smiles, and many are shaking hands with themselves at the thought that the worst is over. Roses have had clear sailing all winter, but they were in the same boat and have been jostled by the plebeian stock on either side. Roses are good, there being very little mildewed stock seen. American Beauty is somewhat scarce, especially the long stemmed. Carnations are excellent, but strange as it may seem, with all the new varieties and well grown as they are, since Christmas they have not enjoyed their former popularity judging by the prices that have been received. Pink sweet peas are somewhat scarce; the white variety

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock. Also Asp. Plumosus Nanus Seed from my own plants. WRITE FOR PRICES.

W. H. ELLIOTT, Brighton. Mass.

is overabundant. Yellow marguerites are sold readily. A gentleman well posted in the trade says: "It sells as well as anything we ever had."

NOTES.

The automobile show of pleasure cars closed Saturday night. The halls were decorated with paper roses. One firm had a nice vase of long stemmed Killarneys standing in a roped-off enclosure in front of their show car. One lady was heard to remark to her escort, "Why, those are real roses." It put us to thinking about the glut we had on them, and only one vase of roses in the show, where cars were selling from \$1,000 to \$6,000. Surely some of our enterprising flower salesmen missed connections here.

Penn the Florist had a sale of Killarney roses Saturday; the windows were packed with that rose; good stems and salable flowers. Weather spring like.

Visitors: Albert Pochelon and Robert Rahaley, Detroit, Mich. MAC.

Cleveland.

STOCK PLENTIFUL.

The conditions have improved some the past week, but stock continues plentiful and the prevailing prices are rather low. Callas are hard things to move at any price. Easter lilies sell a trifle better but at prices that are below cost of production, but in a few weeks more things will be reversed. Carnations remain in large supply, and while the demand is good, the prices realized are "rock bottom" for this time of year. Bulb stock is very plentiful. Tulips, La Reine, Proserpine and all singles are plentiful, but Murillo and other doubles are scarce. Paper White narcissus and daffodils, both single and double, still hold their own. Roses of all grades are plentiful and sell at prices within the reach of everybody. Asparagus plumosus and Sprengeri are both in good supply, as is adiantum. Lily of the valley and violets were in good demand the latter part of the week. Retailers report an excellent plant trade.

NOTES.

There was one big time at Kirchner's on Tuesday evening, March 6, the occasion being a birthday party in honor of John Kirchner. There was a well filled table of good things to eat and drink, as one florist said: "Chicken to eat, and chicken serving the eats." Card games, songs and stories were part of the evening's entertainment, and everybody reported a most enjoyable time.

The Florists' Club decorated the rooms of the West Side Chamber of Industry for the Chamber's annual banquet, in return for the use of these rooms last year, when the club held their dance.

Mrs. Lincoln Brown has been ill at the Lakewood Sanitarium for two weeks with sciatica. She is a little improved, but still very far from being able to take care of her store.

Louis Koons, Jr., of the Smith & Fetters Co., has left for California to visit Frank Smith and will be gone about a month. T. Smith is expected home this week.

G. M. Naumann is contemplating a trip to Panama in a few weeks, combining business and pleasure.

C. F. B.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

Wholesale Flower Markets

BUFFALO, Mar. 13.		Per doz.
Roses, Beauty, special.....		5 00
" " Islay		4 00
" " extra		2 50
" " No. 1.....		1 50
" " No. 2.....		50@ 1 00

		Per 100
Bon Silene.....		3 00@ 4 00
Perle		5 00@ 8 00
Maid and Bride		4 00@ 8 00
Pink Killarney		4 00@ 10 00
White Killarney.....		4 00@ 10 00
Richmond		5 00@ 10 00
My Maryland		5 00@ 8 00
Carnations.....		1 50@ 2 50
Callas.....		8 00@ 10 00
Daffodils.....		2 00@ 3 00
Daffodils, Single.....		2 00@ 3 00
Lilium Longiflorum.....		10 00@ 12 00
Lily of the Valley.....		3 00@ 5 00
Mignonette.....		2 00@ 4 00
Narcissus Paper White		2 00@ 3 00
Romans		2 00@ 3 00
Sweet Peas.....		4 @ 75
Tulips, Yellow and White		2 00@ 3 00
Violets		40@ 60
Adiantum Crowsonum.....		75@ 1 50
Asparagus, per bunch.....	35@	50
Asparagus Sprengeri.....	35@	50

PITTSBURG, Mar. 13.		Per 100.
Roses, Beauty, special.....	30 00@	40 00
" " extra	15 00@	25 00
" " No. 1.....		10 00
" " Bride, Bridesmaid.....	2 00@	6 00
" " Chateaux	2 00@	6 00
" " Killarney	2 00@	6 00
" " My Maryland.....	2 00@	6 00
" " Richmond.....	2 00@	6 00
Carnations.....	1 50@	2 00
Cattleyas.....		50 00
Lilium Longiflorum	10 00@	12 00
Lily of the Valley.....		4 00
Oncidiums.....	3 00@	4 00
Sweet Peas.....	25@	50
Violets, single.....		25
" " double.....		50
Adiantum Sprengeri, per bunch.....	35	1 00
Asparagus Sprengeri, per bunch.....	35	
sprays.....per bunch.....	35	

BOSTON, Mar. 13.		Per 100
Roses, Beauty, best	25 00@	50 00
" " medium	15 00@	20 00
" " culls	2 00@	4 00
" " Bride, Bridesmaid.....	2 00@	6 00
" " Extra.....	6 00@	12 00
" " Killarney and Richmond.....	4 00@	20 00
" " My Maryland.....	4 00@	20 00
" " Carnot.....	6 00@	12 00
Carnations, select.....	1 00@	3 00
Callas.....	8 00@	12 00
Cattleyas.....	35 00@	50 00
Gardenias.....	20 00@	25 00
Lilium Longiflorum	8 00@	12 00
Lily of the Valley.....	2 00@	4 00
Narcissus, yellow	1 00@	3 00
" " white	1 00@	3 00
Sweet Peas.....	25@	50
Smilax	12 00@	16 00

Pittsburg.

MORE COLD WEATHER.

Another cold spell of weather has kept down the glut of flowers to a great extent, although they are still more than plentiful. White carnations clean up nicely, although prices are low.

CLUB MEETING.

The Florists' Club met at the Fort Pitt Hotel March 5. E. C. Ludwig, who had been elected at the last meeting, celebrated the event by giving in the names of seventeen new members and promised that he would still bring them in at a good rate. Neil McCallum gave a most interesting talk on Australian plants. He was right at home in talking on this line, as he spent seventeen years in that country. The Pittsburg Cut Flower Co. showed fine sweet peas and a number of fine speci-



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121 Seventh Street, PITTSBURGH, PA.

Charles H. Tolly

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

men of Primula obconica were exhibited by private gardeners.

NOTES.

The A. W. Smith Co. had a window that instantly attracted the attention of the amateur gardeners. It was a garden scene composed of real grass, lawns, gravel, walks, cement walls, blooming trees and finally beds of different varieties of tulips just reaching perfection. J.

St. LOUIS, Mo.—Articles of incorporation have been filed by Mullanphy Florists with a capital stock, fully paid, of \$5,000, to do a general florist business. William A. Seeger, Nathaniel Kingsley and Willemene Seeger are the incorporators.

New York.

THE MARKET CONDITION DISCOURAGING.

Business could hardly be worse in the wholesale cut flower market than it has been the past two weeks, and probably the less said about it the better. Even American Beauties and orchids, which were doing well a week ago, are now in over-supply and prices very low. Carnations of all varieties have accumulated everywhere. Violets will not move at all and shipments of thousand lots have been cleared out at prices seldom heard of in this market. Sweet peas, too, even the best are in large supply, far exceeding the demand. The novelties in roses and high grade blooms of Killarneys, Richmond, Mme. Chatenay meet with more ready sale, but the same cannot be said of Brides and Bridesmaids, the quality of these two varieties being especially good at this time. In bulbous stock, lily of the valley remains about the same, daffodils selling a little better. The ordinary run of tulips are seen everywhere. There is an exception with some of the finer varieties, but even these do not bring the prices of former seasons. Callas are plentiful. Lilies sufficient to meet all demands, and the short-stemmed lilies are cleaned out with difficulty at very low prices. Lilac is plentiful, but gardenias are scarce and those that are fortunate enough to have a supply have no difficulty in getting good prices for the best flowers. Adiantum and asparagus are moving slowly, but good smilax which is in flower meets with a ready sale. As a whole, everything is moving slowly and the situation is very discouraging.

NOTES.

Thomas Roland of Nahant, Mass., was a visitor Friday. Mr. Roland is enthusiastic on National Flower Show matters and states that he will have more than a car full of his own exhibits and is making arrangements with the other exhibitors from the east to have special cars provided to come through with a special attendant to avoid delays, and to insure their safe arrival at the hall on time. In the evening Mr. Roland was entertained by his friend Louis Dupuy of Whitestone, L. I.

R. M. Schultz of Madison, N. J., is still confined to his house, having a mild attack of paralysis from his knees down, but is undergoing special electric treatment and hopes soon to be out attending to business. "Bob" is an enthusiastic worker in the New York Florists' Club and a member of the committee on awards. His cheering personality will be greatly missed at the meeting.

The board of control or local governing board of the National Flower Show in 1913 has now organized. Frank H. Traendly, chairman; Walter F. Sheridan, treasurer; Harry A. Bunyard, secretary. As much of the important work and responsibility falls to this committee, they will hold weekly meetings until the close of the exhibition.

There was an attendance of 2,300, not 23,000, at the Greek-American ball held Wednesday, February 28, but one could readily imagine, had they been present, the larger number mentioned were present. This society will have to provide a much larger hall for future affairs of this kind, which was the most successful they ever held.

Both Prof. John Craig and Mrs. Craig of Ithaca, N. Y., are patients in the Post Graduate Hospital, but Professor Craig still takes great interest in the organization of the New York State's floricultural interests and from his sick room sends requests to be kept posted as to how the movement is progressing.

The committee having in charge the arrangements for the Florists' Club's

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We are prepared to ship to all parts of the United States and Canada. Special attention given to all orders. All flowers packed with greatest care in order to insure safe arrival. No charge for packing.

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twenty-fifth anniversary dinner have everything completed and tickets will soon be mailed to those who have sent in applications. This affair promises to eclipse anything of the kind ever held in New York.

Charles H. Totty, Harry A. Bunyard, directors of the Society of American Florists, and John Young, the secretary, left here on the "Twentieth Century," New York Central, Tuesday, March 12, to attend the directors' meeting to be held in Chicago March 13.

The New York and New Jersey Plant Growers' Association made their inspection of the establishments of the New Jersey growers on Thursday, March 14, meeting at Hoboken at 9 a. m., and then taking automobiles, as was done in Long Island.

H. M. Robinson & Co. have had several large orders during the week for Mrs. Aaron Ward, Lady Hillingdon, and Waddell roses. This house does a large business in florists' supplies and this department of their business is increasing steadily.

Some of the finest American Beauties are seen at P. J. Smith's, 49 West Twenty-eighth street, received from Righter & Barton, Madison, N. J. It is to be regretted that the demand for American Beauty roses is so very slow at present.

Ex-President John B. Nugent of Young & Nugent made up the magnificent floral design sent to the funeral of the late W. Bayard Cutting, who was an honorary member of the New York Florists' Club.

VIOLETSBuy your Violets
direct from a
Large Grower

60c per 100. Best Stock.

Telephone and Telegraph Connections.

J. VONDER LINDEN,
Rhinebeck, N. Y.

It will be six weeks before Ralph Voight, the well-known rose grower of Chatham, N. J., will be able to attend to business. Mr. Voight was severely injured in an automobile accident two weeks ago.

Charles Millang is able to get to his business a little while each day now and if he continues to mend as rapidly as he has been doing, will soon be able to remain at his store during business hours.

It is reported that the Foley Manufacturing Co. are erecting two wide greenhouses 200 feet long for Cort Thimm, Roslyn, L. I. Mr. Thimm was formerly located at Bayside, L. I.


Mrs. Herman Dreyer and daughter of Elmhurst, L. I., are expected home from Bermuda this week. Y.

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	NEW YORK, Mar. 13,	Per 100
Roses, Beauty, special	15	00 25 00
extra and fancy	10	00 15 00
No. 1 and No. 2	2	00 8 00
Bride, Bridesmaid, special	4	00 6 00
extra and fancy	2	00 4 00
No. 1 and No. 2	1	00 2 00
Killarney, My Maryland	6	00 8 00
extra and fancy	3	00 4 00
No. 1 and No. 2	1	00 2 00
Richmond	1	00 3 00
Carnations	1	00 3 00
Cattleyas	20	00 40 00
D. Formosum	15	00 25 00
Freesia	1	00 1 25
Gardenias	10	00 40 00
Lilies, Longiflorum and Harrisii	4	00 8 00
Lily of the Valley	2	00 4 00
Ocridiums	5	00 10 00
Sweet Peas, per doz, bunches	1	00 1 25
Violets	10	30
Adiantum Croweanum	75	1 00

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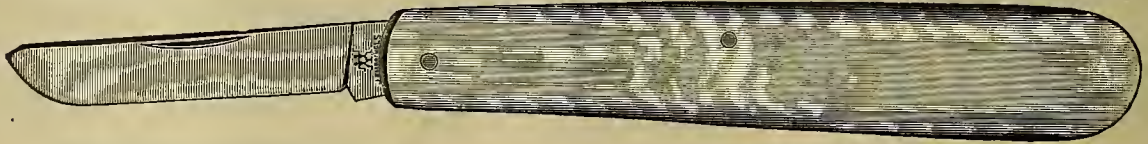
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Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employes) and we will send them the paper for one year after receipt of subscriptions.

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Wertheimer's Novelties.

Wertheimer Bros. of New York are showing an almost bewildering assortment of novelties in ribbons and chiffons for Easter. Among their latest creations are Ombre ribbons in all the effective shadings, including pink, blue, green, yellow, beauty, lavender and an especially effective Easter lily combination. Their Tutone ribbon is a rich double faced satin ribbon woven with a different color on each side. Among the combinations are foliage green and beauty, foliage green and orchid, foliage green and Nile, Killarney pink, and white, light blue and white, white and yellow and many other combinations. They are also showing a velvet ribbon with a taffeta back. The back is a different color than the velvet face. This ribbon is made in a large variety of combinations and ties beautifully owing to the soft taffeta back. The Jacquard gauze ribbons shown by this house are described as a combination of gauze and satin with small buds woven over the surface, producing an exquisite effect. The Crepon ribbons are especially dainty, having the effect of crepe paper, only infinitely more beautiful. Silverine ribbon is a new weave made in all colors. Its effect is that of a silver gauze ribbon, however, it is guaranteed not to tarnish and is much cheaper than the ordinary tinsel ribbon. In chiffons, this progressive house shows an enormous variety in every width, style and color used by florists. Their most popular creations are the Crepon Ottoman effects, also the ombre, gold and silver effects.

Wertheimer Bros. maintain a complete accessory department consisting of corsage pins, corsage shields, bridal bouquet scarfs, butterflies for decorations, corsage ties, etc. Their stocks are complete in every detail.



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
 Sphagnum Moss, large blades.....\$2.50
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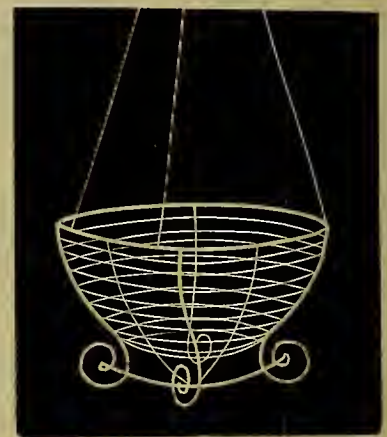
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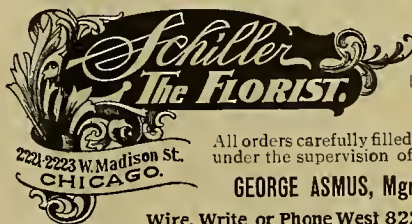
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Will execute orders for any town in

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Established 1874.

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304 Main Street.

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Denver, Colo.

The Park
Floral Co.

J. A. VALENTINE,

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Greenhouses
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Member of Florists' Telegraph Delivery.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

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Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

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IN THE HEART OF NEW YORK CITY.
Phone 6404 Madison Sq. 12 West 33d St
Our Motto—THE GOLDEN RULE

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—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.

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KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

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Best Quality on Shortest Notice

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THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



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Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

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Atlanta Floral Co.

41 Peachtree Street.

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Send flower orders for delivery in

**Boston and all
New England Points**

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124 TREMONT ST.

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**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

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Hess & Swoboda
FLORISTS,

1415 Farnum St. TELEPHONES
1501 and L 1582

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- Albany, N. Y.—Eyes, 11 N. Pearl St.
- Anderson, S. C.—The Anderson Floral Co.
- Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
- Boston—Thos. F. Galvin, Inc., 124 Tremont St.
- Boston—Hoffman, 59-61 Mass. Ave.
- Boston—Penn. the Florist, 43 Bromfield St.
- Brooklyn, N. Y.—S. Masur.
- Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
- Buffalo, N. Y.—S. A. Anderson, 440 Main.
- Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
- Chicago—Alpha Floral Co.
- Chicago—Cauger & Gormley.
- Chicago—A. Lange, 25 E. Madison St.
- Chicago—Schiller The Florist, 2221 W. Madison.
- Cleveland, O.—The Cleveland Cut Flower Co.
- Cleveland, O.—The J. M. Gasser Co.
- Colorado Springs, Colo.—Frank F. Crump.
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- Dayton, O.—Matthews, 16 W. 3rd St.
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- Grand Rapids, Mich.—Henry Smith.
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- Kansas City—Samuel Murray.
- Kansas City—Wm. L. Rock Flower Co.
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- New York—D. Clark's Sons, 2139 Broadway.
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- New York—Alex. McConnell, 611 5th Ave.
- New York—Charles Habermann.
- New York—Myer, Florist, 609 Madison Ave.
- New York—Frank Valentine, 153 E. 110th.
- New York—Young and Nugent.
- Omaha, Neb.—Hess & Swoboda, Farnum St.
- Philadelphia—Robert Kift, 1725 Chestnut.
- Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
- Poughkeepsie, N. Y.—The Saltford Flower Shop.
- Rochester, N. Y.—J. B. Keller's Sons.
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Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flower's

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

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Write, Telegraph or Telephone.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

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Canada's best known and most reliable florist
Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
ycare of your orders in **Wisconsin**

Michigan. Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of **GRAND RAPIDS**

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

A. T. FERRELL, of Saginaw, Mich., is in Panama.

SOUTHERN France reports damage to the growing Roman hyacinth crop.

EARLY seed potatoes are soaring, eating stock at Chicago in carlots, \$1.25.

REPORTS from all sections of the country indicate a very serious shortage of sweet corn.

BINGHAMTON, N. Y.—The Binghamton Seed Co. has moved from 161 Water street to 135 Court street.

ONION sets are still advancing. At this writing Chicago prices to dealers are about as follows: Reds, \$1.50; Yellows and Whites, \$1.75 to \$1.85.

PHILADELPHIA, PA. — Howard M. Earl, who has been confined to the hospital, is progressing favorably and it is expected he will leave for Atlantic City shortly.

VISITED CHICAGO: Kirby B. White, representing D. M. Ferry & Co.; Detroit, Mich., enroute to California; C. C. Massie, representing Northrup, King & Co., Minneapolis, Minn.

CHICAGO.—Price on the Board of Trade, March 13, for grass seed were noted as follows: Timothy, \$10 to \$14 per 100 pounds.—Snow early in the week gave counter trade another setback.

SAN FRANCISCO, CALIF.—Fred H. Hunter is now a member of the firm of Dunbar, Hansen & Hunter, 322 Drumm street, whose specialty is garden peas. Mr. Hunter, we are pleased to note, has completely recovered from his recent illness.

ROCKY FORD, COLO.—The J. C. Robinson Seed Co. of Waterloo, Neb., have taken over the wholesale business and stock of the Rocky Ford Seed Growers' Association. They will erect office buildings and a large fire proof warehouse equipped with modern machinery for the transaction of business on a large scale.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Mention the American Florist when writing

More Free Seed.

Washington, D. C., March 7.—Presentments of free seeds to constituents by congressmen at the expense of the government are to be continued. The house in one of the most turbulent sessions of weeks today refused to cut the \$268,000 item for this gratuity out of the agricultural department bill. The last effort to kill it was an amendment from Representative Jackson of Kansas to have the distribution done by the department instead of by congressmen.

Rain Cheers California Growers.

Los Angeles, March 6.—We have had good rains during the past three days, with prospects of more to come. This has made the outlook for seed crops a little better, but we fear it has come a little too late to assure an average crop of sweet peas, unless we have a favorable summer with frequent showers in April and the early part of May. The rain has benefited the other flower seed crops as well as tomatoes and we are more certain of getting a good stand than on the land planted after irrigation. We have been running our irrigating plant for the past two months, but would have been unable to irrigate the entire acreage in time for crops to be growing in good season. The recent rains have also encouraged bean growing and will enable growers to plant their general acreage and not be compelled to rely on the comparatively small area under irrigation.—B.

San Diego, March 1.—After more than a month of dry weather the drouth was broken this morning by heavy rain. At 9 o'clock about an inch was recorded at the local station of the United States Weather Bureau. Last month was the only February in 63 years in which no rain fell in San Diego. More rain is forecasted for today. The ranges are brown, milk has gone up and cattle are being shipped to Imperial Valley for green feed.

Government Bulb Farms.

The importation of hyacinth, tulip, narcissus and crocus bulbs from Holland and European countries has constantly increased and this year amounted to more than a million dollars. In 1908, the Secretary of Agriculture leased a tract of 10 acres on Puget Sound near Bellingham, Wash., and the necessary buildings were erected to demonstrate whether or not the bulbs could be grown successfully. That year 170,000 bulbs were planted

and the work has been continued until this year when \$69,000 bulbs were planted. The increase is very gratifying, yielding the maximum number of young bulbs which were equal, if not superior, to those grown in Holland. A very interesting experiment was tried by the department at Washington, where 50 bulbs of like varieties were planted side by side with Holland-grown bulbs. Those from Bellingham bloomed from seven to ten days earlier, were of better quality in size of flower and in color, and were remarkable for the total absence of disease, while the imported bulbs showed a large number diseased and many failed to produce a flower.

It is believed that bulbs can be grown on the Pacific coast that will compare and in many ways surpass the imported article. The chief obstacles are the cost of production and marketing, but an effort is being made to overcome the difference in the cost of labor by the invention of appliances and the use of horses to replace the operations performed by hand in Europe. The expense of freight shipments across the country are a serious drawback, but upon the completion of the Panama canal it should be possible to deliver bulbs at New York as cheaply as they can be brought from Europe. The demand for bulbs on the Pacific coast is rapidly increasing.

The experiments are solely for the purpose of showing what can be done in growing bulbs in the United States. The gardens are always open and thousands avail themselves of the opportunity to visit them and enjoy the flowers. Careful records are kept and valuable information collected which will be at the disposal of anyone wishing to take up bulb growing. The demand for bulbs is increasing rapidly and bulb growing offers a promising field for the investment of American capital and the establishment of a new and profitable industry on the Pacific coast, which will keep at home a large amount of money now sent annually abroad.

NEW YORK.—The Bedford Flower Co. has been incorporated with \$9,000 capital to carry on a general florist business. The incorporators are Jonathan Nash, Russell L. Tarbox and Henry Hentz, Jr.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Mention the American Florist when writing

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.



Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.



Green Prolific.

grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties: Cucumber, Melon and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

FREMONT. . . . NEBRASKA

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

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ORANGE, CONN. NEW YORK CITY.

Seed Growers and Importers.

Specialties: Beet, Carrot, Sweet Corn, Peas, Beans, Onion Sets and Seed Potatoes. Catalogue free. Quick freight shipments from New York, via rail or steamer to all parts of the U. S.

CHOICE

German Flower Seeds

Catalogue free on application.

FREDERICK ROEMER,

Seed Grower, QUEDLINBURG, GERMANY

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

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PEDRICKTOWN, N. J.

Mention the American Florist when writing

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

A GOOD INVESTMENT.

Grow Cold Storage Lilies

For price and good quality write

C. C. POLLWORTH CO.,

Milwaukee

VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries
and Export Trade.

HILLEGOM, HOLLAND,

Wholesale growers of the leading sorts of Hyacinths, Tulips, Narcissus, Crocus, Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, Mr. G. HYLKEMA, care of Messrs. Maltus & Ware, 14 Stone St., New York, for Catalogue and Special prices of all

HOLLAND BULBS AND PLANTS.

TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples of

THE SEED TRADE REPORTING BUREAU

Postal Telegraph Building, CHICAGO.
Mention the American Florist when writing

Asparagus Plumosus Plants

2½ in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA.
Mention the American Florist when writing

THE

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.
Mention the American Florist when writing

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

FOR

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England.

Onion Sets

FANCY RECLEANED HAND PICKED

Fancy Recleaned Yellow Sets, \$2.00 per bu.

Extra Fancy, sieved through ¾-inch mesh, \$2.25 per bu.

Fancy Recleaned Silver Skin, \$2.00 per bu.

Extra Fancy, sieved through ¾-inch mesh, \$2.25 per bu.

We reclean and hand pick all Sets before shipping. A trial order will convince you of the superior quality of our Sets.

J. Bolgiano & Son

Almost 100 Years' Established Trade Wholesale Seedsmen,

BALTIMORE, MD.

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Wanted

"BERMUDA" ONION SEED of 1911 crop: WHITE or CRYSTAL WAX.

Address "SOUTH," care American Florist.

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THE C. HERBERT COY SEED CO.
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Contract Growers of High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn.

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The Everett B. Clark Seed Co.

Growers for the Trade

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Branches: Michigan and Wisconsin. MILFORD, CONN.

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FOR FLORISTS

Now Ready.

Ask for copy.

JAMES VICK'S SONS
Rochester, N. Y.

Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

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PHILADELPHIA

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BURNETT BROS.

Importers and Growers of

Seeds, Bulbs, Plants
and Horticultural Sundries.

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72 Cortlandt Street.
Write for our 1912 Spring Catalogue.

John Bodger & Sons Co.

Los Angeles, California.

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

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Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

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For the Wholesale Seed Trade.

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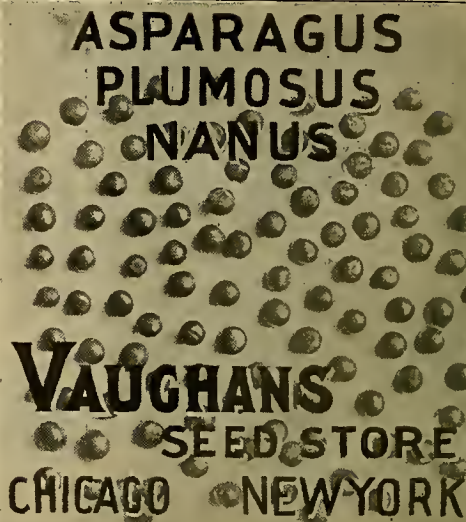
Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown.

of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$3.50; 5000 seeds at \$3.25 per 1000.

Vaughan's Seed Store,
CHICAGO. NEW YORK.



ASPARAGUS PLUMOSUS NANUS

VAUGHAN'S SEED STORE
CHICAGO NEW YORK

Hill's Fresh Tree Seeds

A complete stock of all leading hardy varieties. Well cleaned and carefully tested. Prompt shipments made. Ask for what you want. Lowest offers on application.

D. HILL NURSERY CO., Inc.
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Collectors and Extractors. Import. Export.

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CONTRACT SEED GROWERS,
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Lilies, Summer Flowering Bulbs and Hardy Plants.

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Best Stocks. All Varieties.

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Growers for the Wholesale Trade Only,
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Onion Seed==Onion Sets

We Are Extensive Growers and Dealers.

Write for prices on the 1911 crop. We are also submitting contract figures for the 1912 crop of Onion Seed.

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TUBEROSES Dwarf Pearl.

1st size.....\$1.10 per 100; \$9.50 per 1000

Caladiums

5- 7-inch.....\$2.00 per 100
7- 9-inch..... 3.50 per 100
9-11-inch..... 6.00 per 100

BEGONIAS

Double, separate colors 4.00 per 100; 35.00 per 1000

Gloxinias Separate colors.
\$3.50 per 100; \$30.00 per 1000.

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LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm **Bristol, Pa.**

Mention the American Florist when writing

NEW ASTERS CROP

Queen of the Market, sep. colors, 1/4 oz. 20c; oz. 60c
Crego, white, shell pink, 1/4 oz. 30c; oz. \$1.00
Semple's Giant Branching, sep. colors, 1/4 oz. 15c; oz. 50c
Salvia, verbenas, Stocks and a complete line of Florists' Flower Seeds. Write for catalogue.

WEEBER & DON Seed Merchants and Growers.
114 Chambers Street. NEW YORK, N. Y.
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H. WREDE, LUNEBURG, GERMANY PANSY SEED

173 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed...25c
1 oz. ..\$2.25

Price list on application. Cash with order.

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IF IT IS

Water Melon and Musk Melon Seeds

Get them from

J. FRANK CORRY, ENID, OKLAHOMA.
Contract Grower,

Complete Delivery by Oct. 15, 1912.

ULTIMATELY

you will be delighted to place your orders for Cauliflower, Cabbage, Root and other seeds with **Scandinavia's Premier Seed Grower** Founded 1850.

L. DAHNHNFELD - - ODENSE, DENMARK



Scientific Seed Cultivation of Cauliflower (Earliest Dwarf Erfurt) on one of my farms.

THE NEW CARNATION

BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities.

The New "Helen" Pink

A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit," Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000- 250 at 1000 rate.

Charles Weber
Grower, LYNBROOK, Long Island, NEW YORK

R. G. WILSON
Fulton St. and Greene Ave., BROOKLYN, N. Y.

CHAS. H. TOTTY
Madison, N. J.

Rooted Carnation Cuttings

One of the best, if not the best, growers in this vicinity still has several thousand extra choice White, Light Pink and Enchantress Carnation Cuttings yet to offer.

For further particulars call on or address

PERCY JONES
56 E. Randolph St., CHICAGO

Carnation Novelties

We can still quote March delivery on "Wodenethe" and "Brooklyn," at \$12.00 per 100; \$100.00 per 1000. Delivery on "Wodenethe" March 20th.

It will pay you to come and see these two varieties growing.

Still booking orders for

"SUNBURST,"

The Grand New Yellow Rose.

\$30.00 per 100; \$250.00 per 1000, own root. Grafted plants, 5c extra.

By the way, our catalogue was mailed you. Did you receive it? If not, we will only be delighted to send you another.

CHAS. H. TOTTY, Madison, N. J.

CARNATIONS

Rooted Cuttings

Rosette—The bright, large-flowered dark pink carnation. Only a few thousand left for early March delivery.

\$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

For February delivery we can supply now:

	Per 100	Per 1000
Scarlet Glow.....	\$3.00	\$25.00
White Perfection.....	3.00	25.00
Bonfire.....	6.00	50.00
Rose Pink Enchantress.....	3.00	25.00

Quality Cuttings

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

LUPINES (Annual), White, Pink, Blue and Yellow. These are the best strain of cut flower sorts. Plant now for quick results. Good plants, \$1.00 per 100; \$9.00 per 1000.

Smilax, strong, 2-in. \$1.50 per 100
Double Fringed Petunias, Rooted Cuttings, mixed..... \$1.00 per 100; \$9.00 per 1000
Parsley, Double Curled..... 1.25 per 1000
Pansies (Rawlings' Strain)..... 2.50 per 1000

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

Alternantheras.....

Strong, well rooted cuttings, the kind that will please you.

F. Major, red..... 50c per 100; \$4.00 per 1000
A. Nana, yellow..... 50c per 100; 4.00 per 1000
Brilliantissima..... 60c per 100; 5.00 per 1000

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Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

Roses.

Ramblers, Hybrid Teas, Hybrid Perpetuals, Dwarf Polyanthas, Standards and Half Standards.

Rhododendrons.

18-24 inches, well budded, named varieties, forcing stock, as well as kinds for outdoors, \$40.00 per 100.

Lily of the Valley. Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.

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Jackson & Perkins Company,

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CANNAS

Guaranteed true to name. Two to three strong eyes.

	Per 100	Per 1000
4000 Chas. Henderson.....	\$1.75	\$15.00
1000 Capt. Drugeon, best yellow....		15.00
1000 Duke of Marlborough.....		18.00
1000 Egandale.....	2.00	18.00
400 Alsace.....	1.50	
500 Louisiana.....	2.00	
250 Buttercup.....	2.00	
300 Mephisto, the most beautiful dark crimson Canna.....	4.00	
300 Florence Vaughan.....	2.00	
200 New York.....	3.00	
200 Pennsylvania.....	1.50	
250 Richard Wallace.....	2.50	
100 Grand Chancellor Bulow.....	2.50	
200 Mme. Berat (Pink).....	1.50	

W. W. Coles, Kokomo, Ind.

IF YOU SAW IT IN THE
THE FLORIST
SAY SO IN YOUR NEXT ORDER.

ROOTED CUTTINGS

Prepare NOW for Spring. NOW is the time to buy the cuttings. They are good now. If you wait until late Spring you cannot get as good. Our cuttings now are grand, and will make the price as follows for a few weeks: VERBENAS, 60c per 100; \$5.00 per 1000. SALVIAS, 80c per 100; \$7.00 per 1000. COLEUS, 70c per 100; \$6.00 per 1000. GIANT DEL. ALYSSUM, 80c per 100. AGERATUMS, 60c per 100; \$5.00 per 1000. PETUNIAS, \$1.25 per 100; \$10.00 per 1000. PELARGONIUMS, \$2.50 per 100; \$22.00 per 1000. HELIOTROPE, 80c per 100; \$7.00 per 1000. DAISIES, \$1.00 per 100; \$8.00 per 1000. FEVERFEW, true little gem, (no dog fennel) \$1.00 per 100; \$9.00 per 1000. Express paid. Cash with order.

S. D. BRANT, Clay Center, Kansas

Ferns.

4-inch heavy stock, \$12.00 per 100. Boston, Barrowsi and Elegantissima; also 2 1/4-inch Boston, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio

Boddingtons Quality Cannas.

Are true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick. The Canna crop this year, however, is very short, and we advise placing orders early to secure stock. Delivery can be made at purchaser's option.

Red-flowering, Green Foliage Cannas

	Per 100	Per 1,000
A. Bouvier, 5 ft.....	1.75	15.00
Alice Roosevelt, 4 ft.....	3.75	35.00
Black Prince, 3 to 4 ft.....	2.75	25.00
Charles Henderson, 4 ft.....	2.00	17.50
Duke of Marlboro, 4½ ft.....	2.00	17.50
Explorateur Crampbell, 5½ ft....	2.00	17.50
President Cleveland, 3 ft.....	2.25	20.00
President McKinley, 2½ to 3 ft....	2.25	17.50
President Meyer, 4 ft.....	3.50	30.00

Pink-flowering Cannas

	Per 100	Per 1,000
L. Patry, 4½ ft.....	\$2.25	\$17.50
Louise, 5 ft.....	2.25	17.50
Mlle. Berat, 4½ ft.....	1.75	15.00
Venus, 3½ ft.....	4.25	40.00

White and Cream Shades

	Per 100	Per 1,000
Alsace, 3½ ft.....	\$1.75	\$15.00

Orchid-flowering Cannas

	Per 100	Per 1,000
Allemannia, 4 to 5 ft.....	\$1.75	\$15.00
Austria, 5 ft.....	1.75	15.00
Indiana, 3 to 4 ft.....	2.00	17.50
Italia, 4½ ft.....	1.75	15.00
Philadelphia, 5 ft.....	2.75	25.00

Orange Shades

	Per 100	Per 1,000
Wyoming, 7 ft.....	\$2.25	\$20.00
Pennsylvania, 5 ft.....	1.75	15.00

Red, Gold-edged; Spotted and Yellow Cannas

	Per 100	Per 1,000
Duke of York, 4 to 5 ft.....	\$5.50	
Evolution	2.75	\$25.00
Gladiator, 4 ft.....	2.75	25.00
Golden King, 5 ft.....	2.75	25.00
Jean Tissot, 5 ft.....	2.25	20.00
Niagara, 3 ft.....	2.75	25.00
Mad. Crozy, 5½ ft.....	2.75	25.00
Queen Charlotte, 3½ ft.....	3.75	35.00
Premier, 2½ ft.....	3.75	35.00
Souv. de A. Crozy, 4 ft.....	2.75	25.00

Yellow Shades

	Per 100	Per 1,000
Florence Vaughan, 5 ft.....	2.25	20.00
Richard Wallace, 4½ ft.....	2.75	25.00

Bronze-leaved, Red-flowering Cannas

	Per 100	Per 1,000
King Humbert, 4 ft.....	4.00	
Leonard Vaughan, 4½ ft.....	2.75	25.00
Musafolia, 3 to 5 ft.....	2.25	20.00
Robusta, 6 to 8 ft.....	2.00	17.50
Shenandoah, 6 ft.....	2.00	17.50

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business.

Our Cannas are true to name—two and three, sometimes four eyes—are sound, dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at a thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Write for special prices for quantities.

If any Cannas are not found here, it may be understood that they are superseded by the foregoing. If selection is left to us, we will substitute or send only the best for all purposes.

All the Above Cannas Sold F. O. B. New York or Chicago.

Chicago and Western Agents for Our Cannas, ONLY:

WINTERSON'S SEED STORE, 166 North Wabash Ave., Chicago.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street, NEW YORK CITY.

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Koetnik, Cleveland, O., Treasurer.

THE average value of potatoes on February 1, based upon prices received by farmers, according to the Crop Reporter, issued by the United States Department of Agriculture, is 94.4 cents per bushel. The valuation for the same date in 1911 being 55.1 cents, and in 1910, 56.2 cents.

Prices of Indoor Fruits and Vegetables.

Chicago, March 11.—Mushrooms, 15 cents to 35 cents per pound; radishes, 20 cents to 50 cents per dozen bunches; rhubarb, 40 cents to 45 cents per bunch; lettuce, 20 cents to 22½ cents, small cases; cucumbers, \$1.15 to \$1.50 per dozen; asparagus, \$1.75 to \$3 per dozen bunches.

New York, March 9.—Mushrooms, 75 cents to \$2 per 4-pound basket; cucumbers, \$1.50 to \$2 per dozen; tomatoes, 15 cents to 40 cents per pound; radishes, \$1.50 to \$3 per 100 bunches; lettuce, 75 cents to \$1.25 per strap; rhubarb, 40 cents to 60 cents per bundle and 60 cents to 90 cents per dozen bunches; mint, 35 cents to 50 cents per dozen bunches.

Mint Raising in Michigan.

It may not be known to many that more than one-half of all the oil of peppermint, spearmint, tansy, wormwood, etc., of the entire world is produced and distilled within a few score miles of Chicago, in southwestern Michigan. The headquarters of the business are in St. Joseph, Van Buren and Allegan counties. An idea of the magnitude of the industry may be gained when it is known that over 40,000 tons of dried peppermint plants are carefully cultivated annually in this region. From these the volatile or essential oil is distilled. Each year about 14,000 acres are utilized for producing the plants for peppermint alone, besides the other oils mentioned.

In early spring the roots beneath the surface of the ground and creeping tendrils, or "runners," above the ground, which have multiplied from the planting of the previous year, are planted in furrows from two to three feet apart. The roots are carried in large sacks on the shoulders of the workmen, who string them along the center of the furrow, covering them with their feet at the same time. A good workman will plant from half an acre to an acre and a half, according to the condition of the soil, the distance between rows, and his ability, in a day.

About two weeks after planting shoots begin to appear above the ground. A little later the work of cultivation begins and is continued until the plants have grown so that the rows meet each other and cover the ground. The plants when in bloom are moved down and allowed to dry in the sun until nearly as dry as hay. They are then raked in piles and

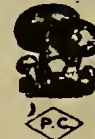
drawn to the distillery, which consists in its ordinary form of two large wooden vats connected with a steam boiler. The steam in passing through the plants causes the little cells in the leaves and blossoms containing the oil to burst and the fine particles of oil thus set free are carried off with the current of steam. After passing through a worm immersed in cold water, the condensed products flow into an open vessel, the oil rising at the surface, from which it is dipped into cans.

There are several hundred mint distilleries in this region, where the crude or "natural" oil of peppermint is produced by this simple process; the distilleries costing but a few hundred dollars each. In this form the oil is usually sent to market. It requires from 200 to 250 pounds of dried peppermint plants to produce one pound of oil, so that when the flavoring power of a single leaf or blossom is remembered it will be understood why the pure essential oil is so powerful. The yield per acre varies widely, owing to the soil, season and cultivation, ranging all the way from twenty to sixty pounds, and in some instances slightly exceeding the latter figure. The price has also varied widely, ranging during the last few years from \$1.25 to \$5 per pound in the producing districts for the crude oil, the average having been about \$2.

The peppermint industry was first started in England about 150 years ago at Mitcham, but as late as 1805 no stills were built for distilling the oil, and the herb was marketed in London. About 100 acres only were cultivated up to that time, but in 1850 about 500 acres were under cultivation and a number of stills had been erected. Early in the present century the industry was started in Wayne county, New York, and in St. Joseph county, Michigan, and in 1864 the American industry had grown to such proportions that over four-fifths of the entire production of the world was distilled here, while in England it had decreased to 219 acres. Now over nine-tenths of the world's production

is distilled in America, about two-thirds of which is grown and distilled in this region.

MT. HOLLY, N. J.—The Central Greenhouses, T. N. Frasier, proprietor, have let the contract to erect a greenhouse 20x50 feet.



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

Pure Culture Mushroom Spawn

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

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

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

Easter Stock

Patrons are placing orders rapidly.
PLACE YOURS AT ONCE.

We will reserve stock as orders are received and ship when you direct.

Stock still unsold as follows:

2500 Lilles,
250 Azaleas,
900 Hydrangeas,
6, 7 and 8 in., fine.
450 Spireas, 6-in.
1000 Baby Ramblers,
4 and 6 in.

Multitudes of Bulb Stock,
and other Easter Stock.

Ask for Soft Wooded List, Canna, Chrysanthemum, Carnation, Geranium, Rose and Fern Lists.

Please name express company.

GEO. A. KUHL,
Wholesale Grower, Pekin, Ill.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the
Subject.

170 Pages. 29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.
440 S. Dearborn St., CHICAGO.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Glorinas, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabiosa, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per ea., or \$1.50 per ¼ ea., 76c per 1-16 ea., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGE SEEDS ON CONTRACT.



Tuberose

True Dwarf Pearl Per 1000

First Size, 4-6-in.....\$ 9.00
 Medium, 3-4-in..... 5.00

GLADIOLUS

Mrs. Francis King, Medium..... 17.00
 Augusta, Medium..... 16.00
 America, Medium..... 27.50
 Kunderdi "Glory"..... Per 100, \$7.50 70.00
 Florist XXX, Mixed..... 15.00

CALADIUMS

(ESCULENTUM)

5- 7-inch.....\$15.00
 7- 9-inch..... 30.00
 9-11-inch..... 55.00

COLD STORAGE STOCK

Valley Pips

Per 1000
 London Market.....\$15.00
 Premium Brand..... 13.00

Lilium Album Per 1000
 8 to 9.....\$95.00

Lilium Rubrum
 9 to 11..... 80 00

Lilium Auratum Per 1000
 8 to 9.....\$50.00
 9 to 11..... 80.00

Lilium Giganteum
 250 or 300 in a case, 7 to 9..... 65.00

CHICAGO

Vaughan's Seed Store, NEW YORK

CARNATION CUTTINGS

FOR IMMEDIATE DELIVERY.
 STRONG, HEALTHY STOCK.

	Per 100	Per 1000
Washington	\$6.00	\$50.00
Bright Spot	6.00	50.00
Mrs. C. W. Ward.....	4.00	30.00
Sangamo	3.00	25.00
Dorothy Gordon.....	3.00	25.00
White Enchantress.....	3.00	25.00
Enchantress.....	3.00	25.00
White Perfection.....	3.00	25.00
May Day.....	3.00	25.00
Beacon	3.00	25.00
Scarlet Glow.....	3.00	25.00

A. C. BROWN, Springfield, Ill.

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.

	Per 100	Per 1000
Pink and White		
Killarney, 2½-in.....	\$12 00	\$120 00
Richmond, 2½-in.....	12 00	120 00
Sunburst, 2½ in.....	35 00	
Maryland, 2½-in.....	12 00	120 00
Mrs. Aaron Ward, 2½-in.	14 00	120 00
Melody, 2½-in.....	14 00	120 00
Mrs. Taft or Prince de		
Bulgarie, 2½-in.....	14 00	120 00
Radiance.....	14 00	120 00
Lady Hillingdon, 2½-in.	15 0	

OWN ROOT.

	Per 100	1000
Pink and White		
Killarney, 2½-in.....	\$6 50	\$60 00
Maryland, 2½-in.....	6 50	60 00
Richmond, 2½-in.....	6 00	50 00
Antoine Rivoire, Mrs.		
Taft, or Prince de Bul-		
garie, 2½-in.....	8 00	70 00
Radiance, 2½-in.....	8 00	
Melody, 2½-in.....	8 00	70 00
Mrs. Aaron Ward, 2½-in.	8 00	70 00
Dbl Pink Killarney, 2½-in.	8 00	70 00

Good, Big Clumps of Croweanum, \$10.00 per 100.

Orders are now booked for April, May, June and July delivery.
 All goods are sold for cash or 30 days on approved credit.

BUDDING KNIFE FREE. See Page 434.

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

W. VAN KLEEF & SONS, Boskoop, Hol-
 land, announce that they have made a
 change in their representative in
 America and the coming season K. van
 Kleef will visit the trade in their in-
 terest.

CHICAGO.—Leesley Bros., the nursery-
 men here, report that in their efforts
 to remove, at this time, some large
 trees, they found the ground frozen
 five feet deep.

Shrub for Planting Under Trees.

Almost the only shrubby member of
 the order to which the Sarcococca be-
 longs (Euphorbiaceae) is the box,
 which is well known to succeed fairly
 well beneath the shade of trees. In
 this respect it is, however, surpassed
 by its relative—Sarcococca ruscifolia
 —a comparatively new introduction
 from Western China, which was given
 an award of merit by the Royal Horti-
 cultural Society on December 22,
 1908, and distributed last year by
 J. Veitch & Son. In their Coombe Wood
 Nursery, writes a correspondent in
 The Garden, its merits for furnishing
 a bank under trees has, during the
 past summer, been well tested, and it
 has behaved sufficiently well to show
 that in this sarcococca (what a
 name!) we have a valuable plant for
 this purpose. It forms a dense bush
 two feet or so in height, the branches
 being closed with leaves not unlike
 those of the Butcher's Broom, but
 larger, while they are of a deep, bright,
 shining green color. The white flow-
 ers are not at all showy, but pleas-
 antly fragrant. Although of such re-
 cent introduction, this sarcococca is so
 moderate in price that its merits can
 be tested by anyone. A very small
 member of the same genus—S. humile
 —which is being distributed this au-
 tumn, is equally valuable for the same
 purpose, but the greater stature of S.
 ruscifolia will, no doubt, commend it
 to many.

Pedigreed Nursery Stock.

In a paper read before the New York
 State Fruit Growers, U. P. Hedrick,
 horticulturist at the New York Agri-
 culturist Experiment Station, states
 that an attempt is being made to at-
 tach importance, as in the case of
 men, animals and seeds, to the pedi-
 gree of trees propagated from buds,
 scions, cuttings and off-shoots of
 plants. This has resulted in the ad-
 vertising of pedigreed stock guaran-
 teed to produce large crops or prize-
 winning products. If varieties of
 fruits can be improved by selection in
 propagation, the sooner the present
 practices in nurseries are changed the
 better; if not, such selection is worth-
 less and it is unjust to taboo nursery-
 men who cannot give the ancestry of
 their stock.

There are two kinds of variations;
 one, where wholly new characters ap-
 pear in plants by sudden leaps, and
 are transmitted from parent to off-

spring, which has been most clearly
 described by De Vries and has been
 named mutation; the other, much
 more common, is due to the effect of
 environment and is a question of
 "nurture" and not "nature." For ex-
 ample a Baldwin tree taken from New
 York to Virginia, Missouri or to Ore-
 gon will produce a different apple in
 each district, but if brought back to
 New York will again produce New
 York Baldwins. Several years study-
 ing the histories of varieties of fruits
 has resulted in the belief that there is
 nothing to gain in the selection of
 buds, scions or cuttings in propaga-
 tion and that a fruit grower can-
 spend his time to better advantage
 than in attempting to breed fruit trees
 by bud selection.

The practical difficulties in growing
 trees from selected buds are almost
 insuperable. The following are a few
 of them:

(1) A bearing tree surpassingly
 good in one quality may be deficient
 in others. A tree bearing large apples
 might be unproductive, subject to
 fungi or insects, lacking in vigor or
 hardiness, or short-lived. Selecting for
 one quality will not do.

(2) The selected buds must be
 worked on roots that are variable. To
 have "pedigreed" trees it is necessary
 to have "pedigreed" roots as well as
 "pedigreed" tops.

(3) The cost of trees would be
 vastly increased if nurserymen were
 required to bud from or to go back
 every few generations to bearing trees.
 Opportunities for dishonest practices
 would be greatly multiplied.

(4) It is the experience of those who
 have taken buds from bearing trees
 that the resulting plants lack vigor
 and remain weaklings for several
 years.

(5) If pedigreed trees became the
 vogue, tree-growing must become a
 petty business. Climate and environ-
 ment would permit of propagating
 only a half-dozen varieties of any
 fruit, for not more than this number
 is adapted to one geographical region
 so as to give good mother trees.

(6) Fruit trees are not sufficiently
 well fixed in their character to make
 selections from single "best" trees
 worth while, even should their char-
 acter be transmissible.

(7) Heritable variations can be told
 only by growing the parts bearing
 them—by studying the offspring, not
 the ancestor; by looking forward, not
 backward. This is impossible in the
 nursery.

MUNITH, MICH.—Trade is reported
 as very good by George H. Brininstool,
 with demand for all that is grown.
 The winter was extremely dark and
 cold, but as the sun grows higher the
 stock improves.

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
 Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL,
 New York.

Mention the American Florist when writing

Robert Craig Co...

HIGH
 CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

LARGE TREES

OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.



Moon's

A nursery with an enormous
 collection of thrifty Ornamental
 Trees & Shrubbery for landscape
 plantings. Catalogue upon request

The Wm. H. Moon Co.,
 MORRISVILLE, PA.

California Privet

Fine stock of well grown, well rooted and well
 graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched.....	\$1.00	\$7.00
15 to 20 in., 3 or more branches.....	1.50	10.00
20 to 30 in., 4 or more branches.....	2.00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25.00
3 to 4 ft., extra heavy, 8 or more branches.....	4.00	30.00

Write for special prices on carload
 and large orders.

CHAS. BLACK, Hightstown, N. J.

**Seedling
 Evergreens**

We Are Largest Producers
 in America. All Leading
 Kinds; Choice Stock.
 Wholesale catalog and
 Price List on Request.

D. HILL NURSERY CO., Inc.
 Box 404, Dundee, Illinois.

B. & A. SPECIALTIES

**Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens,
 Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots,
 Conifers, Pines**

Florists are always welcome visitors to our nurseries. WE are only
 a few minutes from New York City; Carlton Hill station is the second stop
 on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Leaders in Both Quality of Stock and in Varieties.

Our rose stock for greenhouse growing is considered the finest quality which can be produced and there are thousands of customers from California to Maine who will testify to the truth of the assertion,

DOUBLE WHITE KILLARNEY (Budlong) and KILLARNEY QUEEN are our introductions of 1912

Grafted plants..\$30.00 per 100; \$250.00 per 1000
Own root..... 25.00 per 100; 200.00 per 1000

Sunburst, of our own growing, which means quality in the young stock, at the introducer's prices.

Lady Hillingdon, The yellow rose, noted for its wonderful color and freedom of growth.

Grafted plants..\$25.00 per 100; \$200.00 per 1000
Own root.....20.00 per 100; 150.00 per 1000

Mrs. Aaron Ward, Grafted plants, \$20.00 per 100; \$150 per 1000. Own root plants, \$10.00 per 100; \$90.00 per 1000.

Melody, Own root plants,.....\$12.00 per 100
.....\$100.00 per 1000

STANDARD COMMERCIAL VARIETIES.

Killarney, White Killarney, Richmond, Mrs. Taft, (Rivoire) My Maryland, Radiance, Grafted plants, \$15.00 per 100; \$120.00 per 1000.

250 of a variety at the 1000 rate.
Special prices quoted on 5000 or more.

Commercial Chrysanthemums

Chadwick Supreme, Roman Gold, and Smith's Advance in quantity. All the choice commercial varieties.

Bedding Stock in Quantity

Coleus, Salvia, Heliotrope,

Place your orders now and be certain of your stock. We guarantee satisfaction to our customers. Satisfactory references or cash required from unknown parties.

A. N. PIERSON, Inc., Cromwell, Conn.

California Privet.

	Per 1000
6 to 12 inches	\$ 4.00
12 to 18 inches.....	6.00
18 to 24 inches.....	8.00
2 to 3 feet	10.00
3 to 4 feet	15.00

OAK LAWN NURSERY

Huntsville, Alabama

Roses Originated by Jackson Dawson

Write for pamphlet, including prices.

EASTERN NURSERIES,
1090 Centre St., JAMAICA PLAIN, MASS.
H. S. DAWSON, Manager.

Phoenix Canariensis balled, by the carload, 2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, ft. at 25c, 30c, 40c, 55c, 75c, 95c. \$1.20, \$1.45, \$1.75 and \$2.00 each.

Areca Lapida potted, 2½, 3, 3½, 4, 4½, 5, 5½, 6 ft. at \$1.00, \$1.30, \$1.60, \$1.90, \$2.20, \$2.50, \$2.80 and \$3.10. On small orders, 25% extra, packing included.

THE KENTIA NURSERIES,
Gillespie St. & Fisher Ave., Santa Barbara, Cal.

PRIMULAS, Obconica and Chinese, in bloom, \$5.00 per 100; 2½-in., ready for 4 in. pots, \$1.50 per 100, \$12.50 per 1000. SPRENGERI, fine 2½ in., \$1.50 per 100, \$12.50 per 1000. CINERARIAS, Dwarf Prize; SNAPDRAGONS; BOUBLE ALYSSUM; HELIOTROPE: fine 2½ in., \$2.00 per 100, 300 for \$5.00. FERNS, Whitmani, 4-in., \$10.00 per 100. HARDY IVY, 3 to 4 ft., 4-in., fine, \$3.00 per 100. VINCA, Variegated, 4-in., \$7.00 per 100.

J. C. SCHMIDT, Otter and Maple Sts., BRISTOL PA.



New Hardy Golden Vinca.

Vinca Minor Aurea.

Golden variegated Myrtle or Periwinkle.

This is not a creamy yellow like V. Variegata but a rich deep golden yellow, grand for shrubbery borders, banks, window boxes, vases and especially for cemetery work.

Awarded Certificate of Merit by the New York Hort. Society; Paterson (N. J.) Horticultural Society and Elberon (N. J.) Horticultural Society.

Price, 3 in. pot plants, \$2.00 per doz.; \$15.00 per 100. Delivery in April.

WM. TRICKER, Arlington, N. J.

Water Lilies and Hardy Plants a Specialty

Rooted Cuttings

Carnations and Chrysanthemums

of the New and Leading Market Varieties

Rooted Cuttings

and Pot Plants, Fine Strains of Snapdragon

Send for Price List

Wm. Swayne P. O. Box 85
KENNETTSQUARE, PA

SEASONABLE STOCK YOU SURELY WILL WANT

Ampelopsis Veitchii, 1 and 2 year old No. 1, \$4.00 and \$3.00 per 100; fine field grown stock with long live vines. **Clematis Paniculata XX** 2 year field grown vines, \$7.00 per 100; 3 year vines, very heavy, \$3.00 per 100. 200,000 Privet, all sizes. Shrubs, Vines, Bulbs, etc. low; get my list, it will pay.

BENJ. CONNELL, Florist, Merchantville, N. J.

ROOTED

Carnation Cuttings

	Per 100	1000
Washington.....	\$4.00	\$35.00
Mrs. C. W. Ward.....	3.00	25.00
Beacon.....	3.00	25.00
White Enchantress	3.00	25.00
May Day.....	2.50	20.00
Sangamo.....	2.50	20.00

250 at 1000 rate. Satisfaction guaranteed.

Will exchange any of the above for 2½ inch **Asparagus Plumosus.**

DES PLAINES FLORAL CO., Des Plaines, Ill.

Mention the American Florist when writing

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000		Per 100	Per 1000
Gloriosa.....	\$6 00	\$50 00	Enchantress.....	\$3 00	\$25 00
Dorothy Gordon.....	4 00	35 00	Beacon.....	3 00	25 00
White Perfection.....	3 50	30 00	Rose Pink Enchantress.....	2 50	20 00
White Enchantress.....	3 00	25 00	Winsor.....	2 50	20 00

J. D. THOMPSON CARNATION CO.,

Carnation Specialists,

JOLIET, ILL.

Carnations

Every One a Plant. Every One Will Grow.

From pots, shipped either with or without soil, which is very loose and can be shaken out. Alma Ward, White Perfection, White Enchantress, Dorothy Gordon, Winona, Enchantress, Beacon and Victory at \$2.50 per 100; \$25.00 per 1000. Mrs. C. W. Ward at \$3.50 per 100. Washington and White Wonder at \$5.00 per 100.

GERANIUMS

April Delivery.

S. A. Nutt.....per 1000, \$11.50
Ricard and Poitevine.....per 1000, 14.00

COLEUS

Golden Bedder, Verschaffeltii and the standard assorted, at \$6.00 per 1000.
Giant Leaved at \$2.50 per 100.

Asparagus Plumosus

Extra fine stock at \$2.50 per 100; \$25.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Grafted Rose Plants

Choice stock from flowering wood, ready for delivery April 1st.

Well hardened and in good condition to bench or repot.

Mrs. Aaron Wardper 100, \$12.00 White Killarney.....per 100, 12.00
Pink Killarney.....per 100, 12.00 Rhea Reid.....per 100, 12.00
Prince de Bulgarie, ready May 1st.....per 100, \$12.00

Our stock is all grafted on selected English Manetti.

BASSETT & WASHBURN,

Office and Store: Greenhouses:
131 N. Wabash Ave., CHICAGO. HINSDALE, ILL.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.

Boston Ferns, 5-in., 25c each.

Whitmani Ferns, 4-in., 25c.

Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., \$2.50 per 100.

Asparagus Plumosus, 2-in., \$3.00 per 100.

Cash with order.

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

Boston Ferns...

2½-in., \$3.00 per 100; \$30.00 per 1000.

WHITMANI

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J.

Rooted Carnation Cuttings

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000		Per 100	Per 1000
Beacon.....	\$2 50	\$20 00	R. P. Enchantress.....	2 00	17 50
White Enchantress.....	2 50	20 00	Enchantress.....	\$2 00	\$17 50

PERLE ROSE PLANTS

2½ inch, \$4.00 per 100; \$30.00 per 1000.

PETER REINBERG,

30 East Randolph St., CHICAGO

Mention the American Florist when writing

DAHLIAS

The best New and Standard varieties.
Send for Wholesale Price List.

BASSETT & WELLER

HAMMONTON, N. J.

Shamrocks

True Irish, strong plants, from 1¾-inch pots, \$5.00 per 100, \$45.00 per 1000; 1-inch pots with saucers, \$5.00 per 100, \$45.00 per 1000.

Ferns for Dishes, 2¼-in., \$3.50 per 100; 30.00 per 1000
Asparagus Plumosus, 2¼-inch, \$3.50 per 100; \$30.00 per 1000. 3-in., \$6.00 per 100.
500 at 1000 rate. Cash with order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

EASTER PLANTS

Unusually Fine Stock.
Order Early.

- Easter Lilies, in bud for Easter, 6-in., 12c per bud.
- Baby Ramblers, in bud for Easter, 5-in., \$4.00 to \$5.00 per dozen.
- Hydrangea Otaksa, in bud for Easter, 7-in., 75c each.
- Rhododendrons, 75c, \$1, and \$1.25 each.
- Lilac, Marie Legraye, \$1 each.



Wittbold's Quality Stock
Is Best. Order Early.

- Azaleas, Empress of India, 75c, \$1 and \$1.50 each.
- Mme. Van der Cruyssen, 75c, \$1 and \$1.50 each.
- Kalmia Latifolia, \$1 each.
- Spiraeas, Gladstone, in bud, \$3.00 per dozen.
- Queen Alexandra, \$4.00 per dozen.
- Japan Maples, \$1.00 each.

BEDDING PLANTS.

- Achyranthes—rooted cuttings. Per 1,000 \$6.00
- P. de Bailey \$6.00
- Metallica 8.00
- Lindenii 8.00
- Warszewiczii 6.00
- ACHYRANTHES—2-Inch. Per 100 \$2.50
- P. de Bailey 2.00
- Metallica 2.00
- Lindenii 2.00
- Warszewiczii 2.00
- AGERATUM, Stella Gurney—2-Inch—2.00
- Rooted cuttings, \$6.00 per 1000
- Princess Pauline—2-Inch 2.00
- Rooted cuttings, \$6.00 per 1000
- Per 100
- Cyclamen, seedings, best varieties \$2.50
- Cyclamen, 2-inch, best varieties... 4.00
- Coleus, 2-inch, Pfister, red and yellow; Beckwith's Gem 2.00
- 1,000
- Cuttings, Pfister, yellow..... \$6.00
- Gnaphalium Lanatum—3-inch..... 5.00
- Gnaphalium Lanatum—2-inch 2.00
- Heliotrope, 3-inch 4.00
- Rooted cuttings..... .00
- Chrysanthemum, Maximum, Perfectum (Improved Shasta Daisy), strong seedings \$5.00
- Grevillea robusta, 2-in..... 3.00
- Ivy, English—
- 3-in..... \$0.75 per doz.
- 4-in..... 1.50 per doz.
- Ivy, German, 2-inch 2.00
- Ivy, German, 3-inch 4.00
- Lantana Delicatissima, 2-inch 2.00
- Lobelia Catherine Mallard, rooted cuttings 6.00
- Lobelia Catherine Mallard, 2-inch 3.00 25.00
- Marguerites, yellow cuttings..... 6.00
- Marguerites, yellow, 2-inch 2.00
- Mrs. F. Sanders, new double white, 2-inch 3.00
- 3-inch 6.00
- Cuttings 15.00
- SALVIA—Rooted Cuttings. Per 1,000 \$6.00
- Bonfire 8.00
- Zurich 8.00
- SALVIA—2-Inch. Par 100 2.00
- Bonfire 2.00
- Zurich 2.00

FERNS.

BOSTONS.				
Size.	Each.	Doz.	100	1,000
2-inch			\$ 3.00	\$25.00
3-inch		\$ 1.00	8.00	
7-inch		\$0.75	9.00	
8-inch		1.00	12.00	
Boston Fern Baskets, each	\$1.00,	\$1.50,	\$2.00	
Asst. Ferns, for Dishes, 2-in.,	\$0.40 doz.;			
	\$3.00 per 100;	\$25.00 per 1,000.		
Each. Doz.				
Cibotium, 7-inch			\$2.50	\$30.00
8-inch			3.00	36.00

Stove and Greenhouse Plants

- Aspidiatra, Variegated 15c per leaf
- Araucarias—
- 6-in., 4-5 tiers... \$1.00 each; \$12.00 per doz.
- 7-in., 4-5 tiers... 1.50 each; 18.00 per doz.
- Asparagus Baskets, \$1.00, \$1.50 and \$2.00 each.
- Asparagus Plumosus—
- 2-in..... \$0.40 per doz.; \$ 3.00 per 100
- 3-in..... .75 per doz.; 6.00 per 100
- 4-in..... 1.50 per doz.; 12.00 per 100
- Asparagus, S. D.—
- 4-in..... \$1.50 per doz.
- Cyperus—3-in... \$0.75 per doz.; \$ 5.00 per 100
- 4-in..... 1.50 per doz.; 10.00 per 100
- Dracena Indivisa—
- 2-in..... \$3.00 per 100; \$25.00 per 1,000
- 7-in..... \$1.25 each; \$15.00 per doz.
- Dracena Massangeana—6-in..... \$1.25 each
- 7-in..... 1.50 each
- Dracena Terminalis \$0.35 each; \$4.00 per doz.
- Ficus Elastica (Rubbers)—
- 6-in..... \$0.50 each; \$6.00 per doz.
- Pandanus Utilis, 3-in., per doz..... \$1.50
- PANDANUS VEITCHII.
- Each. Doz.
- 4-inch \$0.50 \$ 5.50
- 5-inch75 9.00
- 6-inch 1.00 12.00
- Tradescantia Variegata (Wandering Jew)—
- 2-inch \$0.40 per doz.; \$3.00 per 100
- VINCAS—
- Doz. 100
- 2-inch \$ 2.50
- 3-inch 5.00
- 4-inch \$2.50 15.00
- Per 1,000
- PANSIES, transplanted seedlings. \$5.00

BULBS.

	Per 100
Dahlias, Thatcher, double yellow.....	\$12.00
Sylvia, light pink	12.00
A. D. Livoni, shell pink	12.00
J. Cowan, single	12.00
J. Downie	12.00
Ami Barillet, single.....	12.00
Fashion, single	12.00
Field Clumps	\$80.00 per 1,000
Ismene Calathina, 1st size	6c each
2nd size	4c each
3rd size	2c each

Nursery Stock.

From the Field, for Spring Shipment.

SHRUBS.		
	Feet.	Each.
Morus Alba (Russian Mulberry).....	3-4	\$0.10
Morus Alba	4-5	.15
Rhus Typhina Laciniata (Cut leaf Sumach).....	2-3	.05
Rhus Typhina Laciniata	3-4	.10
Rhus Typhina Laciniata	4	.15
Rosa Rugosa, mixed	1½-2	.10
Rosa Rugosa, mixed	2-2½	.15
Rosa Rugosa Alba (Single White)	1½-2	.10
Rosa Rugosa Alba	2-2½	.15
Spiraea Van Huuttei (Bridal Wreath)	1-2	.05
Symphoricarpos Racemosus (Snowberry or Waxberry).....	2	.05
Symphoricarpos Racemosus	2-3	.10
Symphoricarpos Vulgaris (Indian Currant)	1-1½	.05
Symphoricarpos Vulgaris	2-2½	.10
Symphoricarpos Vulgaris	3	.15
PERENNIALS.		
Achillea The Pearl (Sneezewort).....		.10
Boltonia Asteroides (False Chamomile).....		.15
Iris, German, named varieties, divisions according to size of clump.....		\$0.02 and up
Yucca Filamentosa (Adam's Needle or Spanish Bayonet) .....		.10
Yucca Filamentosa .....		.15

NOTICE.

For List of Palms and Prices see our advertisement on page 389 in last week's issue of this paper.



Pteris Magnifica.

THE
GEO. WITTBOLD CO.
EDGEBROOK, CHICAGO.



Pteris Critica, Albo Lineata.

Dreer's Hardy Perennial Phloxes

AND DREER'S JAPANESE IRIS.

We have just mailed to the trade a **Special Offer of Hardy Perennial Phloxes and Japanese Iris**, in which we quote interesting prices for early delivery. If you have not received copies, write to us. We are the most extensive growers in the world, of these two most important Perennials. In other Hardy Perennials our stock is even more extensive than in former seasons and the **Dreer Method of Pot-growing** many of these plants is appreciated by the most extensive planters.

Our current **Wholesale List** gives full information and quotes prices as low as good stock can be produced and properly packed for.

HENRY A. DREER, Inc.,
714 Chestnut Street, PHILADELPHIA, PA.



Hardy Perennial Phlox.

- A **spargus Plumosus** and **Sprengeri**, 3-in. pots \$4.00 per 100.
- Daisy** (new), Mrs. F. Sanders, 2½-in. pots, \$5.00 per 100.
- Ivy**, English Hardy, 4-in. pots, \$1.00 per dozen; 3-in. pots, \$4.00 per 100.
- Passiflora** **Cerulea** and **Pfordii**, 3-in. pots, \$4.00 per 100.
- Geraniums**, **Rose** and **Nutmeg**, 3-in. pots, \$3.00 per 100.
- Clematis**, large-flowering varieties, red, white and blue, 5-in. pots, \$2.00 per dozen; extra strong 6-in. pots, \$3.00 per dozen.
- Daisies**, **Paris**, white and yellow, 3-in. pots, \$3.00 per 100.
- Smilax**, 3-in. pots, \$4.00 per 100.
- Swainsona Alba**, 2½-in. pots, \$3.00 per 100.

Stock from 2½-in. pots, \$2.50 per 100: **Abutilon Savitzi**; **Heliotrope**, blue; **Cupheas**; **Asparagus Sprengeri**; **Ageratum blue**; **Geraniums**, **Rose** and **Nutmeg**; **Salvia Bonfire**; **Alyssum**, dbl., white; **Lobelia**, single, blue.

Rooted Cuttings, \$1.00 per 100, by mail prepaid: **Fuchsias**, 4 varieties; **Salvia Bonfire**; **Parlor Ivy**; **Hardy English Ivy**; **Cupheas**; **Ageratum**; **Rosemary**; **Euonymus**, golden variegated; **Santolina**; **Lobelia**, single, blue.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

200,000 CARNATIONS

We are rooting over 200,000 this season. Our stock of **Pure White Enchantress** and **Enchantress** is hard to beat.

	100	1000
Enchantress	\$3.00	\$25.00
Pure White Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Mrs. C. W. Ward	3.50	30.00
Dorothy Gordon	3.50	30.00
White Wonder	6.00	50.00

250 at 1000 rates. Cash or reference.
Smith & Gannett, Geneva, N. Y.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.
The Home Correspondence School
Dept. A. F., Springfield, Mass.

ROSES and ROSES

Spring Price List Ready.



Budding Knife Free.

See Page 434.

"Colorado Grown Plants Beat Them All."

EASTER SPECIALS!

MONEY MAKERS EVERY ONE.

Pot Lilies Carefully wrapped and crated; shipped in paper pots if requested. All extra choice plants, 12½c, bloom or bud.

Azaleas Standard varieties, full of buds, all fine and fit, \$1.50 to \$5.00 each.

Hydrangeas An especially fine lot; all choice symmetrical plants, 8 to 20 blooms, \$1.50 to \$5.00 each.

Spiraeas Gladstone and Alexandra. Every one a dandy, and the biggest value ever for the money. 50c for 6 inch; 75c for 7 inch; \$1.25 for 8 inch.

Rose Plants

The best we ever had.

Crimson Ramblers, \$1.00 to \$5.00 each. **Lady Gay** and **Dorothy Perkins**, \$1.00 to \$3.00 each. **Tausendschon**, \$1.50 to \$3.00 each. **American Beauties**, 50c to 75c each. **Philadelphia Ramblers**, 75c to \$3.00 each. **Baby Ramblers**, 75c to \$1.00 each.

Other Flowering Stock.

HYACINTHS, all colors, 4 inch, 12½c; 5 inch, 5c; 6 inch, 35c; 7 in., 50c; 8 inch, 75c; 10 in., \$1.00.

DAFFODILS, 6 inch, 35c; 7 inch, 50c; 8 inch, 75c; 10 inch, \$1.00.

TULIPS, single and double, 6 inch to 10 inch.

LILY OF THE VALLEY, 5 in., 50c; 6 in., 75c.

GERANIUMS, extra fine blooming plants.

DECORATIVE PLANTS.

Exceptionally Large and Thrifty Stock.
Boston, Whitmanii, Asparagus and Table Ferns of all kinds; **Araucarias**, **Rubber Plants**, **Kentia** and other **Palms**, etc.

Order promptly, there's a reason. Cash with order or satisfactory reference.

ELITCH-LONG GREENHOUSES,
DENVER, COLORADO.

Flower Colors

Use our **COLOR CHART** in describing them.
PRICE, \$1.00 POSTPAID.

American Florist Co.,
4101, Dearborn St., CHICAGO

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schnyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, **ERNST BENARY,**
Published and For Sale by the
American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE ONE DOLLAR, POSTPAID.

TAKE THE HINT

The successful man in business keeps cool. Don't cry, don't worry about hard times, don't lose your head. Just keep calm and think of your old friend in Philadelphia. His name, Godfrey Aschmann, He shall take care of you this Easter, 1912. His big stock of fine plants and his low prices will pull you through at all times.

Therefore Prepare for Easter

And Come Direct to the Factory. A Great Factory of Live Stock That Never Ceases.

Twenty-five years' experience in shipping Easter plants—well known, popular, from Atlantic to Pacific Oceans. Our shipments of Easter Plants reach every city and state of the United States, Mexico, Canada, and as far as Cuba.

All Florists should this Easter time
Come see my stock quite superfine;
My glistening Araucarias,
My Lilies strong and wondrous fair,
Ferns, big and green, no rivals know,
Bulbs of all sorts, the best I grow.
There's not a flower you now can need
But I can sell you cheap indeed

Azalea Indica.

Is another specialty of ours, inspected personally by myself on my yearly trip to Europe at our grower's establishment in Belgium, who is a specialist in cultivating Azaleas over there. Only the best American sorts are raised and imported for me.

What is the name of the Best Pink Azalea? Mme. Van der Cruyssen is the name.

Originated by the well-known Azalea specialist, Mr. Van der Cruyssen, of Ghent, Belgium. Millions are raised every year of this so world-wide known popular pink Azalea and are shipped out to every portion of the globe from Belgium. We are well provided and have a big stock of this so well favored variety in America, the Mme. Van der Cruyssen; covered with buds and flowers, ready for Easter trade, well shaped, round as an apple; in all sizes, 6-7-8 in. pots, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50 to \$3.00. On account of scarcity in Belgium of this variety, we only were able to obtain a limited quantity of the smaller sizes; therefore bigger sizes must accompany the order for Van der Cruyssen.

Simon Mardner, double pink, 60c, 75c, \$1.00, \$1.25 to \$1.50; De Schryveriana, double variegated, 60c, 75c, \$1.00, \$1.25 to \$1.50; Vervaneana, a well known double variegated variety, 60c, 75c, \$1.00, \$1.25 to \$1.50; Apollo, best red, \$1.00 to \$1.25; Niobe, double white, 60c, 75c, \$1.00, \$1.25 to \$1.50; Deutsche Perle, double white, 75c; a few good mixed varieties, such as Empress of India, Helena Thielmann and others, 75c, \$1.00 to \$1.50.

If we are out of the size and color ordered, we shall ship next size and color.

In connection with Lilies and Azaleas, kindly try to buy a few other plants.

Spirea Gladstone.

What is a home, what is a store, what is a church, what is an Easter present, without having a few of the so much admired and so greatly in demand **Spirea Gladstone**, the pride of Holland? O, those charming sprays of beautiful pure white flowers! And the foliage, of such a beautiful wax deep green is a jewel in itself! Mixed with beautiful lilies and other blooming plants they will complete the flower decoration for your happy, joyful Easter home of 1912. Knowing the great demand for these plants during past Easters, when not half the customers could be supplied, we are well prepared this year for the rush, and were fortunate in spite of the scarcity last fall in Holland. When other florists' supplies were cut short by Holland growers we obtained enough of the bulbs to fill two houses with the choicest, and we are able to supply all incoming orders promptly. Price: 5½, 6 and 7 in. pots, full of buds and flowers, 35c, 50c, 75c to \$1.00 each; dozen or more, the same price. Some are as big as a small washtub.

Shasta Daisies, pure white hardy daisies, 2½-in. pots, \$3.00 per 100.

Chinese Primroses, 5¼-in. pots, \$2.50 per doz.

Our New Improved **Begonia Erfordii** has no equal as a constant bloomer, winter and summer, in bloom now, 5¼-in., 25c; 5½-in., 30 to 35c; 4-in., 20c.

Asparagus Sprengeri, 2½-in., 3c; 4-in., 10c.

Asparagus Plumosus, 10,000 on hand, April, 1911, savings, big stock plants, 4-in., 10c; 3-in., 10 to 12 in. high, \$6.00 per 100; large 2½-in., suitable for edging bulb pans, \$5.00 per 100.

Our **Hydrangea Otska** can't be beat; full of buds; right for Easter trade; every branch nicely staked up, 2, 3, 4, 5, 6, 7 heads to the plant, 6-in. pots, 35c to 50c; 5 to 7-in. pots, 75c; \$1.00, \$1.25 to \$1.50.

Azaleas, like a plant on fire
With blooms that fill the heart's desire.
Choice Primroses, with colors chaste;
Palms grown to suit the highest taste.
The Springtime jewels are my flowers,
Pictures of life that brighten ours,
None fairer, better, you can find,
I have the best of every kind.



Lilium Multiflorum.

We have Lilies this Easter (1912) to burn, to burn; they are crackerjacks, to beat the band, the best in the land, the best in the land, the best in the land.

Three houses in **Lilium Multiflorum**, the genuine Japan Easter Lily, better than ever before. Our own importation from our general grower in Japan, raised from 9-10-in. bulbs started in 6-in. pots last October; have kept cold. Good, perfect foliage from bottom up. Plants medium size and in all heights, from 5 to 10 buds to the plant, 10c per bud; plants under 5 buds, 12c per bud. Just right for Easter. We have the finest lilies this year in Philadelphia and all over the country, is the town talk from florists and agents daily visiting our place. "We have never seen anything like it," said two well-known growers one day, when visiting our place together. We have three houses full in 6-in. pots nicely staked up, medium height, and can supply all applications.

Cineraria Hyb. Grandiflora.

Readers, please, just a minute. I wish to call your attention to one of our biggest houses filled with a big selection of that so much admired Easter novelty, the **Cineraria Hybrida Grandiflora**, which will have no equal in the flower market for Easter, 1912. If you are not fortunate enough to see them growing at our establishment, then just imagine you were promoted to a paradise, to a garden in Eden, standing before a mass of flowers in various beautiful colors. This is the condition one of our Cineraria houses represents at Easter time. Our new improved strain, planted in 6-in. pots, of medium tall sizes, are unsurpassed in the size and color of the flowers. The flowers are about twice the size of the old ordinary varieties, has big heads of flowers and good foliage; some of the plants are as big as a small apple basket. Price: 6-in. pots, 25c, 35c, 50c, 75c to \$1.00 per plant; dozen or more, same price.

Ficus Elastica or Rubber Plants, in fine condition, perfect leaves, 7-in. pots, specimen plants, 28 to 30 in. high, \$1.00; 6 to 6½-in. pots, 25 to 28 in. high, 50c to 75c; 5¼ to 5½ in. pots, 25c, 30c to 35c.

Araucarias Our Specialty.

We are the largest importers of these lovely decorative plants, the **Araucaria Excelsa**, **Robusta Compacta** and **Glauca**, the choicest last spring (1911) importation, ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the Araucarias in the future.

Look! Bargains in **Araucaria Excelsa**. Such low prices as are quoted below were never known in the history of **Araucaria Excelsa**. Just think! 5½-in. pots, 3-4 tiers, 16 to 18 in. high, 50c to 60c.

Plants, 5½-6-7 in. pots, raised from top cuttings, no seedlings, 15-18-20-25-30 in. high, 4-5-6 tiers, 2-3-4-5 years old, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each. We give big value for your money. Just think! An elephant, 6-in. pot, 4 years old, 4-5-6 tiers, 20-25 in. high, for only 75c; a jumbo, 6-in. pot, 5 year old, 25 in. and over, as wide as a bushel basket, 5-6 tiers, for only \$1.00; and what do you think! a holy terror, 30 to 40 in. and over, 5-6-7 tiers, worth \$2.00, for only \$1.25 to \$1.50.

We also have the nicest **Araucaria Robusta Compacta** and **Excelsa Glauca**, 3 to 4 tiers, 18 to 24 in. high, 25 to 30 in. across, 6-in. pots, a house full, perfect jewels, for only \$1.25 to \$1.50, worth \$1.75 to \$2.00.

Von Sion Daffodils (double nosed), best double yellow **Narcissus** in cultivation, three bulbs planted in a 5½ to 6-in. pot, \$2.50 to \$3.00 per dozen pots.

Murillo, **Tournesole** and **Red Tulips** in 9-in. pans, 7 to 9 bulbs in a pan, **Asparagus** around, 60c; 10-in., 75c.

Tulips, **Tournesole**, double, red and yellow variegated, and **Murillo**, beautifully shaded rose pink, three bulbs in one pot (4-in.), \$15.00 per 100 pots; \$1.80 per dozen.

Hyacinths, 3 plants in a 9-in. pan, edging of **Asparagus Plumosus**, 60c per pan; 10-in. pans, trimmed with **Asparagus** also, 75c.

Hyacinths of our own importation, four best colors. **Gertrude**, best pink; **King of the Blues**, best blue; **Grand Maitre**, light blue; **La Grand**, esse, best white; 4-in. pots, now outside in cold frame, covered with leaves; two weeks will force them out into bloom; in bud or bloom, \$12.00 per 100.

Dielytra Spectabilis (Bleeding Heart), hardy, 5½ to 6-in. pots, 25c, 35c and 50c.

Ipomea Noctiflora, our so well-known pure white, waxy **Moonvine**, bearing flowers very fragrant and as big as a saucer, 2½-in. pots; will make good stock for you to propagate from; \$5.00 per 100.

Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each; made up of 3 6-in. pots, 25 to 30 in. high, 50c to 60c.

Areca Lutescens, 3 plants in a 4-in. pot, 20c to 25c; 5¼-in., 3 plants in a pot, 30c.

Cocos Palms, **Cocos Weddelliana**, large 3-in. pots, 15c, 20c to 25c.

Kentia Forsteriana, in fine shape, 6-in. pots, 25, 30, 35, 40-45 in. high, 4, 5, 6 years old, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each.

Kentia Belmoreana, single plants, 5½-6-7 in. pots, 5-6-7 years old, 25-30-35-40 in. high, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots, 75c, \$1.00, \$1.25 to \$1.50; 4-in. 20 in. high, 20c to 25c.

Our Ferns this year are exceptionally very fine. **Boston**, **Scottii**, **Whitmanii** and **Scholzii**, 5½ and 6 in., 35c, 40 and 50c, 7-in. large, bushy plants, 75c to \$1.00. As big as a washtub basket, \$1.00 to \$1.25. 8-in., as big as a washtub, only \$1.50, worth \$2.00 to \$3.00. Remember, all our Ferns are pot-grown, not lifted from benches.

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Pot.	Leaves.	In. high.	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50
3 -in.	5	12.....		2 00
4 -in.		15.....	\$0 35	4 00
5 -in.	6 to 7	18.....	50	6 00
6 -in.	6 to 7	24.....	1 00	12 00
6 -in.		26.....	1 25	15 00
Ced'r tub.	L'va.	In. high.	Each	Doz.
7-in.	6 to 7	34 to 36.....	\$2 50	\$30 00
7-in.	6 to 7	36 to 38.....	3 00	36 00
9-in.	6 to 7	40 to 45.....	4 00	48 00
9-in.	6 to 7	42 to 48.....	5 00	
9-in.	6 to 7	48 to 54.....	6 00	
9 in.		54.....	7 50	

Made Up Kentia Forsteriana.				
Cedar tub.	Plants.	In. high.	Each	Doz.
7-in.	4	36.....	\$2 50	\$30 00
7-in.	4	36 to 40.....	3 00	
9-in.	4	40 to 42.....	4 00	48 00
9-in.	4	42 to 48.....	5 00	60 00
9-in.	4	48 to 54.....	6 00	
12-in.	4	5 to 5½ ft.....	12 50	
Cibotium Schiedel.				
Cedar tub.	Spread		Each	
9-in.	4 feet		\$3 00	
9-in.	5 to 6 feet		5 00	
9 in.	6 feet		6 00	

Cedar Areca Lutescens.				
tub.	Planta in tub.	In. high.	Each	
9-in.	Several	5 ft.....	\$7 50	
Phoenix Roebeleni.				
Pot.			Each	
3-in.	characterized.....		\$1 00	
6 in.,	18 to 20-in. spread.....		1 50	
Cedar				
tub.	High.	Spread.	Each	
7-in.	18-in.	24-in.....	\$2 00	
Cocos Weddelliana.				
Pot.	In. high.			
2½-in.	8 to 10.....		10	
			\$10 00	

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Baron de Bonstetten, dark red.....	2 00	14 00		
Baroness Rothschild, satiny pink.....	2 00	14 00		
Captain Christy, flesh white.....	2 00	15 00		
Caroline Testout, nearly white.....	2 00	15 00		
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Killarney, choice pink.....	2 50	18 00	85	6 00
Grafted, doz., \$2.00; 100, \$15.00.				
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Mme. Abel Chatenay, salmon pink.....	2 00	15 00		
Mme. Gabriel Luizet, satiny pink.....	2 00	14 00		
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	Dormant.		2 1/2-in. pots.	
	Doz.	100	Doz.	100
Magna Charta, deep pink.....	\$2 00	\$14 00		
Maman Cochet, pink or white.....			\$ 75	\$5 00
Marshall P. Wilder, bright red.....	2 00	15 00		
Moss, double pink and white.....	2 00	15 00		
Mrs. Aaron Ward, golden orange.....			1 50	10 00
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Mrs. John Laing, bright pink.....	2 00	14 00		
Mrs. R. G. S. Crawford, flesh pink.....	2 00	14 00		
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Persian Yellow, yellow.....	2 00	15 00		
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Prince de Bulgarie, salmon pink.....			1 00	7 50
Grafted, doz., \$2.00; 100, \$15.00.				
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Souv. de Pres. Carnot, flush white.....				\$5 6 00
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	\$0 30	\$3 00	\$22 00	\$0 30	\$3 00	\$20 00	\$0 30	\$3 00	\$20 00
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Baltimore Belle, pale blush.....	20	2 00	12 00						
Crimson Rambler, 2 year select.....	20	2 00	15 00						
3 year select.....	25	2 50	18 00						
Dorothy Perkins, shell pink, 2 year select.....	20	2 00	15 00						
Flower of Fairfield, everblooming Crimson Rambler.....	25	2 50	18 00						
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See Page 434.

Ready Reference Section.

10 CENTS PER LINE, NET.



ACHYRANTHES.

Achyranthes, rooted cuttings, P. de Bailey, Metallica, Lindeol, Warszewiczil, \$6 per 1,000; 2-in., P. de Bailey, \$2.50 per 100; Metallica, Lindeni, Warszewiczil, \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Achyranthes, Emersoni, Besteri, Mosacia, 2 in. \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

AGERATUMS.

Ageratum, Stella Gurney, Princess Puullie, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALYSSUM.

Sweet alyssum, our big double giant, 80c per 100; \$6 per 1,000. Prepaid. O. Humfeld, Clisy Center, Ksns.

ALTERNANTHERAS.

Alternantheras, R. C., P. major, A. Nana, 50c per 100; \$4 per 1,000. Brilliantissima, 60c per 100; \$5 per 1,000. J. W. Davis, 225 W. 16th St., Davenport, Iowa.

ARAUCARIAS.

Araucarias, 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechslin, 4911 Quincy St., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Huikel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus baskets, \$1, \$1.50 and \$2 each. Plumous, 2-in., 40c per doz.; \$3 per 100; 3-in., 75c per doz.; \$6 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 6-in., \$4 per doz.; \$30 per 100. Asparagus S. D., 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus plumosus nanus, 2-in., 50c per doz.; \$3 per 100; 2½-in., 75c per doz.; \$4 per 100; 3-in., \$1 per doz.; \$7 per 100. Sprengerii, 2-in., 50c per doz.; \$3 per 100; 2½-in., 60c per doz.; \$4 per 100. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus nanus, from 2½-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus nanus, extra heavy, 3¼-in., \$1.50 per 100. Sprengerii, 3¼-in., \$4 per 100. Place your order now if you want some of these plants. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus nanus, 2¼-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus plumosus, 2-½-in., \$3 per 100; \$25 per 1,000. Sprengerii, 2½-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprengerii, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emman, Newton, N. J.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengerii, 2½-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprengerii, can be shifted into 5-in., \$6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, 3¼-in. pots, \$5 per 100. Wm. Duntermann, Bensonville, Ill.

Asparagus plumosus, \$2.50 per 100; \$25 per 1,000. A. M. Herr, Laucaster, Pa.

Asparagus plumosus, 2¼-in., \$2 per 100; \$18 per 1,000. Joseph H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengerii plants. W. H. Elliott, Brighton, Mass.

ASPIDISTRAS.

Aspidistras, variegated, 15c per leaf. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

AZALEAS.

Azaleas, Mme. Van der Cruyssen, 6, 7 and 8-in., 75c to \$3. Simon Marduer, 60c to \$1.50. Schryverianu, 75c to \$1.50. Vervaneana, 60c to \$1.50. Apollo, \$1 to \$1.25. Niobe, 75c to \$1.50. D. Perle, 75c. Empress of India, Helena Thielmann, 75c to \$1.50. Godfrey Aschmann, 1012 W. Ontario st., Philadelphia.

Azaleas, Empress of India, 75c, \$1 and \$1.50 each. Van der Cruyssen, 75c, \$1, \$1.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea Mollis, 12 to 15 ins., 25c each; 15 to 18 ins., 35c each. Storrs & Harrison Co., Painesville, O.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. Hutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Carolina Lucerna, very heavy branched, 4-in. stock, full budded, perfectly clean; every one a good plant, 17c; strong, 2½-in., \$10. Stuppy Floral Co., St. Joseph, Mo.

Begonia Glory of Cincinnati, young shoots from base, \$15 per 100; \$140 per 1,000. J. A. Peterson, Cincinnati, O.

Begonias, Vernon, white and pink, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Rex begonia, assorted, 3-in., \$5 per 100. The Dupee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood. Hutchison & Co., 17 Murray St., New York.

Boxwood, Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, tuberoses, true Dwarf Pearl, 1st size, 4-6 in., \$9 per 1,000; medium, 3-4 in., \$5. Gladiolus, Mrs. Francis King, medium, \$17; Augusta, medium, \$16; America, medium, \$27.50; Kuerdi "Glory" \$7 per 100; \$70 per 1,000; Florist XXX, mixed, \$15. Caladiums, esculentum, 5-7 in., \$15 per 1,000; 7-9, \$30; 9-11, \$55. Liliun album, 8-9, \$95 per 1,000. L. Rubrum, 9-11, \$80; L. auratum, 8-9, \$50; 9-11, \$80. L. giganteum, 250 or 300 to case. 7-9, \$65. Vaughan's Seed Store, Chicago and New York.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottier, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Gladioli bulbs. Extra choice mixture of Groff's Hybrids. Choice named varieties among lot, 1½ to 2½-in., \$6.75 per 1,000; 80c per 100; 1 to 1½-in., \$3.50 per 1,000; 40c per 100; under 1-in., \$1.50 per 1,000; 25c per 100. Pearl G. Waltz, R. D. 24, Box 122, South Akron, Ohio.

Gladiolus. Mrs. Francis King, 2nd size, \$12 per 1,000; 3rd size, \$8. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Bulbs, tuberoses, dwarf Pearl, 1st prize, \$1.10 per 100; \$9.50 per 1,000. Caladiums, 5-7-in., \$2 per 100; 7-9, \$3.50; 9-11, \$6 per 100. Begonias, dbl. separate, \$4 per 100; \$35 per 1,000. Gloxinias, separate colors, \$3.50 per 100; \$30 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs, Liliun Harrisii, 7-9, \$17 per case of 250 bulbs. White hyacinths, 12-15 ctms., \$18 per 1,000. Paper White Grandi, Narcissus, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horeshoe Brand Liliun Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Gladiol, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Negioscot, etc., Lilies. E. S. Miller, Wading River, N. Y.

Bulbs, hyacinths, tulips, narcissus, crocus, spireas, gladiolus, peonies, etc. Van Zanten Bros., Hillegom, Holland.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Gladiolus. I have a small surplus of named gladioli that I offer at reduced prices. Write for surplus list. LILLESAND, Cambridge, Wis.

Bulbs, begonias and gloxinias. Hutchison & Co., 17 Murray St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, Surplus of L. Multiflorum, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crimson Bedder, Chas. Henderson, David Harum, Allemannia, Shenandoah, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

Cannas. For varieties and prices see advertisement elsewhere in this issue. W. W. Coles, Kokomo, Ind.

Cannas. For varieties and prices see advertisements elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Cannas. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Cannas, Chas. Henderson, 2 to 3 eyes, \$2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

CARNATIONS.

Strong, Well Rooted Cuttings.

	Per 100	Per 1000
Washington	\$6.00	\$50.00
White Wonder	6.00	50.00
Gloriosa	6.00	50.00
Pink Delight	6.00	50.00
Bonfire	6.00	50.00
Christmas Cheer	6.00	50.00
Princess Charming	6.00	50.00
White Enchantress, pure white	3.00	25.00
White Perfection	3.00	25.00
Victory	3.00	25.00
Scarlet Glow	3.00	25.00
Afterglow	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Dorothy Gordon	3.00	25.00
Enchantress	3.00	25.00
May Day, very fine	3.00	25.00

CHICAGO CARNATION CO.

A. T. Pyfer, Mgr. 30 E. Randolph St., Chicago. Carnations, Washington, \$4 per 100; \$35 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000. Beacou, \$3 per 100; \$25 per 1,000. White Enchantress, \$3 per 100; \$25 per 1,000. May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

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FINE CARNATION CUTTINGS.

Table with 3 columns: Variety, Per 100, Per 1000. Includes Victory, Winsor, White Lawson, Pink Lawson, Washington, Enchantress.

WIEFOT BROTHERS,

162 N. Wabash Ave., Chicago.

Carnations, from pots, White Perfection, White Enchantress, Dorothy Gordon, Winona, Enchantress, Beacon, Victory, \$2.50 per 100; \$25 per 1,000. Mrs. C. W. Ward, \$3.50 per 100. Washington and White Wonder, \$5 per 100. A. M. Herr, Lancaster, Pa.

Carnations, Washington, Bright Spot, \$6 per 100; \$50 per 1,000. Mrs. C. W. Ward, \$4 per 100; \$30 per 1,000. Sangamo, Dorothy Gordon, White Enchantress, Enchantress, White Perfection, May Day, Beacon, Scarlet Glow, \$3 per 100; \$25 per 1,000. A. C. Brown, Springfield, Ill.

Carnations, Gloriosa, Norwood, \$8 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Perfection, \$3.50 per 100; \$30 per 1,000. White Enchantress, Enchantress, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Rosette, \$12 per 100; \$100 per 1,000. Scarlet Glow, White Perfection, \$3 per 100; \$25 per 1,000. Bonfire, \$6 per 100; \$50 per 1,000. Rose P. Enchantress, \$3 per 100; \$25 per 1,000. F. Dörner & Sons Co., LaFayette, Ind.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000; White Wonder, \$6 per 100; \$50 per 1,000. Smith & Gannett, Geneva, N. Y.

Carnations, strong rooted stem cuttings, Washington, \$50 per 1,000. Winsor, \$15 per 1,000. Victory, \$13 per 1,000. White Perfection for later delivery, \$15 per 1,000. 100 at 1,000 rate. Cash or references. Northwestern Floral Co., Gross Point, Ill.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Cbaa, Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y. Chas. H. Totty, Madison, N. J.

Carnations, Beacon, White Enchantress, \$2.50 per 100; \$20 per 1,000. R. P. Enchantress, Enchantress, \$2 per 100; \$17.50 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Carnations, Wm. Swayne, Box 85, Kennett Square, Pa.

Carnation Benora, \$12 per 100; \$100 per 1,000. Peter Fisher, Ellis, Mass.

Carnations, Wood Bros., Flakkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

March 1st delivery.

Table with 4 columns: Variety, R. C. Per 100, Per 1,000, Price. Includes Crimson, Pickett's Crimson, Intensity, White, Alice Byron, Touset, October Frost, Yellow, Crocus, Golden Glow, Halliday, Maj. Bonnafon, Plunk, Pacific Supreme.

Chrysanthemums, Early Snow, Estelle, Golden Glow, Pacific, Supreme, Bonnafon, J. Nonin, Nagoya, rooted cuttings, \$1 per 100. Edward Wallis, Atco, N. J.

Chrysanthemums, 2-in. pots, Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, \$7 per 100. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, leading vara. Wood Bros., Fliskill, N. Y.

Chrysanthemums, Chadwick, Supreme, Roman Gold and Smith's Advance. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums. Our collection of over 50 varieties cover all that is desirable. Write us. C. C. Pollyworth Co., Milwaukee, Wis.

Chrysanthemum Maximum perfectum (improved Shasta daisy), seedlings, \$5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Hardy chrysanthemums, 2-in., \$2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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

Chrysanthemums, Wm. Swayne, Box 85, Kennett Square, Pa.

CINERARIAS.

Cineraria Hyb. grandiflora, 6-in., 25c to \$1 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per \$100; \$40 per 1,000. The Good & Keese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Brilliantissima, 2-in., \$3 per 100; 3-in., \$4. G. Bedder, Verschaftell, Queen Victoria, 2-in., \$2; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaftell, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, rooted cuttings, six standard varieties, 75c per 100; \$6 per 1,000. Stuppy Floral Co., St. Joseph, Mo.

Coleus, G. Bedder, Verschaftell and standard sorts, \$6 per 1,000. Giant-leaved, \$2.50 per 100. A. M. Herr, Lancaster, Pa.

Coleus, 2-in., Pfister, red and yellow Beckwith's Gem, \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago.

Coleus. A. N. Pierson, Inc., Cromwell, Conn.

CYPERUS.

Cyperus, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinged lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; 5c per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, a choice list of best novelties and varieties for cutting or garden use. True to name. Send for catalogue of dahlias, hollyhocks, hardy plants, etc. Prices reasonable. W. W. Wilmore, Box 332, Denver, Colo.

Dahlias. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlia, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, new and standard varieties. Bassett & Weller, Hammonon, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

DAISY HEADQUARTERS. We offer strong Mrs. Sander, the new large double white, 2 1/2-in., \$4 per 100; 2 1/2-in., \$5; 3-in., \$6. Soleil D'Or, best yellow, 2 1/2-in., \$4 per 100; 3-in., \$5. Queen Alexandra, fine white, 2 1/2-in., \$4 per 100; 3-in., \$5. Immediate delivery. WEILAND & RISCH, 154 N. Wabash Ave., Chicago.

Marguerites, yellow, cuttings, \$6 per 1,000; \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Shasta daisies, 2 1/2-in., \$3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

DRACAENAS.

Dracena indivisa, 2-in., \$3 per 100; \$25 per 1,000; 7-in., \$1.25 each; \$15 per doz. Dracena Massangeana, \$1.25 each; 7-in., \$1.50 each. Dracena terminalis, 4-in., 35c each; \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emman, Newton, N. J.

EASTER PLANTS.

Easter plants, pot lilies, 12 1/2c per bud. Azaleas, \$1.50 to \$5 each. Hydrangeas, 8 to 20 blooms, \$1.50 to \$3. Spruce, Gladstone and Alexandra, 50c for 6-in.; 75c for 7-in.; \$1.25 for 8-in. Crimson Ramblers, \$1 to \$5. Lady Gay and Dorothy Perkins, \$1 to \$3. Tausendschou, \$1.50 to \$3. An. Beauty, 50c to 75c each. Phila. Rambler, 75c to \$5. Baby Ramblers, 75c to \$1. Ilyacithus, 4-in., 12 1/2c; 5-in., 25c; 6-in., 35c; 7-in., 50c; 8-in., 75c; 10-in., \$1. Dafodils, 6-in., 35c; 7-in., 50c; 8-in., 75c; 10-in., \$1. Tulips, 6-in. to 10-in. Boston ferns, Whitmanii, Asparagus and table ferns, araucarias, rubber plants, kentias and other palms. Elitch-Long Greenhouses, Denver, Colo.

FERNS.

HARDY NATIVE FERNS.

Adiantum pedatum; Asplenium ebenenum, trichomanes; Aspidium acrostichoides, cristatum, Marginale, Novahoracensis, spinulosum, thelypteris; Campsosorus rhizophyllus; Dicksonia punctilobula; Onoclea sensibilis; struthiopteris; Osmunda cinnamomea, Claytoniana, regalis; Polypodium vulgare; Woodsia ilvensis, Wordwardia Virginica. L. E. WILLIAMS, Exeter, N. H.

Ferns, Boston, 5-in., \$3.25 per doz.; \$25 per 100; 2 1/2-in., \$5 per 100. Superbissima, 2 1/2-in., \$6 per 100. Whitmani, 5-in., \$30 per 100. These are all first-class, clean, full pot-grown plants. Superior Nursery Co., 59th St. and Compton Ave., Los Angeles, Calif.

Ferns, Boston, 2-in., \$3 per 100; \$25 per 1,000; 3-in., \$1 per doz.; \$8 per 100; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz. Boston fern baskets, \$1 to \$2 each. Assorted ferns for dishes, 2-in., 40c per doz.; \$3 per 100; \$25 per 1,000. Cibotium, 7-in., \$2.50 each; \$30 per doz.; 8-in., \$3 each, \$36 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns, Amerpohli, Barrowell, Scotti, Elegatissima, Boston, Jackson, Sword and Whitmani, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dinges & Conrad Co., West Grove, Pa.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000; 2-in., 3 varieties, \$3 per 100; \$25 per 1,000. Cash, please. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitmani, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rate. H. H. Barrows & Son, Whitman, Mass.

Ferns for dishes, Pteris Mayi, Wilsoni, Wimssetti and Alba Lineata, 2 1/2-in., 50c per doz.; \$3 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechsli, 4911 Quincy St., Chicago.

Ferns. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, 4-in., \$12 per 100, Boston, Barrowell, Elegatissima. Also 2 1/2-in., Boston, \$3.60 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitmanl, 4-in., 25c. Geo. M. Emman, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns for dishes; assorted, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, fine, double flowers, the best of all, \$1 per 100; \$9 per 1,000. Prepared. C. Humfeld, Clay Center, Kans.

FICUS.

Ficus Repens, 2 1/2-in., \$4 per 100; 4-in., \$10 per 100. These are extra strong and ready to shift. Superior Nursery Co., 59th St. and Compton Ave., Los Angeles, Calif.

Ficus elastica, 6-in., 50c each; \$6 per doz. Ficus ripens, 2 1/2-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GERANIUMS.

ROOTED GERANIUM CUTTINGS, Nutt, Grant, Poitevine, Buckner, for delivery, March 15th to 30th, \$1.50 per 100; \$14 per 1,000. The W. T. Bunkley Co., Springfield, Ill.

Fenical Geraniums, double bright sage color, clusters measure 3 to 6 ins., 2 1/2-in., \$2.75 per 100; 3 1/2-in., \$5 per 100. Linus Fenical, Middletown, Pa.

Geraniums.—For varieties and prices see advertisement on front cover of this issue. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Nutt, \$11.50 per 1,000. Ricard and Poitevine, \$14 per 1,000. A. M. Kerr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emman, Newton, N. J.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 33-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Leakes & Co., Inc., 53 W. 28th St., New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Greens, bouquet green, wreathling, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodman Co., Evergreen, Ala.

Greens. Henry M. Robinson & Co., 46 W. 20th St., New York.

HARDY PLANTS.

HARDY NATIVE PLANTS.

Actaea rubra; *Asclepias incarnata*; *Calla palustris*; *Caltha palustris*; *Chelone glabra*; *Cimicifuga racemosa*; *Epilobium angustifolium*; *Erythronium Americanum*; *Eupatorium purpureum*, *perfoliatum*; *Gentiana Andrewsii*, *linearis*; *Hepatica triloba*; *Lilium Canadense*, *Philadelphicum*; *Lobelia cardinalis*; *Mertensia Virginiaica*, *Nymphaea odorata*; *Solidago*; *Thalictrum cornutum*; *Typha angustifolia*, *latifolia*; *Veronica officinalis* and many others. L. E. WILLIAMS, Exeter, N. H.

Herbaceous plants. Bobbiak & Atkins, Rutherford, N. J.

HOLLYHOCKS.

HOLLYHOCKS.—A fancy mixture of the Allegheny strain. Pure, clean seed, \$4 per lb. Why not grow your own plants? W. W. Wilmore, Box 332, Denver, Colo.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell Conn.

Heliotrope, Albert De Laux, Chleffain, Mme. Brant, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope, 3-in., \$1 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 6-7 inch, 3 to 4 flowering stems, \$5 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea Otaksa, 2 to 7 heads, 6-in., 35c to \$1.50 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Parlor Ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, German, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English Ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

English Ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, M. Légraye, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the Valley, Chicago Market Brand, \$2 per 100; \$17 per 1,000. Florista' Money Maker, \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3038-42 W. Madison St., Chicago.

LOBELIAS.

Lobelia Kathleen Mailard, rooted cuttings, \$3 per 1,000; 2-in., \$3 per 100; \$25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

MUSHROOM SPAWN.

Mushroom Spaw. Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

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ORNAMENTAL NURSERY STOCK.

Acer Pennsylvanicum, Rubrum, saccharum, spicatum; Amelanchier Canadensis, Botryaplum; Azalea canadensis, nudiflora, viscosa; Betula lenta, lutea, papyracea, populifolia; Celastrus scandens; Clethra alnifolia; Cornus alternifolia, Canadensis, circinata, paniculata, Florida, sericea, stolonifera; Dirca palustris; Epigaea repens; Ilex verticillata; Kalmia angustifolia, latifolia; Ledum latifolium; Myrica gale; Ostrya virginica; Populus grandidentata, tremuloides; Prunus Pennsylvanica Serotina, Virginiana, Rhodora Canadensis; Rhus copallina, glabra, typhina; Rosa Carolina, lucida, nitida, rubiginosa; Spiraea Salicifolia, tomentosa; Vaccinium Corymbosum, Pennsylvanicum, vacillans; Viburnum acerifolium, cassinoides, dentatum, Lantana, Lentago, Cuscutrus thyrifides; Juniperus communis, Nana, Virginia; Pinus resinosa, rigida, strobus, Taxus Canadensis; Tsuga Canadensis and many others. L. E. WILLIAMS, Exeter, N. H.

900 White Snowberry, 2½ to 3½ feet, \$5 per 100. 1,500 Golden Willow, 3 to 4 feet, \$4 per 100. 800 Buckthorn, 4 to 5 feet, \$5 per 100. Spirea Van Houttei, 2½ to 3½ feet, \$5 per 100. HENRY LAKE SONS CO., Nurserymen, Black River Falls, Wis.

Nursery stock, trees, shrubs and perennials. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Japan Maple, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Nursery Stock, Ampelopsis Veitchii, Clematis paniculata, privet, shrubs, vines, bulbs, etc. Benj. Connell, Merchantville, N. J.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Adorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, ornamental trees and shrubbery. The Wm. H. Moon Co., Morrisville, Pa.

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Orchids of all kinds. Lager & Horrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Relgate, England.

Orchids, Cattleya and Laelia anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

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Pandanus utilis, 3-in., \$1.50 per doz. Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

KENTIA BELMOREANA, 2½-in. pots, 10-15 inches tall, four or more characterized leaves, \$9 per 100 and worth the money. Jackson & Perkins Co., Newark, New York.

Palms, Phoenix Canariensis and Areca Sapida. For prices see advertisement elsewhere in this issue. The Kentia Nurseries, Santa Barbara, Calif.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Ashmann, 1012 W. Ontario St., Philadelphia.

Palms. McHutchison & Co, 17 Murray St., New York.

PANSIES.

SOMETHING NEW, something different from our gardens—the PANSY WONDERLAND. New color plate catalogue ready March 1st. Tells all about "MASTODONS," the premier mixed strain of pansies. Reset plants, 100, \$2.50; 1,000, \$22.50 prepaid; seed, 1-12 oz., \$1; oz., \$9. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gilliards, \$2.50 per 1,000; \$15 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, transp. seedlings, \$5 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonlea. W. & T. Smith Co., Geneva, N. Y.

PETUNJAS.

Petunias, dbl. fringed, R. O., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, dbl. mixed and white, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIMULAS.

Primroses, Chinese, 5¼-in., \$2.50 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia.

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

Privet, California, 6 to 12-in., \$4 per 1,000; 12 to 18, \$6; 18 to 24, \$8; 2 to 3 feet, \$10; 3 to 4 feet, \$15. Oak Lawn Nursery, Huntsville, Ala.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 8 to 12 buds, 18 ins., 75c each; 12 to 14 buds, 24 ins., \$1 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 ins. named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

Rhododendrons, 75c, \$1 and \$1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROOTED CUTTINGS.

Rooted cuttings, verbenas, 60c per 100; \$5 per 1,000. Salvias, 80c per 100; \$7 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Giant dbl. Alyssum, 80c per 100. Ageratum, 60c per 100; \$5 per 1,000. Petunias, \$1.25 per 100; \$10 per 1,000. Pelargoniums, \$2.50 per 100; \$22 per 1,000. Heliotrope, 80c per 100; \$7 per 1,000. Daisies, \$1 per 100; \$8 per 1,000. Feverfew, \$1 per 100; \$9 per 1,000. S. D. Brant, Clay Center, Kans.

ROSES.

ROSE MRS. TAFT (Antoine Revoire). We are headquarters for this grand rose. Large stock for immediate shipment. We quote own root, strong, 3-in. pots, \$10 per 100; \$85 per 1,000. Also offer MELODY, THE KILLARNEY, RICHMOND, MY MARYLAND. Write for special prices. WELAND & RISCH, 154 N. Wabash Ave., Chicago.

ROSES.—Fine healthy stock. White and Pink Cochet, Souv. de P. Notting, Apricot, Clo. Souper, Gruss an Teplitz, Saucrise, Frans Deagan, Wellesley, Mrs. B. R. Cant and Climbing Souper, 2-in., \$3 per 100. Wagner Park Conservatories, Sidney, O.

Kaiserin roses, 2-year-old, field-grown, in 4-in. pots, ready for bench, \$15 per 100. Mrs. Joseph Back, Burlington, Iowa.

	Per 100	Per 1,000
American Beauty Rose Plants,		
2½-in. pots	\$7.00	\$60.00
American Beauty bench plants	7.00	60.00
Richmond Rose bench plants	6.00	50.00
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Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthus, Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

ROSES. Send for New Trade List just out. THE CONARD & JONES CO., West Grove, Pa.

Roses, Eastern Nurseries, 1090 Centre St., Jamaica Plain, Mass.

SALVIAS.

Salvias, rooted cuttings, Bonfire, Zurich, \$6 per 100; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.
 Salvias, Bonfire, Zurich, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.
 Salvias. A. N. Pierson, Inc., Cromwell, Conn.

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SOW NOW if you want them for early Spring sales.
 6 tr. Tr. Pkta. Pkta.
 Begonia Bedding Queen, finest pink, \$2.50 \$0.50
 " Gracillis luminosa, finest red 2.50 .50
 " Triumph, finest white..... 2.50 .50
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 Hundred pound lots and over, 35c per pound, f. o. b. Cairo, Ga. Less than hundred pounds, 40c per pound. Quantity limited. Order today. Mauldin Bros., Cairo, Ga.

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Choice, unsprouted onion sets, yellow, \$1.70; white, \$2 per 32 lbs. Bushel sacks included. Sluis Seed Store, 544 W. 63rd st., Chicago.

Seeds, Specialties: Beet, carrot, sweet corn, peas, beans, onion sets, seed potatoes. S. D. Woodruff & Sons, Orange, Conn., and New York City.

Seeds, Asparagus plumosus Nanus, northern grown, 60c per 100; 250 seeds, \$1.25; 1,000 seeds, \$3.50; 5,000 seeds, \$3.25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, Asparagus plumosus nanus, per 100 seeds, 60c; 250 seeds, \$1.25; 1,000 seeds, \$4; 5,000 seeds, \$3.75 per 1,000. Vaughan's Seed Store, Chicago and New York.

Seeds, chrysanthemum poppies new and Shirlley, 1 pkt. each 50c. M. J. Schaaf, Danaville, N. Y.

SHAMROCKS.

Shamrocks, true Irish, strong plants, 1 1/4 and 1-in. pots, with saucers, \$5 per 100; \$45 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

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Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.
 Smilax, Wood Bros., Fishkill, N. Y.

SPIREAS.

Spiraea Gladstone, \$3 per doz. Queen Alexandra, \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.
 Spiraea Gladstone, 5 1/2, 6 and 7-in. pots, 35c to \$1 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Fall Bearing Strawberry Plants, best varieties. Catalogue free. Basil Perry, Cool Spring, Del.

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Tradescantia, variegated, 2-in., 40c per doz.; \$3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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VERBENAS—Our selection of rooted cuttings, 75c per 100; \$6 per 1,000. Plants, 2 1/4-in., \$2.50 per 100; \$20 per 1,000. Purchaser's Selection, rooted cuttings, 90c per 100; \$8 per 1,000. Plants, \$3 per 100; \$25 per 1,000. NEW VARIETIES, cuttings, \$1 per 100; plants, \$4 per 100. J. L. DILLON, Bloomsburg, Pa.

Verbenas, 5 colors, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon Verbenas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Vinca variegated, exceptional strong pot-grown, we have too many, so will sacrifice to reduce stock; 2 1/4-in., 2c; 3-in., 5c; 5-in., 10c; the 5-in. are so very strong they would stand division of roots well; they are just right for shipping now; very heavy rooted with medium vines. Cash. The Thos. Chapman Floral Co., 801 West Sixth Ave., Denver, Colo.

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Vincas, rooted cuttings, very strong, \$1 per 100; \$8 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

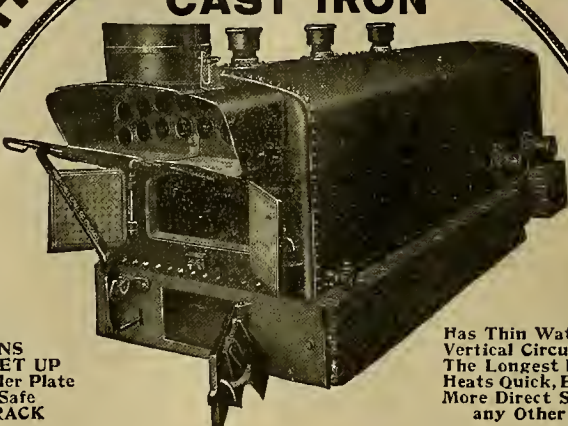
Vincas, 2-in., \$2.50 per 100; 3-in., \$5; 4-in., \$2 per doz.; \$15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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KROESCHELL BROS. CO. 452 West Erie Street, Chicago.

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The National Florists' Board of Trade, NEW YORK

Vinca, new golden (minor aurea), 3-in., \$2 per doz.; \$15 per 100. Wm. Tricker, Arlington, N. J.

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Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 33-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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Spray with K's "Fermentizo" best insecticide. Ask for K's Sprayer. J. Kopesay, South Bend, Ind.

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The cheapest and most practical Hotbed and Cold Frame Mat on the market. Send for circular and price list. Watts Bros., Kerrmoor, Pa.

Straw (rye) Mats, 3 ft. by 6 ft., each, \$1.25; dozen, \$14; 6 ft. by 6 ft., each, \$2.25; dozen, \$25. Vaughan's Seed Store, Chicago.

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For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

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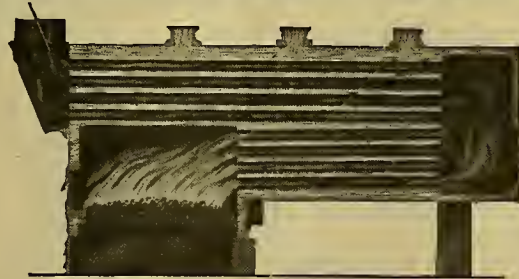
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Gentlemen: In reply to your letter of January 27th, will say that we have been using FUNGINE on lettuce for dry wilt, on roses for mildew, also on growing tomato plants. We are very much pleased with the success that we have had with it.

We use the APHINE for lice on lettuce, instead of — (a nicotine preparation) and other mixtures. We also find this to be very successful.

Kindly advise us if you put this up in barrel lots. If so, give us prices, as we will be using more and more of this FUNGINE as the season advances.

We will be glad to refer any of the Grand Rapids growers to these products.

Yours very truly,
GRAND RAPIDS GREENHOUSE CO.

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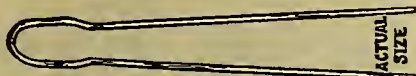
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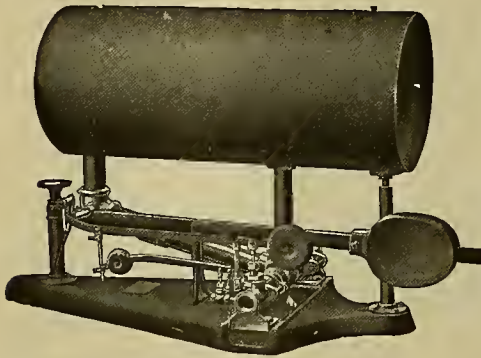
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Condensation in steam lines is akin to matter out of
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PECKY CYPRESS

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Random or Specified Widths

10 to 16 feet long.

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in this line, having been practically the first to sell to the trade. Get the value
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Pecky Cypress, because of its durability, is the only wood now being used
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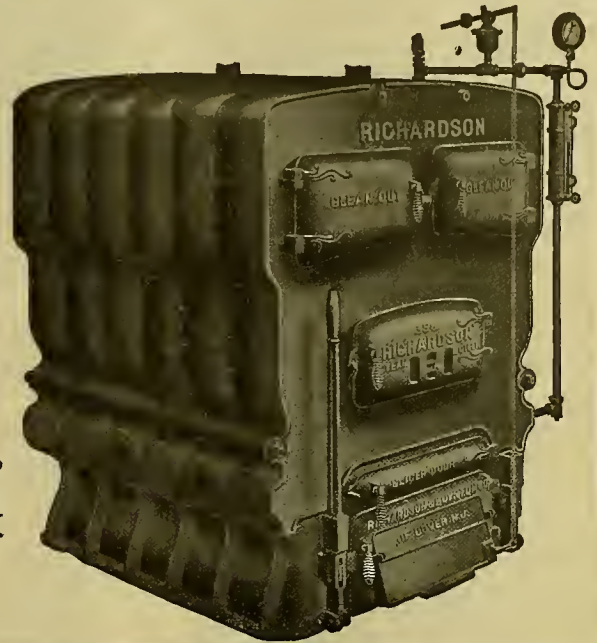
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For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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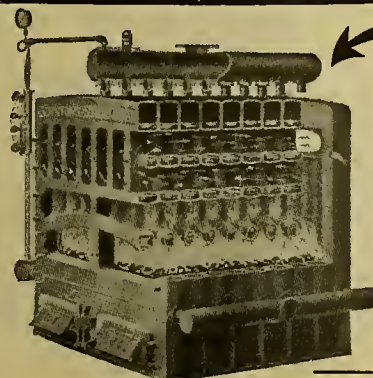
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New York { Chicago } Jersey City
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This Beautiful Lawn Vase Only \$4.90.

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price \$4.90
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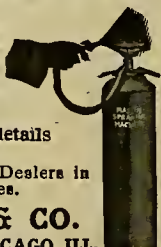
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VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

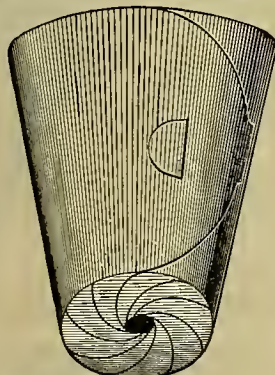
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Ask someone who is using a Standard for his opinion of it.

Write for catalogue.

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Flower & Vegetable
Waterproof
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VAUGHAN'S SEED STORE,
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Waterproof, Don't Break, Cost Little. Shippers use them and save their customers many dollars in express charges.

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SEE PAGE 434.

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Send for our new catalogue.

THE AMERICAN FLORIST



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Vol. XXXVIII.

CHICAGO AND NEW YORK, MARCH 23, 1912.

No. 1242

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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under act of March 3, 1879.

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Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

**SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.**

OFFICERS — RICHARD VINCENT, JR., White
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Annual Convention and Trade Exhibition at
Chicago, August 20-23, 1912. JOHN YOUNG, Super-
intendent, 54 West Twenty-eighth street, New York.

Gentle Annie.

The time approaches, Mr. Man, when you will take the sprinkling can and rake and spade 'and hoe, and blow yourself for sacks of seeds which will produce all kinds of weeds when they begin to grow. It is a strange, noteworthy thing that with the coming of the spring man yearns to delve the ground, to labor with the fragrant soil as Father Adam used to toil, to fuss and potter 'round. He dreams of finer cabbage heads and cucumbers and onion beds than ever man has seen, and he will raise the finest slaw and succotash, both boiled and raw, that ever wore the green. Experience might teach him that his visions will be broken flat, his garden be a fake, that all the harvest he will get will be a rippling rill of sweat, and fifty kinds of ache. But man forgets his former woes when Gentle Annie comes and blows upon her fairy pipe; once more the luscious soil he digs and plants again his thingmyjigs, his cauliflower and tripe. We've civilized the human race until there scarcely is a trace of old primeval man, save when the springtime makes us ache to tinker with the hoe and rake and spade and sprinkling can.—Walt Mason.

(Copyright, 1912, by George Matthew Adams.)

SUGGESTIONS FOR EASTER

Preparing for Easter.

Easter, the great flower day of the year, is now almost at hand and the growers and retailers must both be prepared to meet the demand that will probably tax all the ability and capacity possessed. The grower has, of course, been a long time making preparations to have the stock in the pink of condition and the retailer should also provide himself with all the necessary stock and accessories at as early a date as possible. The supplies should be procured at least two weeks before the great day, so that the energies of all the force can be expended upon finishing the product, waiting upon the trade and seeing that the deliveries are properly made and the decorations arranged in an artistic manner. The stock of baskets for plants, ribbons for decorating them and tying the flowers, paper, boxes and numberless other supplies should all be looked over and where necessary replenished. It is poor business to wait until the last minute and worry over these details which can be attended to early and take time that can be more advantageously spent with the other necessary work. There will probably be something called for, the sale of which cannot be foreseen, so it is best to get everything that it is known will be required as early as possible.

Whatever plants are to be procured should be ordered early, and wherever it is possible a visit made to the growers' houses and a personal selection made. The winter has been unusually severe and it has been very difficult in many cases to keep up the necessary temperatures, and even where the heat has been maintained the plants have been retarded, so that much will depend on the three weeks before Easter to have them in the best of condition and it will pay the buyer to look over the stock. This should be done early for the large buyers sometimes place their orders two months before Easter in order that they may be assured of the stock and of a good selection. No two plants grow alike and although as far as descriptions go they are the same, in pot, size and

bloom, yet placed side by side one may be much more valuable than the other, so there is much in selection, and it is a great advantage to anyone to go and inspect the plants in the greenhouses and to pick out the ones desired and have them held until the proper time of delivery. If baskets of plants are to be made up, and this is one of the growing features of the Easter trade, a supply of small ferns, asparagus and other greens will be necessary to properly finish them and these can be obtained at any time and be on hand when wanted. To successfully conduct a business when such a large increase for a few days is expected, it is necessary to do everything that can be done previous to the demands of the customers and at as early a date as possible.

Flowering Plants.

Easter has become a great plant day, not only for church decorations, but it has also been a growing practice with the public to make presents of blooming plants to friends at this time. First among these are the lilies which are grown by the thousands for the day. With all the disadvantages of weather and temperature which the grower has experienced this year, it looks as if the supply would be good, and it certainly ought to be, for it is comparatively easy to have lilies in bloom the first week in April. The general reports are that most of the stock is of excellent quality, the only complaint heard is that many of the *Lilium Giganteum* are quite short in length. The prices quoted, notwithstanding the increased cost of growing, are about the same as in previous years. Next to the lilies are the azaleas, and these are in very fine condition. The reports last fall were that, owing to the poor growing season in Belgium last summer the azaleas might be poor, but although the prices were slightly advanced and there was a shortage in some of the popular sizes, yet the quality seen on the market this winter compares very favorably with what has been offered in previous years. The varieties grown are those

which have attained the greatest popularity with the trade, Mme. Van der Cruyssen, Prof. Wolters, Empereur de Brazil, Niobe, Dr. Moore, Apollo, Bernard Andrea Alba, De Schryveriana and others not so well known. Bulbs are always grown in great quantities for Easter and thousands of pans of tulips, narcissi and hyacinths are annually bloomed for this great flower day. They make a gorgeous show and are emblematic of the awakening of spring which Easter symbolizes, and as they can be produced and marketed at a low price they are great favorites at this time. Lily of the valley in pans are one of the most popular Easter plants and these when well grown find a very ready sale.

Plant Baskets.

The sale of plant baskets at Easter is made as important a feature as it is at Christmas and they occupy a prominent place in the trade of the principal stores. They can be made up in beautiful combinations at this time, for there is a wealth of material for this work. The baskets can be procured at very low prices with metal pans in which the plants are placed, and by careful planning and buying, taking combinations can be put up at reasonable prices. A point that seems to be lost sight of by many growers is that in these plant baskets or boxes can be used much stock that cannot be disposed of in any other way. The most successful and careful grower of plants is sure to have some that are not perfect specimens, either growing more or less one-sided or having one part not well covered with bloom, and these can be used advantageously in their plant combinations, making the basket less expensive and at the same time getting good returns for what would otherwise be a loss. This is a line of the business which ordinarily requires a fair degree of salesmanship to properly show the advantages of these beautiful offerings, but when they are properly put up and well shown they are a valuable feature of the Easter trade.

Flowering Shrubs.

The flowering shrubs are forced in large quantities, lilacs especially being great favorites when the dwarf plants are to be obtained well covered with flowers. Both the white and purple are grown, Marie Legraye being the popular white and Charles X the purple. Wistarias are also to be seen and they make a beautiful decorative plant when well flowered, but they are among the most expensive offerings. The flowering prunus are forced by many growers and add to the great variety to be had at this season, and the metrosideros, or bottle brush, is always the cause of much comment and many inquiries by the customers if well bloomed.

The flowering plants are made very attractive, either by placing the pots in pot covers or by wrapping them in Porto Rican or raffia matting, or crepe paper, but care should be taken in the selection of colors that they are either in harmony or of decided contrasts, especially is this so with the shades of pink and red. Many plants are nicely ornamented by the use of ribbons, but here again the best of taste is required, for it is very easy to overdo this and also to injure the attractiveness of the plant by a poor selection of color.

Rambler Roses.

The rambler roses now occupy a very important place with the principal stores. The great improvement in varieties which has been made during the past few years has enabled the grower to present these beautiful plants in a great variety of colors ranging from the brightest crimson through the shades of pink to white and the Baby rambler produces a fine small plant well covered with bloom. The rambler roses are grown not only in bush form but in many grotesque shapes, being trained as ships, umbrellas and in basket form. Hydrangeas, if well bloomed, are among the most popular Easter plants and they are very decorative, either in church or residence. While these can never be grown and offered at low prices, for a plant with four to six large heads will require much valuable space for a long period, yet they last a long time in bloom and the purchasers get their full value if they will but take proper care of the plant. Spireas are one of the best low-cost plants of the time. The older varieties make a splendid show for a little money and can be used very largely in church decorations. In selling the plant or in placing it in a decoration be sure that it is well watered before it leaves the store or greenhouse. Genistas are grown in quantity for Easter and many growers have them in fancy forms, such as baskets, pillars, pyramids and balls. Another yellow flowering plant that is highly regarded in some sections is the acacia, beautifully grown specimens of these plants being displayed by the large dealers. Cyclamen in splendid shape are invariably offered for Easter and primulas, especially *P. obconica*, are grown extensively for sale at this time and many of the heaths are produced for the Easter trade. Another beautiful plant that is largely grown in the bougainvillea and splendid specimens are produced of

this showy plant and they always attract attention.

The Great Commercial Establishments.

PROMOTERS AND PIONEERS.

Paper read by J. Otto Thilow, president of the Florists' Club of Philadelphia, before the Baltimore Gardeners' and Florists' Club, March 11, 1912.

I am always pleased to look over an assembly of this kind, particularly because it is a gathering of horticulturists; it is like looking upon a bouquet of mixed roses, admiring some more than others, not because some are more attractive than others or better looking, but because they blend so beautifully. I tell you why they blend; it is because they are not all exactly alike, but their achievements are the same, and so it is with the florist and his wife and helpmeet. In no other vocation known to us is there a business or an occupation in which the husband and wife are so directly associated as in yours; and I am not saying this flatteringly; you know whereof I speak. I say the florist business appeals to the fair sex because it is in harmony with her inert nature, and because of this she seems to place herself as an important factor in her husband's business.

It may seem strange to you when I say that the first treatise on horticulture in this country was written by a woman. She was Mrs. Martha Logan, who lived in Charleston, S. C., the daughter of Robert Daniel, one of the last of the proprietary governors of that state. She was 70 years old when she wrote her treatise on gardening. She died in 1779 at the age of 77 years. Far back in the knowledge of the oldest of you, in the present days, and for the ages to come, woman has been and will be the chief admirer of your product and the one for whose especial benefit the richness and perfection of the flower is produced. It is therefore



EASTER BASKET BY W. J. SWYTH, CHICAGO.
Crimson Rambler Roses, Spirea, Hyacinths and Ferns.

nothing extraordinary why the ladies are enjoying your anniversary with you, but it would be rather remarkable if they were not.

I cannot help but refer to the influence of horticulture upon the minds of those who are disposed to follow it as a vocation. This was forcibly brought to my attention when, during last summer and prior to the convention which was held in your city, several of your number were organized as a committee to conduct the details and affairs of such a convention. They were, as I hear, assembled in a meeting when, during that time, a terrific hall storm swept over your city and demolished glass and stock amounting to thousands of dollars, and which directly affected most, if not all of these here and met them individually, men who were devoted to the trust imposed upon them. When we came instead of greeting us with tears of sorrow and remorse, they had beaming smiles and cheerful advice for every one they met. Is there anything else besides the determination to suppress the effect of the stroke caused by an accidental happening of the elements? I believe I am right when I say that the man who is abreast with nature in his daily vocation gets a touch of the dealings of the Divine, and is well aware that the world was not made for him alone, but believes that Providence has good fortune in store for him, if by patience and close application he awaits the rewards which he merits. And so it is with the man in agriculture, who depends on the soil to unlock its storehouse of food for the crops, and upon the sunlight for its warmth and evaporating power of the moisture from the fields with crops, and the clouds to replenish that evaporation, yea, one constant activity is Dame Nature, as well as untiring and restless action of him who reaps the harvest; but sometimes the harvest is meagre and losses great, yet the hope that another year the elements may be contrary and give him a return greater than looked for. So it is with us, we who in our profession are touched and guided by nature's conditions, have realized that we are dependable beings, it is possible that our submissiveness is a touch of the Supreme, He who has much to do with perfecting the plant and flower with which we have fondled and tried to improve.

But is it so with the man who is wrapped in commercial greed, his mind so concentrated in what he might make purchase through the rise in stocks, his gains are not through honest, healthful toil, but often through the downfall of some other are his coffers replenished; and when calamity does come, and perhaps heavy, then his brain broods, his mind becomes a blank, and desperation often finds the easiest course, that of suicide.

I believe that the calling or profession called horticulture reaches out for men and women who are responsive. I believe, with but few exceptions, those in horticultural pursuits are fond of it and love their work. Why is it the florist will walk through his houses every day and Sundays repeatedly? The plants have not changed their location, but he is watching how they respond to the treatment he is giving them, and should he look upon them every minute of the day they are different every time he looks.



EASTER BASKET BY W. J. SMYTH, CHICAGO.

All Yellow, Genista, Yellow Hyacinth Tied with Yellow Chiffon.

Present-day horticulture has reached a standard which would seem hard to maintain in the future years. It is imperative to have the carnation and rose, and every flower grown for utility, with long stems, rich healthy foliage, and good color, instead of using the fern leaf frond for the basket or plateau, the whole plant is imbedded in moss to give it durability. The flower and ribbon harmonize in the decoration or design, the ribbon is made in colors, bearing the name of the flower it most nearly resembles.

What did most of you say when it was announced that a sweet pea society was to be formed? Later a dahlia society, chrysanthemum and peony society, carnation and gladiolus society? Did you not think some enthusiastic connoisseur has been a little aggressive? Not so with the rose society, for she still reigns as queen.

May I call attention to the room in your armory last August, where some of the new sorts of gladiolus were staged awaiting the judges' decision to crown them with the honors which quality and distinction claimed for them, as well as the display in the large hall? Have these societies not stimulated attention to these specific classes of flowers? From the gladioli we can now get even the Philadelphia

colors, blue and yellow. And so has been the same marked advance made in the flowers in whose name like societies have been formed.

When we look around us and into our neighboring states and cities, to even beyond Chicago and St. Louis, and count the glass by the thousand acres for the present-day consuming market, flowers of higher prices as quality demands, than ever dreamed of 20 years ago. The demand of the private users of plants for the ornamental garden in perennials alone has set the world to thinking. Some of the standard varieties known to the most of you for many years, and grown in limited quantities only, in many cases are used in one private estate to a greater extent than were grown in the whole country in the days when your society was launched into existence. When we consider that not less than 25,000 species of plants are in cultivation, and each having its own requirements, there is no art probably in which the separate details are so many as in horticulture, and partly for that reason only the plant and flower lover is drawn into its ranks.

There are today, roughly estimated, 16,000 florists in the United States and doing business. These are not confined to any specific locality; they are

in the extreme north, south, east and west. Nature asserts herself in her flora wherever the sun shines, and the refreshing dews in even a dry land is as a nectar to the thirsty rootlets.

In the city of Nome, Alaska, after the first gathering of the social set, it was found to be an apology for form without the flower and decorative to give tone and color, so a glass house was built and one who had the inspiration settled himself in the business of florist, who is now supplying the needs of all social events, yea, even in that ice-bound region, if fuel can be procured, the demands of the present day will support a florist even amid the rigors of an extreme climate.

It is not possible to give any more than a superficial glance at what is going on in our country today in commercial horticulture, or what we understand directly as the florist business. In enumerating some of the large establishments (as many will be overlooked), we might glance at the probable area of glass which the florists of this country keep busy. It is roughly estimated that from 49 to 50 millions of square feet of glass is the producing area for cut flowers and plants growing. West of the Mississippi the Colorado Springs Floral Company, Valentine at Denver, and the Kellogg Flower & Plant Co., at Independence, Mo., are the largest. There are no figures as to the extent of the commercial greenhouse glass in the vicinity of Chicago. The census of 1900 gave the then area as 5,461,030 square feet, and the glass area of Illinois as 8,461,541. The largest establishment of that time was approximately 600,000 feet. In the twelve years which have elapsed the glass area may be conservatively estimated as being doubled. These latter point to the fact that where the largest concern in 1900 had 600,000 feet of glass, there now are two concerns that may be credited with from 1,250,000 to 1,500,000 feet. Therefore, the largest concern has more than doubled and the growth of one of the smaller concerns has been so great that it has passed the establishment which was largest ten years ago. All the big places in Chicago are devoted practically exclusively to roses and carnations, with such minor crops as lilies, sweet peas, bulb stock and other cut flower crops. There are only two or three moderate-sized places that are growing pot plants, such as palms and blooming stock for the holidays. A large number of the small places are largely in Boston ferns and bedding stock. Some of the veterans of today and well known in the trade are Pehlmann Bros. and Peter and George Reinberg of Chicago; Bassett & Washburn, C. C. Pollworth Co., Milwaukee; J. M. Gasser Co. of Cleveland; E. G. Hill Co., Richmond, Ind.; J. Breitmeyer's Sons, Detroit; W. J. Palmer & Son of Buffalo; J. F. Wilcox, Council Bluffs; E. H. R. Green, Dallas, Tex.; Randolph & McClements, Pittsburg; F. R. Pierson, Tarrytown, N. Y.; A. N. Pierson, Cromwell, Conn.; Julius Roehrs, Charleston Hill, N. J.; L. B. Coddington, New Providence, N. J.; H. A. Dreer, Riverton, N. J.; The Pittsburgh Rose & Carnation Co., Richard Vincent, Jr., White Marsh, Md.; Gude Bros., Washington; Bochove Bros., Kalamazoo, Mich.; Joseph Heacock, Jenkintown, Pa.; Adolph Farenwald, Roslyn, Pa.; Thomas Roland of Nahant, Mass., and

Wm. Sim of Cliftondale, Mass., and many thousand feet devoted to vegetables also. We might note that there is an even distribution the country overcomposing this great area—and many confine themselves to specialties. I will ask pardon for the many not mentioned, but not having sufficient time in gleaning in detail, I submit this to you in part only.

The modern details of one of the large establishments may interest you, with just a glance, containing 900,000 square feet of glass, 18 acres; 250 acres in cultivation and grass land, 300 employes, 100,000 roses grown for cut flowers, 700,000 grafted plants this season, 300,000 own-root roses, 1,000,000 bedding plants, 1,000,000 chrysanthemums propagated, 200,000 chrysanthemums grown for flowers, 300,000 lily of the valley yearly, 45,000 carnations in flower, 250,000 cuttings sold yearly, 150,000 lilies flowered yearly, 75,000 lilies for Easter, three 300-foot houses with hydrangeas and Baby Ramblers for Easter, 25,000 orchids, 160 cows and other stock on the farm to produce the plant food, 25 horses and four automobiles to do the work and 8,000 to 9,000 tons of coal yearly. These are the details of a place of nearly 1,000,000 feet of glass at Cromwell, Conn., of A. N. Pierson Co. This will give some conception of the extent of the producing capacity of one of the large establishments of its kind.

Then again, we turn to one of another kind, with a half-million feet of glass: 300 acres used for bedding, over one million feet of lumber for packing boxes, 160 tons of paper for wrapping plants, 6,500 tons of coal. These are the accessories to the pro-

duction of 3,500,000 ferns, 750,000 palms, 350,000 roses, in large pots; 300,000 dahlias, 150,000 perennials, and a proportionate amount of miscellaneous plants, to supply the retail catalogue demands and florist stock. You will accept this as an outline of the plant department of Henry A. Dreer, Inc., Riverton, N. J.

It would be of great interest to a gathering of florists such as the one before me at this time, to give a detailed account of many of the large establishments in our country as they are equipped today, particularly the mammoth establishments of Chicago. That which is of great interest in connection with the now vast industry, which we can grasp only in part, is the demand for so enormous an output. We at once realize that the American people are determined to beautify their homes, enhance their surroundings and decorate lavishly with cut flowers.

Do you think for one moment that the Florists' Club—your club, and all others which have been formed in our land, are not the bulwark of this advancement, is there any other organization half as portentous with even a shade of unselfishness as that which is paramount among the florists? We foster no trust, for our product is too sacred; we only apply the means and conditions and the Divine hand does the rest. Our coming together year after year in the conventions is to consider methods for the best of ourselves; no, not altogether, but for the best of every inhabitant of this free land.

We cannot and must not forget those big-hearted men and women who have figured as the pioneers, and were it not



EASTER BASKET BY C. A. SAMUELSON, CHICAGO.
Lady Gay Rose, Lily and Hydrangea in Green Basket.



EASTER BASKET BY C. A. SAMUELSON, CHICAGO.

Tausendschon Rose in Deep Green Slatted Basket Tied with Pink Ribbon.

for their intense love for their vocation would, through hard struggle and discouragements, have fallen by the way. Many of them coming from the mother country, where they had imbibed the training from the rudiments into the broad experience which enabled them to leave to us legacies from which we often draw to help us in our problems. Many of these are numbered with those who have gone beyond, and thank God for those who are still with us.

The first of the pioneers of Chicago were Samuel Brooks and Edgar Sanders. The latter built his first greenhouse in 1857 and opened his first retail store on Lake street in 1864. Following these the third establishment was that of William & Wittbold. This still is in existence as the George Wittbold Co. The oldest living florist is Andrew McAdams, who started at his present stand at Fifty-third street shortly after the civil war, and then he was miles in the country. Now the residence district extends miles beyond him.

An abbreviated list of names of our noted pioneers, whose names (though many have ceased their labors), will evoke from you memories of their activity, and to whom much of the success of the florists is due, and those who are yet with us, are ever active, and hold their ideal as their goal:

Williams Saunders	J. C. Vaughan
Charles Zeller	Geo. Such
Robert Scott	Christian Eisele
A. Breckenridge	Arthur Cowee
John Dick	Albert M. Herr
Frederick Allgeier	Chas. T. Starr
John H. Sievers	H. Papworth
Robert Craig	L. R. Taft
David Bearn	Antoine Wintzer
J. D. Carmody	D. Zirngiebel
Geo. W. Oliver	James Vick
Luther Burbank	John T. Temple
C. M. Hovey	P. J. Berckmans
J. K. M. L. Farquhar	Chas. Dingree
Wm. Falconer	Nanz & Neuner
John Westcott	Wm. F. Dreer
C. B. Whitnall	John Thorpe
W. H. Taplin	James Ritchie
J. D. Elsele	Robt. Halliday
	James Pentland

John Burton
J. R. Freeman
Wm. Swayne
Thos. Meehan
W. N. Rudd
J. A. Valentine
Geo. Wittbold
Samuel Feast
Richard Vincent
J. M. Jordan
J. Fonta
Peter Henderson
Conrad Kirchner
William Bennett
E. Asmus
Robert Bulst
R. J. Mendenhall
John R. Weir
Edwin Lonsdale
J. L. Dillon
F. R. Pierson
Wm. R. Smith
C. W. Ward
J. M. Keller
Dalledouze Bros.
Geo. A. Hehl
Alex. Waldbart

Peter McKenzie
Thos. F. Galvin
Wm. J. Stewart
J. W. Colflesh
F. Hahman
Thos. Roland
Peter Bissett
John G. Esler
E. V. Hallock
A. M. Murdock
Frederick Dornier
Geo. Anderson
Patrick O'Mara
J. F. Cowell
Wm. Scott
L. L. Lamborn
W. K. Harris
Thos. Cartledge
L. H. Bailey
E. G. Hill
John Birnie
W. W. Tracey
J. T. Anthony
Peter Fisher
Louis Menard
L. E. Marquise

and a great host of others, many obscure in the public eye, yet active and

vigilant in promoting their much loved profession. We pay tribute to many who in private life have enjoyed horticulture, and spent much of their wealth to promote the taste, viz: Hunnewell, Shaw, Dana, Egan, Frick, Busch, Sargent and others. Now, my friends, I cannot close without referring to one who is dear to you, and of whom you are justly proud. Were we to enumerate the great work and the long list of roses which have brought into the hands of those who have handled them untold wealth, we would present an exemplar whose great work many would be proud to imitate—a man modest and unassuming, but so thoroughly wrapped up in his art and profession that he forgets himself and still permits his nimble fingers to continue in the almost secret art, to produce perfection in new things, as all of his productions have been. Born in Freiburg, Germany, 1833, the birth-place of my dear mother, came to America at the age of 20, remained in New York but two years, then coming to Baltimore where he has been since. What he has done for horticulture I need not tell. I congratulate the Baltimore club upon having among them one who stands at the zenith of horticultural masters. I refer to our good old friend, John Cook.

Fertilizing Lawns.

ED. AMERICAN FLORIST:—

I want to replenish a large lawn which has given a great deal of trouble and desire to use sulphate of potash, acid phosphate and sulphate of ammonia. Would it be advisable to rake the lawn thoroughly and then apply the fertilizer before sowing the seed, or should the seed be sown and the fertilizer applied after it had germinated? L. E. Ohio.

If it is desired to treat the lawn soil chemically with the fertilizers named, and it may be necessary, they should be put on before the seed is sown that they may be washed into the soil some time before. It would be well even to sow on the snow or directly after its disappearance. There would surely be injury to the tender grass even if not the seed itself, if sown later. We have sowed many tons of bone this winter and even with this we like the first chemical change to take place before contact with the sod, so it is sown on the snow. The chemicals named would be much stronger and liable to burn unless distributed with a machine on the lawn.

Reseeding may be done as soon as possible after the sod has dried out, raking with iron rakes to stir the surface, then mix the seed with half-dry loam and half-pulverized sheep manure and sow broadcast. It is better, however, to use the "Velvetlawn" seeder, going over the lawn both ways and then spread the loam and manure, the seeder does good work and will pay for itself the first season by the saving of seed and its even distribution where large areas are to be cared for. E. O. ORPET.

CHESTNUT HILL, PA.—Myers & Samtman have placed an order with the Lord & Burnham Co. for the erection of an iron frame house, 55 feet 7½ inches by 300 feet.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Spring Floral Arrangement.

It sounds, perhaps paradoxical to say that white gives color. But take a pot of pink hyacinths and another of red tulips and put in between them a plant of a large white primrose, and you can then decide whether color is gained or lost. Use this combination in three rows in a long basket or box, adding low ferns as a finish. This can be used to advantage in any private house and is most appropriate and charming where there are large mirrors that come down to the floor. In foyers of theaters or in lobbies the



Bride's Bouquet of Lily of the Valley.

box can be extended and used where gilded mirrors are well in place. This idea for boxes will give an indescribable brightness and springtime cheer to dark places which are to be decorated or to dimly lighted places. Care should be exercised not to crowd the boxes or baskets. A couple of pots of white primroses, a plant or two of crimson, and perhaps a little blue flower; these with the green leaves would be quite sufficient. White weakens color when in a vase or in anything where there is a little dab of one color and then an atom of white. Then there can be no real color, nothing but mud-diness which should be avoided.

The latest Parisian craze in flowers is the use made of green in everything and the immense effect thus produced. In the Easter baskets there is a lot of green and moss and perhaps but two plants in flower. Setting off one

gem is far more the fashion than crowding which causes them to detract from each other's beauty. Each flower is thus allowed to be distinct. Things are on a large scale, one passes under a flower vase often in going to dinner—a tall vase on a side table, with really gigantic flowers, lilies, lilacs, with great roses and with such large green leaves that it gives the place an oriental and beautiful strangeness. Of course, all things of this kind must suit the room in which they are placed.

The best idea now in arranging vases of flowers is to show each flower separately,—let each flower repose quietly and calmly upon a bed of green, which is after all the natural view of flowers.

A pretty fashion for bouquets is the kind of fern-shaped spray of green down the bouquet between each little group of flowers. Take five or six separate bunches of green, arranged first separately—some fern, for example, or sprays of rose leaves, and then these sprays are fastened to the center, one after each little group of sweet peas or violets. The effect is exceedingly good, and all delicate foliage is exquisite for this purpose. Small pink rose buds combined with lily of the valley are pretty in this arrangement and so are cornflowers.

For a table center piece *Selaginella denticulata*, commonly known as lycopodium, raised in the center and combined with red roses and *freesia* is very effective. A. E. KLUNDER.

Bride's Arm Bunch.

A medium priced bridal bouquet is often desired by the customer and yet to be made of the more expensive flowers, and a bunch to be carried in the hollow of the arm can be arranged very artistically and not many flowers be used in its construction. The Louis XIV bridal bunch, which we illustrate, is a striking example of such an arrangement and is one of the beautiful pieces of work of George M. Geraghty, manager of Dunlop's, Toronto, Ont., Can. This bunch was made of white roses with a few sprays of lily of the valley intermingled, arranged loosely with *Asparagus plumosus* to give it a lighter appearance, tied with a satin ribbon with a bow of chiffon, the showers are sprays of swainsona tied with baby ribbon and it is a very effective arrangement which can be made at a moderate price.

In using roses in such an arrangement all the thorns should be removed or damage to the trousseau may result or the painful prick of a thorn may be the cause of an agonized moment to the bride. The size of such a bunch will sometimes be dependent on the stature of the bride, as will also the length of the bows and ends of the ribbons. A petite bride would look overflowered with a bunch that would be of appropriate size for one of larger proportions, and these small details are very often the features that give all floral effects the proper finish. A bunch similar to this can, of course, be made much more elaborate by using a larger quantity or more expensive flowers, as there is no limit to the arrangement, but it can also be made at a moderate price and be very effective.

SPRINGFIELD, MASS.—Terrence F. Sheehan has opened a store at 145 State street and will conduct a general florist business.



BRIDE'S ARM BUNCH

A New Break in Begonias.

The introduction of *B. socotrana* in the eighties of last century was taken advantage of by the hybridist, and numerous varieties have since then been raised therefrom. Of hybrids between *Begonia socotrana* and the tuberous-rooted section the first was John Heal, which flowered in 1883. According to "Hortus Veitchi" only a single plant of this particular cross was obtained, and from that all those now in cultivation were derived. This variety was distributed in 1885. After the advent of John Heal a number of other varieties were raised, some with single, and others with semi-double blossoms, many of which are now exceedingly popular. Practically all of these have flowers of a carmine, scarlet, or rosy-carmine tint. It was, therefore, somewhat of a surprise, at the meeting of the Royal Horticultural Society, on November 7, to see three distinct varieties shown by J. Veitch and Son.

These varieties were obtained by the

intercrossing of *B. socotrana* with a yellow-flowered variety of the tuberous-rooted class. This latter color was present to a greater or lesser extent in the flowers of each of these shown, while in addition the plants differed from the *socotrana* hybrids already in cultivation by their branching, sturdy habit, and particularly in the large size of the flowers. In this respect they were the equal of a good tuberous-rooted kind. The three varieties shown were Acquisition, pink, with an orange suffusion; Exquisite, deep pink, shaded with carmine towards the edges of the petals, and the centre of the flower lit up with orange; Her Majesty, warm orange, with a reddish tinge, especially at the edges. Such subtle tints are difficult to describe, and it is rare to find two who see eye to eye in such matters. There can, however, be no difference of opinion that these distinct and beautiful varieties are a decided acquisition for winter decorations.—The Gardeners' Magazine.

stairs and along the balcony on the right. This exhibit contained fine specimens of palms, dracænas and other decorative plants and cinerarias, cyclamen, and large quantities of bulbous stock. On the left balcony was a similar display from Lincoln Park. The balcony in front was covered with lilies, and the ceiling was hung with southern smilax. The effect upon entering was very beautiful. Back of the lilies was the orchestra which furnished a musical programme every afternoon and evening. At the other end of the balcony was a large display of blooming and decorative plants exhibited by Frank Oechslin, which contained marguerites, cyclamen, cinerarias, azaleas, rhododendrons, genistas, and pans of bulbous flowers backed and interspersed with palms, dracænas and ferns.

The prizes for flowering plants brought forth some keen competition from F. Oechslin, N. W. Harris, Peter Schilt, gardener for Kenneth Barnhart, R. J. Southerton, Fritz Bahr, Vaughan's Seed Store and J. Wolneiwicz. Frank Oechslin was the winner with azaleas with finely bloomed plants. The *Cineraria stellata* exhibited by N. W. Harris were beautiful plants of a splendid strain, the colors being exceptionally bright and of good form and the plants large and well grown. R. J. Southerton showed large cyclamen full of flowers and the prize for *Primula obconia* was closely contested by Peter Schilt, J. Wolneiwicz and Frank Oechslin, all three showing splendidly grown plants of the highest quality, the former winning. Fritz Bahr showed well bloomed plants of ericas. Vaughan's Seed Store were the winners in the rhododendrons with finely bloomed plants. The bulbous plants were a grand display of hyacinths, tulips and narcissi, the exhibitors being Frank Oechslin, August Jurgens, Fritz Bahr and E. G. Uihlein, and all displayed stock of excellent merit. F. Oechslin was the winner in hyacinths, showing finely grown pans

THE FIRST CHICAGO SPRING SHOW.

The Closing Report.

The first spring flower show ever held by the Horticultural Society of Chicago was opened at the Art Institute on Michigan avenue Tuesday, March 12, and continued through the week until Sunday, March 17, a preliminary report of the first two days appearing in our last issue. The Art Institute is open to the public on Wednesdays, Saturdays and Sundays, and on those three days of the exhibition the building was crowded with residents of the city, the attendance being so large on Sunday that guards were stationed at the doors of the room in which the roses were displayed denying admittance to more until some had passed out of the other side, and allowing them to enter only in single file. The attendance on the pay days, when the admission was 50 cents, was also very gratifying, considering that on three of the six days admission was free, the regular price for admission to the Institute on those days being but 25 cents. The total attendance amounted to over 47,000, the record for the several days being: Tuesday, 1,602; Wednesday, 9,022; Thursday, 3,109; Friday, a very stormy day, 1,888; Saturday, 14,171; Sunday, 17,406.

It being the first time the society had ever attempted a show in the spring the management was at a loss to know for what to prepare, but the growers responded manfully with plants and flowers that filled many of the rooms of the upper floor, and under the able direction of George Asmus the exhibitors arranged the displays in an admirable manner. The exhibits were rearranged each day, which, although it entailed considerable labor, yet gave the exhibit a different appearance to the patrons from day to day. While the building in many ways is not adapted to the holding of a flower show yet the beautiful architecture and the paintings, statuary and sculpture made a splendid setting for the plants and flowers. The adaptability of the halls provoked much discussion, many saying that the pictures and statuary took interest from the flowers, while others could not but ad-

mire the beautiful backgrounds. As one of the successful floral decorators remarked, "What a beautiful setting for these plants and flowers!" The great objection, however, was the dividing the exhibit up into such small lots, by which the entity of the show was lost on the observer, and the size of the whole exhibition was not fully appreciated by many of the patrons.

The Exhibition.

Upon entering the doors of the building on the main stairway, rising to the upper floor where the exhibition was held, was a large display of magnificent blooming and decorative plants from the West Parks which continued up the several flights of



CHICAGO SPRING FLOWER SHOW.

The Fine Plant Display of Frank Oechslin, Chicago.



CHICAGO SPRING FLOWER SHOW.

First Prize 100 American Beauty Roses Exhibited by Poehlmann Bros. Co., Morton Grove, Ill.

of Grand Maitre, L. Innocence, Gert-rude, Moreno and Queen of the Blues. The contest in tulips was very close, both F. Oechslein and A. Jurgens displaying beautiful pots of the bright flowers; particularly noticeable being *Coleur Cardinal* and *Mon Tresor*. In narcissi these two exhibitors found a worthy rival in Fritz Bahr and each got a share of the awards. The lily of the valley shown by H. N. Bruns were beautiful pots and an exhibit of amaryllis by E. G. Uihlein attracted considerable attention, the former being very large and of bright and varied colors. Poehlmann Bros. Co. were the winners in the Easter lily classes, receiving a silver medal. John Lewis Childs, Floral Park, N. Y., exhibited *Richardia Elliottiana*, the yellow calla, in pots and John Reardon, Iowa State College, Ames, Ia., showed cut blooms of the same flower.

Ferns.

The premiums for ferns were contested by many exhibitors, prominent being F. R. Pierson Co., Tarrytown, N. Y.; Peter Schilt, Vaughan's Seed Store, Schiller, and N. W. Harris. F. R. Pierson Co. showed some large specimens of *nephrolepis*, the display of the original Boston fern with 13 of its progeny or sports being a very interesting exhibit. This contained specimens of *N. Bostoniensis*, *N. elegantissima*, *N. Peirsoni*, *N. Muscosa*, *N. viridissima*, *N. Giatrasui*, *N. Whitmani*, *N. elegantissima compacta*, *N. superbissima*, *N. Harrisii*, *N. magnifica*, *N. Scholzei* and *N. Scottii*. This firm was also winner in many classes for specimens of the several varieties of the *nephrolepis* family. Peter Schilt captured first of *N. Bostoniensis* and N. Whitmani. Schiller was first for *Cibotium Schiedeii* and N. W. Harris

for Stag Horn fern. Vaughan's Seed Store won first in crotons. E. G. Uihlein for palms and Schiller for best basket of plants. A display of orchids by E. G. Uihlein contained many valuable plants including *Vanda cerulea* and tricolor in variety, *cattleyas*, *cyripedium* and a hybrid *cattleya C. gigas X Laelia purpurea*, a very beautiful bloom. Frank Smith's Son of Danville made an exhibit of well-grown flowering plants that included *primulas*, *cinerarias*, *cyclamens*, *calceolarias*, *metrosideros* and *pansies*.

Pot Roses.

In the east room were displayed the rambler and other pot roses, where Vaughan's Seed Store made a large display of these beautiful plants, winning all the premiums in these classes. The large collection covering not less than 100 square feet, contained finely grown specimens of the older varieties as well as the novelties, splendid plants of *Crimson Rambler*, *Dorothy Perkins*, *Tausendschon*, *Wartburg*, *Newport Fairy*, *White Dorothy Perkins*, *Hiawatha* and the baby rambler, *Jessie*, *Phyllis* and *Baby Rambler*. This firm was also the winner in the single specimens, showing well-grown plants of *Lady Gay*, *Tausendschon*, *Hiawatha* and a plant of *Vielchenblau*, the celebrated blue rose.

Roses and Carnations.

There were not many cut flowers exhibited the first day but a magnificent table of cut *Cattleya Trianae* and *C. Schroederæ* displayed by Charles Bond of Naperville and a large display of sweet peas and pansies from William Sim, Cliftondale, Mass., of the highest quality were both awarded a grand silver medal.

Thursday was rose day and a gor-

geous display of the queen of flowers greeted the visitor in the east room. Poehlmann Bros. Co., Wieter Bros. and Peter Reinberg all showed magnificent roses of the popular and standard varieties. Poehlmann Bros. Co. made a clean sweep of all the first prizes winning first in American Beauties, Killarney, White Killarney, Richmond, as well as in the novelties, Dark Pink Killarney (Mrs. Roosevelt), Double Pink Killarney, Mrs. Aaron Ward, Prince de Bulgarie (Mrs. Taft), and Melody. These roses were certainly as fine specimens as one is often privileged to see, but they were closely pushed by the other exhibitors, Wieter Bros. scoring second on American Beauty, Killarney and White Killarney with splendid blooms, and Peter Reinberg was awarded second on Richmond. Bassett & Washburn made a fine display of an assortment of roses of standard varieties that were nicely arranged but not entered for competition. The Metairie Ridge Nursery of New Orleans, La., exhibited an assortment of well-grown roses on Monday, that were of fine quality, as Harry Papworth said to show what could be done in the south. W. E. Trimble of Princeton showed roses of Killarney and White Killarney of good quality. E. G. Hill Co. showed the new rose, Sunburst, which attracted a great deal of attention.

The devotees of the "Divine Flower" took possession of the floor on Friday and a great display of carnations was staged by exhibitors from all over the western country, the principal exhibitors being Chicago Carnation Co., Mt. Greenwood Cemetery Association, Poehlmann Bros. Co., Wieter Bros., W. J. & M. S. Vesey, Fort Wayne, Ind.; C. H. Totty, Madison N. J.; E. G. Hill Co. and F. H. Lemon &

Co., Richmond, Ind.; Northwestern Floral Co., Grosse Point; Riverbank Greenhouse, Geneva; C. C. Pollworth Co., Milwaukee, Wis.; Richard Witterstaetter, Cincinnati, O.; H. J. Symonds, Decorah, Iowa, and Mrs. Deere (Arvid Anderson, gardener), Moline. The class for 100 white brought 14 exhibitors which included elegant vases of Wodenethe, Alma Ward, White Enchantress and White Perfection. E. G. Hill Co. and C. H. Totty winning first and second, respectively, with the new white Wodenethe, and C. C. Pollworth Co. third with Alma Ward, the old standard varieties being left at the post by the new comers. In flesh pink another novelty won first, Richard Witterstaetter receiving the blue ribbon on Pres. J. A. Valentine, Princess Charming taking second for the Chicago Carnation Co. and Pink Delight, by E. G. Hill Co., third. Enchantress was shown in good form but could not win. Gloriosa was shown by Mt. Greenwood Cemetery Association and E. G. Hill Co. and they both showed splendid blooms.

Mrs. C. W. Ward was the winner of all the premiums in light pink, Mt. Greenwood Cemetery Association winning first. Rose Pink Enchantress and Winsor were starters but did not finish. In the dark pinks another novelty was first. Washington entirely outclassed Mrs. Thomas W. Lawson. The scarlets were a close contest, Beacon, Scarlet Glow, Victory, Herald and a seedling having a close race, the Beacon shown by E. G. Hill Co. winning first with Scarlet Glow from the Chicago Carnation Co. and Poehlmann Bros. Co. second and third, respectively. Baur & Steinkamp exhibited a fine vase of their new scarlet St. Nicholas on Friday and this looks as if it would give all the scarlets a good race. Two new ones were shown in the variegated class, both under number, the Mount Greenwood Cemetery Association winning first with No. 4405 A.

The seedling classes produced some very meritorious varieties, particularly noticeable being a large dark pink, No. 150, which was shown by the Chicago Carnation Co. and awarded the sweepstake prize, and Commodore, a

bright scarlet exhibited by E. G. Hill Co., Wodenethe, captured both prizes in the white.

Miscellaneous Classes.

Sweet peas, violets and other cut flowers were the attraction on Friday and the exhibitors of these flowers staged very fine blooms. Frank Felke, Wilmette, and Poehlmann Bros. Co. were the winners in sweet peas, the Mt. Greenwood Cemetery Association in antirrhinums, H. N. Bruns in lily of the valley and Poehlmann Bros. Co. with extra fine mignonette. The Des Plaines Violet Co. was first with fine double violets and Loeffler & Benke of Watertown, Wis., were first with the single variety. Hunt Bros. of Park Ridge made a fine display of cut flowers including antirrhinum, stocks, mignonette, calendulas and sweet peas.

The judges had three strenuous days and many knotty problems to solve that tested their ability, but their decisions were all accepted as final and with good grace by the earnest exhibitors. The executive board of the Society of American Florists being in the city they officiated in that capacity. They were Richard Vincent, Jr., president, White Marsh, Md.; John Young, New York; Robert Craig, Philadelphia, Pa.; Harry A. Bunyard, New York; Charles H. Totty, Madison, N. J.; E. Allan Peirce, Waltham, Mass., and John A. Evans, Richmond, Ind., assisted the first day by E. O. Orpet, Lake Forest Ill.

The Retailers.

An opportunity that was lost was presented to the retailers of the city at this show. Here were small rooms that were beautiful in themselves, which, with a little artistic taste, might have been made beautiful with floral decorations and the 47,000 visitors might have been shown not only what beautiful flowers and plants are grown, but how beautifully they can be arranged in a drawing room. Here was an opportunity to place before 50,000 flower lovers the best in floral ideas and, at the prices at which flowers were sold during the week, at a very small price in comparison with

the advertisement which it would produce. These small rooms hung with beautiful paintings and furnished as beautifully would have made just the setting that an artist would have desired to decorate in the best of taste, but the opportunity was unfortunately allowed to slip by, and the large assemblage which any dealer would gladly pay a large sum to have inspect his work saw but a small attempt at any floral work. Schiller made a large exhibit of plants and some artistic work, a bridal muff of lily of the valley and sweet peas, a bridal bouquet of white roses and showers of lily of the valley and a well-arranged basket of roses were artistically made and their exhibit was crowded all the time. The E. Weinhoeber Co. occupied another room and exhibited a table of spring flowers in French pottery, a basket of roses and decorative plants. John Mangel arranged two baskets of roses that were in the large gallery and the Bohannon Floral Co. showed a large basket of beautiful White Killarney roses. This was all that the enterprising retailers did for this show which meant so much to the trade and business of the city.

During the evenings of the show lectures were delivered in Fullerton hall illustrated with stereopticon views by W. N. Rudd on "The Planting of Home Grounds," and by Prof. H. B. Dörner of the University of Illinois on "The Planting and Care of City and Suburban Lots." On Sunday afternoon, March 17, President Vincent of the Society of American Florists gave an address on "European Nurseries, Flower Markets and Exhibitions," which was also illustrated with stereopticon views. The lectures were all attended by an interested audience.

The Awards.

Flowering Plants—Miscellaneous.

Azalea Indica, best specimen plant, pink or rose—F. Oechsli, Chicago, first.
 Begonia, flowering, best six plants—N. W. Harris, Lake Geneva, Wis., first and second.
 Chieraria stellata, best six plants—N. W. Harris, first; Peter Schilt, second.
 Cyclamen, best 10 plants, not less than 8-inch pots—F. Oechsli, first; R. J. Southerton, Highland Park, Ill., second.
 Cyclamen, best specimen plant, not less than 8-inch pot—R. J. Southerton, first.



CHICAGO SPRING FLOWER SHOW.

First Prize Lily of the Valley, Exhibited by H. N. Bruns, Chicago.



CHICAGO SPRING FLOWER SHOW.

White Killarney Roses Exhibited by Wietor Bros., Chicago.

Ericas, best six plants, not less than three varieties—Fritz Bahr, Highland Park, Ill., first.
Ericas, best, any species, best specimen plant—Fritz Bahr, first.

Rhododendrons, best six plants, not less than three varieties—Vaughan's Seed Store, Chicago, first.

Rhododendrons, best plant, any color—Vaughan's Seed Store, first.

Primula kewensis, best six plants—Fritz Bahr, second.
Primula obconica, grandiflora or gigantea in variety, best 12 plants—Peter Schilt, Evanston, Ill., first; J. Wólniewicz, Chicago, second; F. Oechslin, third.

Any other primrose, best six plants—Vaughan's Seed Store, first.

One specimen flowering plant, other than above—Peter Schilt, first; Fritz Bahr, second.
Lily of the valley, best 12 pans, 25 to a pan—H. N. Bruns, Chicago, first; Aug. Jurgens, Chicago, second.

Best 4-foot window box filled with vines, foliage and flowering plants—N. W. Harris, first.

Flowering Plants—Bulbs.

Hyacinths, best six 10-inch pans, distinct varieties—F. Oechslin, first.

Hyacinths, best three 10-inch pans, white—F. Oechslin, first; A. Jurgens, second.

Hyacinths, best three 10-inch pans, pink or red—F. Oechslin, first.

Hyacinths, best three 10-inch pans, light blue—F. Oechslin, first; A. Jurgens, second.

Hyacinths, best three 10-inch pans, dark blue—F. Oechslin, first; A. Jurgens, second.

Hyacinths, best 50 single pots, not less than 10 varieties—E. G. Uihlein, Chicago, first.

Best 20 Easter lilies, one bulb to pot—Poehlmann Bros. Co., Morton Grove, first; A. Jurgens, second.

Best 20 Easter lilies, one bulb to pot—Poehlmann Bros. Co., first, silver medal.

Narcissus, large Trumpet, six 10-inch pans, in six varieties—A. Jurgens, second.

Narcissus, best three 10-inch pans, Empress—Fritz Bahr, first; A. Jurgens, second.

Narcissus, best three 10-inch pans, Emperor—A. Jurgens, second.

Narcissus, best three 10-inch pans, Golden Spur—A. Jurgens, first; F. Oechslin, second; Fritz Bahr, third.

Narcissus, best three 10-inch pans, Double Von Slon—F. Oechslin, first; Fritz Bahr, second.

Narcissus, best three 10-inch pans, any other double—Fritz Bahr, second.

Tulips, early single, best three 10-inch pans, white—F. Oechslin, first.

Tulips, early single, best three 10-inch pans, pink—A. Jurgens, first.

Tulips, early single, best three 10-inch pans, scarlet or crimson—F. Oechslin, first; A. Jurgens, second.

Tulips, early single, best three 10-inch pans, yellow—F. Oechslin, first; A. Jurgens, second.

Tulips, early single, best three 10-inch pans, not less than three varieties any other color—A. Jurgens, first.

Tulips, early double, best three 10-inch pans, not less than three varieties—F. Oechslin, first.

Miscellaneous spring bulbs and tubers other than above, best collection—E. G. Uihlein, first.

Orchids, collection, to cover not less than 50 square feet—E. G. Uihlein, first.

Flowering Plants—Roses.

Best display in pots or tubs, any or all classes not less than eight varieties, to occupy not less than 100 square feet, arranged for effect—Vaughan's Seed Store, first.

Best six climbing, or rambling, three or more varieties—Vaughan's Seed Store, first.

Best Lady Gay, specimen plant—Vaughan's Seed Store, first.

Best Tausendschon, specimen plant—Vaughan's Seed Store, first.

Best Hiawatha, specimen—Vaughan's Seed Store, first.

Best climbing, any other variety, specimen—Vaughan's Seed Store, first.

One specimen rose plant, any variety—Vaughan's Seed Store, first, silver medal.

Ferns.

Adiantum, best specimen, any variety—Peter Schilt, first; Vaughan's Seed Store, second.

Chytium Schiedel, best specimen—Schiller, Chicago, first.

Nephrolepis exaltata and its varieties, best display, one of each, pots not to exceed eight inches in diameter—F. R. Pierson Co., Tarrytown, N. Y., first.

Nephrolepis Bostoniensis, best specimen—Pe-

ter Schilt, first; F. R. Pierson Co., second; Vaughan's Seed Store, third.

Nephrolepis Scottii, best specimen—F. R. Pierson Co., first.

Nephrolepis, best specimen—F. R. Pierson Co., first.

Nephrolepis Piersoni elegantissima, best specimen—F. R. Pierson Co., first.

Nephrolepis Whitmani, best specimen—Peter Schilt, first.

Nephrolepis, best specimen any other variety—F. R. Pierson Co., 1st, silver medal.

Stag Horn fern, best specimen, any variety—N. W. Harris, first.

Palms and Foliage Plants.

One specimen palm, any variety, size to be considered—E. G. Uihlein, first; Vaughan's Seed Store, second.

Crotons, 15 plants in varieties, in not over 6-inch pot—Vaughan's Seed Store, first.

Crotons, best six plants, six varieties—Vaughan's Seed Store, first.

Basket or hamper of plants—Schiller, first; E. G. Uihlein, second.

Roses.

Best 100 American Beauty—Poehlmann Bros. Co., first; Wietor Bros., Chicago, second.

Best 100 Killarney—Poehlmann Bros. Co., first; Wietor Bros., second.

Best 100 White Killarney—Poehlmann Bros. Co., first; Wietor Bros., second.

Best 100 Dark Pink Killarney—Poehlmann Bros. Co., first.

Best 100 Double Pink Killarney—Poehlmann Bros. Co., first.

Best 100 Mrs. Aaron Ward—Poehlmann Bros. Co., first.

Best 100 Prince of Bulgaria—Poehlmann Bros. Co., first.

Best 100 Melody—Poehlmann Bros. Co., first.

Best 100 Richmond—Poehlmann Bros. Co., first; Peter Reinberg, second.

Best new rose, not disseminated, scoring 85 points, certificate of merit—E. G. Hill on Sunburst; Poehlmann Bros. Co., on Double White Killarney.

Carnations.

Best 100 blooms, white—E. G. Hill Co., Richmond, Ind., first, with Wodenethu; Charles H.

Totty, Madison, N. J., second, with Wodenethe; C. C. Pollworth Co., Milwaukee, Wis., third; with Alma Ward.

Best 100 blooms, flesh pink—R. Witterstaetter, Cincinnati, first, with Pres. J. A. Valenteo; Chicago Carnation Co., Joliet, Ill., second, with Princess Charming; E. G. Hill Co., third, with Pink Delight.

Best 100 blooms, light pink—Mt. Greenwood Cemetery Association, Morgan Park, first, with Mrs. C. W. Ward; Poehlmann Bros. Co., second, with Mrs. C. W. Ward; C. C. Pollworth Co., third, with Mrs. C. W. Ward.

Best 100 blooms, dark pink—Chicago Carnation Co., first, with Washington; Victor Bros., second, with Mrs. Thomas W. Lawson; Poehlmann Bros. Co., third, with Mrs. T. W. Lawson.

Best 100 blooms, red or scarlet—E. G. Hill Co., first, with Beacon; Chicago Carnation Co., second, with Scarlet Glow; Poehlmann Bros. Co., third, with Scarlet Glow.

Best 100 blooms, white variegated—Mt. Greenwood Cemetery Association, first, with No. 4405 A; Chicago Carnation Co., second, with No. 94.

Seedlings Not Disseminated.

Best 25, white—E. G. Hill Co., first, with Wodenethe; Chas. H. Totty, second, with Wodenethe.

Best 25, flesh pink—Chicago Carnation Co., first, with No. 78.

Best 25, dark pink—Chicago Carnation Co., first, with No. 150.

Best 25, red or scarlet—E. G. Hill Co., Bronze Medal, with Commodore.

Sweepstakes. Best seedling carnation entered in above classes, excluding such varieties as have been exhibited previous to this season, a silver cup valued at \$25.00, Chicago Carnation Co. with 150.

Sweet Peas.

Best 100 blooms, white—Frank Felke, first.

Best 100 blooms, pink and white—Frank Felke, first.

Best 100 blooms, light pink or salmon—Poehlmann Bros. Co., first.

Best 100 blooms, lavender—Frank Felke, first.

Best 100, any other color, Poehlmann Bros. Co., first; Poehlmann Bros. Co., second.

Best display of sweet peas—Poehlmann Bros. Co., first and second, silver and bronze medals.

Miscellaneous.

Best 50 spikes mignonette—Poehlmann Bros. Co., first.

Best 250 lily of the valley—H. N. Bruce, first.

Best 25 spikes antirrhinum, white—Mt. Greenwood Cemetery Association, first.

Best 25 spikes antirrhinum, yellow—Mt. Greenwood Cemetery Association, first.

Best 25 spikes antirrhinum, any other color—Mt. Greenwood Cemetery Association, first and second.

Best violet, bunch of 100, double—Des Plaines Violet Co., Des Plaines, Ill., first; Toeffler & Bauke, Watertown, Wis., second.

Best violets, bunch of 100, single—Toeffler & Bauke, first; Chas. McCauley, second.

Special Premiums.

Display of cut cactileys—Chas. Bond, Naperville, Ill., grand silver medal.

Display of pansies and sweet peas—William Sim, Cliftondale, Mass., grand silver medal.

Display illustrating model garden and shrubbery arrangements—H. J. Stockmans, grand silver medal.

Display of roses—Metairie Ridge Nursery Co., New Orleans, La., special premium.

Visitors.

The following were noted in addition to those recorded last week:

Ed. Amerpohl, Jenesville, Wis.

Arvid Anderson, Moline, Ill.

John Bather, Clinton, Ia.

Joha Bertermaon, Indianapolis, Ind.

Mrs. A. W. Brandt, Indianapolis, Ind.

Geo. F. Crabb, Grand Rapids, Mich.

Joha J. De Borous, Duluth, Minn.

Geo. J. Diekel, Springfield, Ill.

F. A. Forbes, Plymouth, Ind.

John Forrer, Supt. of Parks, LaCrosse, Wis.

Wm. Foster, Council Bluffs, Ia.

A. L. Glaser, Dubuque, Ia.

Miss Kate Harris, Memphis, Tenn.

F. W. Herleman, Milwaukee, Wis.

Mrs. Edith Hill, Geneseo, Ill.

Mrs. J. S. Hunchliffe, Racine, Wis.

H. W. Illeborger, Lake Geneva, Wis.

H. R. Ivens, Cleveland, O.

Geo. H. Jennings, Princeton, Ill.

A. Johnson, Lake Geneva, Wis.

J. L. Johnson and wife, De Kalb, Ill.

Joha E. Jones, Richmond, Ind.

E. H. Kemble, Oskaloosa, Ia.

W. H. Kennedy, Milwaukee, Wis.

Frank Kuchne, Lake Geneva, Wis.

Wm. P. Loveland, Lake Geneva, Wis.

Misses Loveridge, Peoria, Ill.

W. P. Manke and wife, North Milwaukee, Wis.

A. Martini, Lake Geneva, Wis.

Miss Dora F. Meredith, Springfield, Ill.

John Mollath, Denver, Colo.

Victor Morgan, Rutherford, N. J.

F. G. Pearson, Moline, Ill.

Arthur Peterson, Escanaba, Mich.

C. C. Pollworth and wife, Milwaukee, Wis.

John Rindfleisch, Beloit, Wis.

Gust Rusch, Milwaukee, Wis.

A. D. Smith, Lake Geneva, Wis.

Henry Smith, Grand Rapids, Mich.

Robert A. Smyth, Benton Harbor, Mich.

Albert Suederbruch, Cincinnati, O.

W. T. Symonds, Decorah, Ia.

Miss J. C. Thom, Memphis, Tenn.

W. E. Trimble, Princeton, Ill.

E. L. Van Akeo, Coldwater, Mich.

W. J. Vesey, Jr., Fort Wayne, Ind.

Miss Ida Vogel, Springfield, Ill.

J. F. Wilcox, Council Bluffs, Ia.

R. Witterstaetter, Cincinnati, O.

Mole Crickets.

ED. AMERICAN FLORIST:—

We forward you insects which are very destructive in Florida, working under ground viciously and destroy roots, also seeds germinating. Can you inform us what they are? Is there any remedy?

The insects forwarded are the changa or mole cricket (*Scapteriscus didactylus*) which is a most serious insect pest that the Porto Rican agriculturist has had to deal with, attacking tobacco, cane and small crops. It usually attacks the plant at the crown or junction of the stem and roots, but the whole root system and a good part of the stem are frequently devoured. In eating the stem it often remains below the ground and pulls the plant down as fast as it devours it; thus a plant four inches in height may appear only one or two inches high in the morning. The young seldom leave the ground but the adults may be seen hurrying over the surface during the daytime. The male adults frequently fly at night and are attracted to light.

Preventive remedies seem more advisable for small crops or limited areas than destructive remedies. The best means is to wrap valuable plants with a wire gauze sleeve with a mesh too small to allow the passage of the young changa; those made of galvanized wire will last several seasons and are small pieces six by 10 inches placed around the plants. Arsenic or Paris green sprinkled on chopped grass is the best bait; this poison should be distributed in small patches or narrow rows beneath the surface of the soil. Clean cultivation both before and after planting crops is recommended because a large proportion of the changa's ordinary food supply is cut off. Plowing during the winter will bring to the surface numbers of the eggs and young larvæ which are exposed to their enemies. Trap lights suspended over a receptacle containing water, when the adults are flying are recommended. A large lantern is necessary, for a dim light is nearly useless, and these with reflectors placed at the edge of the field will give best results. F.

The Spade.

Behold the spade, through countless centuries
The faithful friend of rich and poor alike.
By me upturned, the earth her fruits supplies.
I lay the road, and fashion well and dyke.

I give men homes. I dug the Egyptian clay
That Israelites of old were forced to bake.
And builders of huge shrines wherein men pray,
Must with the spade their strong foundations
make.

Though engines man contrives to till the soil,
I will be ever with him when he goes
To seek for southern gems with restless toil,
Or tear a dreadful path through northern
snows.

And when he dies, a grave I'll give to him;
Of all his godly gifts perchance the best;
He feels his blood grow chill, his eyes grow
dim,
And takes from me his final transport—rest.



CHICAGO SPRING FLOWER SHOW.

Display of White Carnations. The Three Winning Vases in Front.



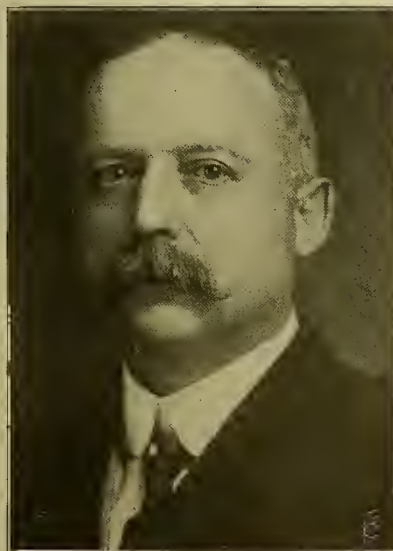
CHICAGO SPRING FLOWER SHOW.

Richmond Roses Exhibited by Peter Reinberg, Chicago.

Leaky Valves.

We read at the present time of the efforts being made in all lines of business to cut down the running expenses to the lowest possible figures and to also stop all unnecessary leaks. It is the controlling of these leaks that is often the fundamental principle of a successful business. The ordinary man in his attempt to curtail expenses will overlook the small details and try to cut down the expense in the large items, when it is really the small things that are daily eating into the profits, in fact, it is this continual outlay every hour and every day, no matter how small, and oftentimes unseen, that totals in the year to a large amount and is in reality a great waste. This matter was forcibly brought to our attention one warm night when entering the boiler room we found that the fireman had a roaring fire with open draughts. We had had a week of extremely cold weather, the thermometer outside registering below zero for two or three successive nights, and the inroads on the coal supply was very marked. It had been necessary to use the entire piping system all the time. This was followed by a mild spell with the outside temperature just below freezing, and the piping system had been shut down to one pipe in each coil. We naturally expected to find a low fire with a reduction in the amount of coal used. We immediately turned to the fireman for an explanation and were informed that he was continually running cold water into the boiler, and consequently had to have a good fire to keep up the necessary pressure.

Now every ounce of cold water placed in a steam boiler while firing, means



Chas. Loveridge.

President Illinois State Florists' Association.

the combustion of more coal, and the question immediately arose as to where the water was going and what was the cause of requiring the running of cold water into the boiler. We knew that the piping system was tight, all the pipes being above ground where they could be seen and there were no leaky joints. It certainly for a time was unexplainable. This warm weather was followed by a colder spell which required the use of more pipes, when we found where the water had gone.

Upon opening the valves of the pipes which had been shut off, the water in the boiler immediately began to rise and the pressure drop, showing that the pipes which had been opened were full of cold water which was returning to the boiler, and before long some surplus water had to be drawn off.

We had now solved the mystery. The piping was arranged through manifolds, with the valves in the manifold, and these not closing tightly, all the pipes that were shut off during the mild spell had filled with water which, when again opened, had returned to the boiler. When the valves of a pipe full of steam is closed, as it gradually cools off, leaves a vacuum and unless the valve closes very tightly, the steam passing the valve with the pressure behind it forces itself through the valves and condenses into water and gradually fills the pipe. We had learned our lesson and took advantage of it and the next summer fixed up our valves so that they would close tightly with the result that we could see a saving in our coal bill.

The majority of greenhouse plants heated by steam are on the gravity system, and the piping installed by the owners. In purchasing the fittings the cheapest are often employed, and the owners cannot see why an expensive valve should be purchased, even if he knows that it will much better perform the work for which it is designed, than one which can be purchased for half the amount, and will, as he supposes, meet all the requirements. But in our experience the valve that will close tightly and prevent the leaking of steam and water will more than pay for the difference in cost every month.

The cheaper valves can be made tight and can be again reground, but they gradually wear by the constant opening and closing and will become so worn that they leak. These valves are all right on pipes that are seldom used, if they are tight when first installed, but in greenhouse heating, especially in a variable climate, the valves are being continually opened and closed and wear quickly. It therefore becomes necessary that a valve that will close tightly and will continue to do so is the most economical in the end.

While writing upon this matter another thing comes to our mind which is a great waste in the heating of a greenhouse and that is the continual leaks of steam in the piping. How often have we walked into greenhouses and seen here and there through the establishment jets of steam emerging from leaky joints and valves, with the packing worn out, so that the steam escapes around the stem. This is a continual waste, and the prudent business man will immediately take steps to see that the leak is stopped. During the summer the heating plant in every greenhouse should be repaired where it is necessary; the leaky places made tight, the valves repacked, and if necessary, reground, and if the leaks cannot be stopped, replaced with new valves that are tight. These are continual leaks not only in steam but in coal and eventually in money. It is well for the greenhouse man to fully understand that where he is continually pouring water into a steam boiler used for heating purposes only, that he has an expense in his business that is unnecessary and should be eliminated.

Primula Malacoides.

This interesting little primrose is just coming into general notice. It is related to *P. Forbesi*, grows in a dense low tuft of pretty foliage, from which spring numerous flower stalks each bearing two to three whorls of tiny rosy lavender primroses. It is a most decorative little plant, and has the advantage of a heliotrope-like fragrance. It is also remarkable for its rapidity of growth, a few months being sufficient to bring it to perfection.—*Revue Horticole*.

The Tropical Rain Forest.

Those who have botanized in the temperate zone, only, may be quite familiar with the tropical rain forest as it appears in literature, but they are not likely to have a very vivid conception of it as it really exists. In our parts of the world it is almost impossible to imagine the effect upon the forest where it rains daily, often in torrents, and where moisture and light are at the maximum. In such places the constant moisture makes it possible for plants to grow upon the branches of trees, the roofs of houses, stone walls and similar situations. The trunks and larger branches of trees in the rain forest are often so loaded down with epiphytes—principally ferns, orchids, wild pines, lycopods, mosses and lichens—that they can scarcely be seen. The rainfall that makes all this possible is also hard to realize, states the American Botanist. A recent rainstorm recorded in the Philippines resulted in a precipitation of more than 88 inches in four days. That is, enough water fell in four days to cover every square foot of surface in that region more than seven feet deep. Nearly three feet of water (34 ins.) fell in one day. This, however, is by no means the limit. In the Khasi hills at the head of the Bay of Bengal a rainfall of nearly ten feet (114.4 in.) occurred in five consecutive days in June, 1876. The record precipitation belongs to a small region in eastern Jamaica, near Silver Hill, where in November, 1909, eleven feet and a quarter of rain fell in eight days. The writer of this note has a very vivid mental picture of the spot mentioned, having botanized there some years ago. The most crowded conservatory in our cooler latitude but faintly represents the crowd of species there. Tree ferns vied with flowering plants for room to spread their leaves, the ground was one extensive carpet of selaginellas, mosses and ferns, and with every passing shower, water dripped from a thousand filmy ferns and mosses on the trees to fall upon and renew the verdure below.

BRISTOL, CONN.—Andrew Bros. have opened a store in the Curtis block on Main street.

Chicago Florists Dine National Executive.

The meeting of the executive committee of the Society of American Florists, held at Chicago March 13-16 to further the plans for the annual convention, to be held in that city next August, was made the occasion of a banquet in honor of the visitors, tendered by the Chicago Florists' Club at the La Salle hotel March 14. There was a large attendance, the visitors including President R. Vincent, Jr., White Marsh, Md.; Vice-President August F. Poehlmann, Secretary John Young, New York; Robert Craig, Philadelphia, Pa.; E. Allan Peirce, Waltham, Mass.; Harry A. Bunyard, New York; C. H. Totty, Madison, N. J.; John A. Evans, Richmond, Ind.; C. C. Pollworth and wife, Milwaukee, Wis.; Walter W. Coles and wife, Kokomo, Ind.; Miss Tillie Meinhardt, St. Louis, Mo.; Fred H. Meinhardt, St. Louis, Mo.; W. H. Kennedy, Milwaukee, Wis.; P. G. Pearson, Moline, Ill.; Harry Balsley, Detroit, Mich.; J. T. Temple, Davenport, Ia.; W. E. Trimble, Princeton, Ill.; W. Hartshorne, Joliet, Ill.; John Fuhlbruegge, Winona, Minn.; E. H. Cushman, Sylvania, O.; S. W. Coggan, Battle Creek, Mich.; Joseph H. Hill, Richmond, Ind.; H. W. Pilgrim, St. Louis, Mo.; Arvin Anderson, Moline, Ill.; A. F. J. Baur, Indianapolis, Ind.; Harry Papworth, New Orleans, La., and Henry Gaethje, Rock Island, Ill.

President Foley of the Chicago Florists' Club officiated as toastmaster and when the menu had been discussed he called on President Vincent, who spoke for the national society and made a strong plea for increased membership and united effort to make the coming convention the great success it ought to be at this central point.

Albert N. Butler, representing Mayor Harrison and the Chicago Association of Commerce, welcomed the visitors and assured them that every effort would be made by those he represented to make the coming visit of the trade pleasant and successful.

Robert Craig, the gifted orator of the American trade, was next called upon and made one of his old-time, vigorous, heart-warming talks, brimful of eloquence and humor, charged with the fire of youth and adorned with all his wealth of poetry and intonation. Not content with this, his enthusiastic admirers insisted upon a song and he came to the front with "Loch Lomond" and again responded to a hearty encore.

Chas. H. Totty, chairman of the National Flower Show committee, spoke of the satisfactory progress being made with the preliminary work of the great exhibition to be held in New York, April 5-12, 1913, and requested the aid of everyone present in making this the greatest horticultural exhibition ever held in this country.

Vice-President Poehlmann was the next speaker and gave a strong talk on the lack of co-operation in flower shows, urging growers to extend their aid to these institutions for the general welfare of business.

H. A. Bunyard spoke for the National Sweet Pea Society, reminding his audience of the great exhibition to be held at Boston, July 13-14.

Secretary John Young, Ex-President Geo. Asmus, E. Allan Peirce, Joseph H. Hill, E. F. Winterson, H. N. Bruns, W. N. Rudd, Harry Balsley and others made brief addresses, while John A. Evans and Duncan A. Robertson sang songs, prolonging the proceedings to a late hour when all present joined in the singing of "America" and a most enjoyable event passed into history.

A number of well known professional artists entertained the participants with vocal and instrumental selections during the evening.



CHICAGO SPRING FLOWER SHOW.

Carnation Pres. J. A. Valentine Exhibited by Richard Witterstaetter, Cincinnati, O.



CHICAGO FLORISTS' CLUB BANQUET, MARCH 14, 1912.

BANQUET
CHICAGO FLORISTS' CLUB
MARCH 14, 1912

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PUBLISHED BY THE
FLORISTS' CLUB OF CHICAGO

THE ROSE.

Preparing for Easter.

Easter being only a few weeks off now, there are several things to do in order to have A No. 1 cut stock for that holiday. This is the season of rapid growth and with the usual amount of extra spring work going on, the roses may get a lead on us. Syringing should be done more frequently and unless the flowers are kept well within bounds by careful tying, there will be many crooked stems resulting, and when the buds are allowed to become entangled it makes a lot of extra work and loss of time when cutting them. The thing to do at this time is to give the houses a good cleaning, or the plants rather, removing all yellow leaves and old foliage covered with red spider; then tie everything carefully and give the plants a good mulch of cow manure, not too heavy but a good root covering scattered on the soil loosely. Do not neglect to break up the mulch frequently by going over it about every ten days by hand, breaking up the lumps which will enable one to get about all the strength from the manure with the hose.

This does not mean a general let-up on the liquid manure, which can be continued after the first watering of the mulch. The liquid manure can from now on be used full strength and about once per week. These suggestions of course are based on the treatment of strong vigorous plants. Otherwise a lot of plants that have received a check of some kind are slow to respond to the change of season. Plants in this condition will have to be nursed along for a while until they begin to make healthy clean growth. Syringing perhaps will furnish them moisture enough at the root for a while; it depends of course on what has caused the check in the growth. If the plants have been chilled they must be rested up a bit, withholding the water and

running the house at a slightly reduced temperature for a short time.

If the house has been quite cold the plants will drop a lot of foliage, and by running them on the dry side they may drop a few more, but this need cause no great alarm as they will recover rapidly at this season of the year if a little common sense and watchfulness is used. Plants slowed down by overfeeding, watering and heavy cropping will take about the same treatment. In either case do not resort to extremes; reduce the amount of water gradually and as the plants recover increase the water supply gradually and do not feed them until they have made some new foliage; new foliage means a new root growth.

See to it that the young stock in pots is kept watered evenly. This can only be accomplished by spouting the driest plants with the watering pot. It is a good plan to put a very careful man in charge of the young stock, or it is often similar to the too-many cooks etc. The pot roses usually require more fumigating than the stocks we are cutting from, as they are placed close together and heavy fumigating is necessary in order to have the fumes reach the under side of the foliage. Again it is a difficult matter to spray as thoroughly as in the case of the old plants. There is no time during the season that the green fly is harder to get rid of than during the month of March, and from now until the real warm days it may be necessary to fumigate quite often.

Bank the fires as early in the mornings as possible and let the plants get all the fresh air that can be safely given without reducing the temperature suddenly. The less artificial heat used from now on during the day the better for the plants. E.

HAVERHILL, MASS.—The local florists had a merry battle of prices the first week in March and the people reaped the benefit. Roses, carnations and jonquils were sold for 15 cents a dozen and violets for 15 cents a bunch.

Roses.

Paper read by Wallace R. Pierson, Cromwell, Conn., before the New York Florists' Club, March 11, 1912.

I have been invited by your committee to come here tonight to talk to you on the subject of roses. I accept the invitation because I enjoy talking on a subject that interests me, and roses are a big part of the flower business of the country. I realize that the subject of roses is broad, for it includes in it the relation of roses to the florists' business, and the figures of the florists' business are hard to obtain. Our florist directories and board of trade give us but a part of the names of those who are in the flower business; our trade papers' circulation reports give us a poor idea, for the trade papers are read only by a part of those who depend on flowers for a livelihood. It is almost safe to say that half of those who make a living by flowers never see a copy of any of our trade papers.

The rose stands in a place which no other flower can hope to usurp. It is in a class by itself, and we are to consider roses tonight, but bearing in mind the fact that roses are merely a part of the flower industry.

The growth of the florist business in this country has been wonderful, and it is on the increase. The glass market has caused a building boom, which means increased production, more roses in the market than ever before, and that we shall have to look for an increased outlet for the product or face a glut in the markets of the country, and consequent loss to those whose money is invested in the flower industry, and a greenhouse proposition which goes into decay for lack of management, or for lack of market for the product, represents as great a shrinkage in value as any business in existence, unless it be the retail store whose asset is the lease of the store, for everything that makes the business is perishable property, and a neglected greenhouse is a discouraging proposition.



CHICAGO SPRING FLOWER SHOW.

Melody Roses Exhibited by Pochlmann Bros. Co., Sunburst by E. G. Hill Co.



CHICAGO SPRING FLOWER SHOW.

Display of Roses by Bassett & Washburn, Chicago (not for competition).

What are the essentials for success in the rose-growing business? Good soil, good houses, water, steam heat, good plants, good management, shipping facilities and a proper handling of the product and collection of accounts.

A good rose soil is one which has a clay body with enough root fibre in it to make it porous. It should be enriched properly by the addition of cow manure and bone meal (where tests have shown bone meal beneficial), and it should be composted not over a year for best results. It must have proper drainage for the reason that a soil improperly drained is lacking in air, and air is necessary to root growth.

Good houses for roses are houses that grow roses well. That is the story in a nut shell. The ideal house is a matter of opinion only, and the advisability of putting one style of house against another should be considered under the question of good management. Good roses are grown under small glass and big glass; in houses that run north and south and east and west, but considered as a whole the best winter roses are produced today in houses running east and west that are built with iron construction and big glass to make them light, and large enough to make them uniform in temperature, and not subject to quick changes as is the small house, owing to the increased outside exposure in proportion to the air space confined. The ventilation should be such that all sections of the house are affected by the opening and closing of the ventilators, and the length or width of the house is an item which is considered under the head of "management."

Water is an absolute necessity, and on the amount of water used, and the pressure under which this water can be had, a great deal of the success depends. I realize I am facing argument when I state that a rose coming into crop cannot be overwatered, pro-



C. W. Johnson.

Vice-President Illinois State Florists' Association.

vided there is ample drainage, and the house is not chilled or run cool, but I do not consider it good policy to water as heavily where a house is being run cool to retard a crop, or is being cut heavily and in consequence is losing feeding roots, for root growth is in proportion to the top, and these remarks apply to grafted roses, as we have no own root plants growing on our place except a few test batches, although we grow own root plants to sell.

Steam heat I consider absolutely essential. It is a quicker heat than hot water, for where heat is needed it is usually needed in a hurry, and the vaporizing of sulphur and nicotine preparations on the steampipes is, according to our experience, the best

method of controlling mildew and insects. Hot water gives a uniform heat and a steady supply, and it may be of interest to tell you that every house on our place has both steam and hot water heat, which, worked in conjunction, we consider ideal.

The matter of plants will I know bring up argument, but a good plant is necessary to success, and the best is none too good. Consider that the average rose grower keeps his roses three years, and consider what he expects to take from these houses in the three years and there is little room for argument, as the proportionate cost of good plants above poor, grafted above own root, is trifling.

Good management is a broader subject, and one which could be the subject of a course of lectures which would be interesting indeed, but I wish to touch on only a few features of it. A wide house can be heated with nearly the same amount of heat as a narrow house, owing to the less outside exposure in proportion to the cubical contents of the house. New varieties properly selected are better paying propositions than older varieties. A steady cutting is better for the market than a cropping of houses. Proper consideration of these points, the handling of the help proposition, the keeping of supplies, the proper handling of the output and the proper meeting of obligations are signs of good management, which are essentials of success.

Let us for a moment consider the question of varieties, and what do we find in commerce? Not over twelve or fifteen at most that are being grown in quantity for cut flowers. We find the hybrid tea of the type of Mrs. Aaron Ward and Mrs. Taft with a tendency to sluggishness in mid-winter; we find the Killarney family that is entitled to a Roosevelt medal for the variety and number of its offspring, and the ever present American Beauty. (When it is in crop.) We find My Maryland,

Richmond, Radiance, Bride, Bridesmaid, and the list is almost at an end, for the new yellow roses are not grown widely as yet. There is many a rose-growing establishment of less than thirty thousand plants trying to grow at least half of this list mixed in the same houses—Mrs. Aaron Ward that needs heat in winter to make it move side by side with Killarney, that owing to the extra heat which the other varieties need, are lacking in substance and suffer in the market. The solution is to grow varieties by themselves as far as is practicable, and treat them as they should be treated to get the best results. The My Maryland that we exhibited at Detroit on from four to five-foot stems were cut from three-year-old plants that had rested in winter when nature showed they needed the rest, and we may all wake up enough some day to realize that it pays to follow nature rather than to try to lead it, and allow some of our good roses to rest when it is natural for them to do so, and in this one instance it has paid.

In new roses this year there are but a few leading varieties which appeal to the commercial grower. Two of the new Killarney sports are here for your inspection. We believe them roses of the highest type, and believe there is room for them in the market, for the list of varieties is small. The output of new roses in Europe is large, and from Europe our best new roses have been introduced. There are undoubtedly more good roses that have never been perpetuated than the number that have been brought to our attention. It was my pleasure to visit H. A. Dreer's trial ground at Riverton last spring, and I look back to that visit as one of the pleasures of my life. There is a movement on foot to establish in connection with Elizabeth Park in Hartford an official trial ground for new roses, and I hope the proposition made the American Rose Society by the superintendent of parks will be accepted, for the rose garden there is one of the finest in existence, and the varieties properly grown and properly labelled are instructive to the masses, and make flower lovers of whoever may be fortunate enough to see them, and the rose garden there is visited by thousands, and notebooks

are always in evidence among visitors, and a flower lover sooner or later becomes a flower buyer. For the flower business our parks are wonderful advertisements, and the building up of the business depends on the elimination of prejudice and the education of the masses to keep pace with the building of greenhouses, which means increased production.

To our retailer then we must look for the salvation of the business, and the man needed today in that branch of the business should be in keeping with the modern trend of business, and broadminded enough to realize that on him depends not only his own personal welfare, but the welfare of the florists as a whole. I have heard of the Retail Hardware Dealers' Association and their conventions, and discussions for the good of the trade, and have learned that in the opinion of these hardware men it is a wonderful help. I have read of automobile salesmen being called from the road to the shop to learn how things were built so they could sell them better, and in other lines the same, but have not heard of the retail florists' interest in the sources of supply, or their conventions for the building up of the flower trade in any city.

Walking down Fifth avenue one bright sunshiny afternoon about this time of year I took the opportunity to observe the varied line of millinery which these, the choicest of the millinery stores of America, have to offer, and the variety was almost beyond description in form and color. The newest models, and the height of fashion were on exhibition, and the whole merely catering to the fads and fancies of the feminine taste. The thought came to me that after all the wish to see and to buy these latest creations of the millinery art would be in a measure duplicated in the flower business when we can offer to each customer something that is different, and which appeals not to established precedent, but to individual taste. How to bring about such a situation is the problem that confronts the florists, and the salvation must come through the retailer and grower working in harmony, and each in turn may have to make some sacrifices for the good of the business.

During the past ten or fifteen years we have been able to teach the masses the names of about four or five roses. Some have learned to know Bride and Bridesmaid now that they are nearly extinct. They are learning to know Killarney and White Killarney as they grow older, but few would know Mrs. Aaron Ward or Lady Hillingdon by name, or identify them when they see them, because first of all their attention has never been called to the individuality of flowers, and the retail florist who neglects to educate his customers is throwing away the greatest business opportunity ever presented to florists, and in so doing injures not only his own business, but the grower and the trade in general.

Would not a neat display of something new in roses with a neat card in each box that goes out giving information regarding the variety bring back customers who can call a variety by name? I believe it would. Would not the story of Admiral Ward of our own United States Navy, being a flower lover (and for that reason Mrs. Aaron Ward was complimented by Pernet naming his favorite rose for Mrs. Ward), be interesting? I believe that it would.

How could we do it will be heard from the retailer, and there is the part which our wholesalers can play, and with advantage to all concerned with intelligent co-operation on the part of the grower. Advise your growers to become specialists, provided you have the patronage among the retailers that will give the movement the support it deserves. Figure on your growers as sections of one place. We plant twelve to fifteen varieties in quantities varying according to a prospective demand, and the wholesaler should do likewise, and plan to have among his growers the right assortment of roses to meet his demand. What a man can grow well he should grow, but it is never advisable to grow a large number of varieties on a small place for a wholesale market. Enough to be a figure in the market, and to keep a steady supply is the advice to the grower, and if it takes the whole place to do that grow only one variety, and let your neighbor who grows roses for the same market grow something different. From the standpoint of dollars and cents,



CHICAGO SPRING FLOWER SHOW.

Double White Killarney Roses Exhibited by Pohlmann Bros. Co., Morton Grove, Ill.



CHICAGO SPRING FLOWER SHOW.

Collection of Amaryllis exhibited by E. G. Uihlein, Chicago.

and from all that I can learn, there is very little difference in the amount of money which can be taken per plant where the variety is properly grown and is up to date within a few years, and the roses that are paying big money to the growers today are all specialty roses or novelties. Mrs. Taft, (so-called), Radiance, Cardinal, Lady Hillingdon, Mrs. Aaron Ward, Melody, Dark Pink Killarney, Double Pink Killarney, have all made money when properly grown in quantity, but the steady supply is the salvation, for without it the retailer is at sea, and to build up a trade and lose it because he cannot secure the stock is discouraging.

It is a political expression to "look to one's fences," and yet it applies to the rose situation at the present moment. Were I in the retailer's position, dealing with a wholesale house in any city in this country I should demand definite knowledge of what was to be planted this spring, so that I could know what to count on for next season, and would place my business where the growers would supply the roses that the store trade requires. I know that this is plain talk, but it is not all theory. It is principally fact, and I value the opinion of a first-class retail florist as to the merits of a rose more than the opinion of a good grower of roses. There are prejudices in retail stores that are as foolish and unfounded as the fear of the 13th of the month and walking under a ladder, but not in many cases is this apparent. You would never hear such a remark

as "My clerks don't like the rose, and so we don't buy it." In any line of business where there is a sale for an article which the public likes, and will buy, if the proprietor is up to date the goods will be there even though the clerks take an enforced vacation before accepting a new position where, as sadder and wiser men, they watch their former employer refusing to go into bankruptcy because they are no longer with him.

Sentiment is connected with flowers, and with roses in particular, and that sentiment should be used to educate love for roses, and admiration for the wonders and beauty of nature, but remembering always that business is just business after all, sentiment can, fostered and encouraged in the right direction, mean increased business.

I was reading the other day one of Richard Harding Davis' stories, "The Red Cross Girl," and when I read the line "We never see flowers in New York except on women's hats," I took up a copy of the "Florists' Directory" and wondered how three thousand New York florists would allow a man like Richard Harding Davis to put such a remark into the mouth of the city editor of a New York paper, and it struck me that if this story was really true to life there was a mighty small percentage of the gross sales of cut flowers spent for advertising, or the city editor who said that would have learned that such things could really be purchased in the city. Any big de-

partment store will allow a certain percentage for advertising; any up-to-date firm figures on advertising expense, and yet how many of our florists advertise in proportion? Very few, but those few are getting their full share of the business because they have learned the secret, or part of it, and figure it as an expense just as necessary as store rent, or automobile delivery.

I suppose that I was invited here tonight to talk soil and water, grafted and own root, hot water and steam, but I am more interested in the building up of the business in general than the incidentals connected with the growing of good roses. The successful rose business depends just as much on how the product is sold as it does on the growing. The more good roses that are in the market the better the demand for good roses will be year in and year out. We are facing a lot of good roses, and the good roses for all the year round is no longer fiction but fact. Such roses as Princeton and Christy Miller open up a wonderful field for the specialty grower. Killarney Queen is all alone in a class by itself as the highest type of a pink rose. Double White Killarney, considered for the year round, means advancement, and Sunburst, Lady Hillingdon, Mrs. Aaron Ward and Melody have brought yellow roses up to a standard of perfection never before equaled. In red roses the grower is weaker than in other colors, but relief is in sight, and a few years' time will show them on the same paying basis as roses of other colors.

To the grower let me say, consult your wholesaler as to what to grow, and plant the best stock that can be produced regardless of where you obtain it, for a few cents on the initial cost is trifling compared with two or three years' labor trying to obtain blood from a stone.

To the wholesaler let me say, advise your growers, and properly plan for your next season's business, and take into consideration the proportionate demand for varieties when you give such advice.

To the retailer I would say, build up your demand by properly educating your customers to know and distinguish varieties. Create a demand by showing them something new and different. Be alive to such opportunities as the National Flower Show will present to educate the public as to the use of flowers. Advise your source of supply as to what your needs will be for another season so that he can be prepared. Read a florist paper occasionally so that when you see something new in the market it will not be a total stranger to you. Help out the grower in glut times even if there isn't one hundred per cent profit in it for you, as it helps the business, and remember that retailer, wholesaler and grower are, after all, just men striving to make an honest living in a busy world which is, so far as we florists are concerned, sixty per cent roses.

Fuller's Rose Beetle.

ED. AMERICAN FLORIST:—

Will you kindly inform us of the best means to exterminate *aramigus fulleri* in a greenhouse of 45,000 cubic feet, containing roses planted in benches.

A SUBSCRIBER.

The beetles are very difficult to destroy with insecticides, even hydrocyanic acid gas being powerless against them used at a strength that would not kill the plants. The remedy which has found the most favor is to search for and destroy the beetles and a good

time for doing this work is during the months of November and December, when the beetles may be found congregating upon the plants. The grub may be exterminated by the use of bi-sulphide of carbon. Small holes may be made in the soil about two feet apart and a few drops of bi-sulphide of carbon dropped into the holes and then immediately covered with soil. The gas generated will permeate the soil and kill the larvae.

W.

FLORISTS' PALMS.

Spring Culture.

The bright weather that has prevailed lately brings to mind the subject of shading on the palm houses, the first light shading being usually required about the end of February or beginning of March. If the south side of the houses is shaded at this early date, it is sufficient for a time, for that will cover the plants until the sun gets higher, the object being to protect them from the strongest rays of the sun without making the houses too dark, there being a happy medium in the matter of shade that gives the plants a healthy color without making the foliage too soft.

Ventilation continues to demand close attention, from the fact that the houses sun up very rapidly in the morning, while the cold winds that may be expected at this season soon affect the temperature in the afternoon, and cold draughts are far from beneficial to the plants. It is generally safe to give some air when the temperature reaches 75° in bright weather, and to shut down when it drops to 65°, thus keeping a growing atmosphere at a period when the plants need it.

Thorough syringing is especially necessary at this time, for at the latter part of the winter and beginning of spring there is very likely to be found some colonies of red spider in spots

where the water does not reach with much force, especially along the back of a bench, or in a warm corner over the pipes. This pest acts somewhat differently on some of the palms to what may be expected on many other plants, and to those unfamiliar with its peculiarities it does not always reveal its presence at once.

On pinnate leaved palms, such as arecas and kentias, the red spiders often attack the upper surface of the leaflets, this action causing the leaflet to turn up on the edges, owing to the contraction of the leaf surface caused by the perforation of the insects. Whenever such a condition is noted, namely, that a number of leaflets are found with a concave appearance rather than the convex surface they usually present, it is well to give them a careful examination and additional care in syringing, for in a majority of cases there will be found insects at work. On latanias, or on *Livistona rotundifolia*, the red spiders are more likely to appear on the under surface, and if they are allowed to remain there for any length of time, a permanent disfigurement of the leaf will result.

Yellow thrips are partial to the younger leaves of arecas, and are also found on the Kentias, the most effective treatment for this particular enemy of the grower being regular fumigations with nicotine paper, or spraying with nicotine solution, the fumigation sometimes reaching the insects when the spraying may fail. Aphis gives but little trouble to the palm grower where the nicotine treatment prevails, but is not an unusual visitor during the spring months. Mealy bug is sometimes troublesome when allowed to get established on the young foliage of palms, but proper syringing with a good pressure of water will dislodge this insect, and nicotine solution in the form of a spray will destroy them.

During the slack season of mid-winter there has been a good chance to



PRESIDENT VINCENT AND SOME MEMBERS OF THE S. A. F. EXECUTIVE COMMITTEE AT THE COLISEUM, CHICAGO, MARCH 14.



CHICAGO SPRING FLOWER SHOW.

Display of *Nephrolepis Bostoniensis* and 13 of its Progeny by F. R. Pierson Co., Tarrytown, N. Y.

dispose of the scale insects by the use of the various preparations that may be had for this purpose, and as the potting season is opening, it is taken for granted that this preparatory work has been accomplished, and that the stock is now in condition for repotting. As to how early this operation may be begun depends on the condition of the stock, and also to some extent on the kind of trade that is being followed.

There is not much gained by potting too early, as until the roots show activity they might better be undisturbed, but at the same time one needs all the time for growth that can be had in order to attain the best results. Arecas and *ptychospermas* start into growth early, and may therefore be among the first for repotting, the *kentias* follow next in order, and after them the *phoenix*, *cocos*, *livistonas* and others that may be found in less numbers in the palm houses of the trade.

Have soil under cover, and sufficiently dry to allow firm potting, keeping a sufficient supply of soil ahead so that it will be warmed through before using. Use clean pots, and have the plants in a proper condition of moisture before they are potted, bearing in mind the fact that it is almost impossible to water the plants so as to moisten them through if the old ball of earth is dry at the time of repotting. Then give the plants space enough to get some light and air, keep a moist atmosphere in the houses, and a night temperature of 60° to 65°, and the result should be active growth.

W. H. TAPLIN.

LAKE GENEVA, WIS.—The new horticultural hall is nearing completion and a house warming is scheduled to take place soon.

MIDDLETOWN, CONN.—Charles Kieft, the Pike place florist, has purchased the greenhouses on High street and will remove them to his place.

Native Trees and Shrubs.

Conclusion of paper read by E. Bollinger of Lake Forest, Ill., before the Illinois State Horticultural Society.

PLANTING OF SHRUBS.

The general rules for tree planting also apply to shrubs except that their use should be chiefly in groups or belts and should be very little used as specimen plants, plant only such shrubs that are perfectly hardy such as our American *Viburnums*. Wild roses, *spirea*, *dogwood*, *rubus*, *ribes*, *hypericums*, *Indian currant*, *sambucus*, *lilacs*, *philadelphus*, *tart*, *honeysuckles*, *Weigelia*, *Forsythia*, etc., combine them with taste in the shrubby border, do not mix them but plant them in groups of three to 25 or more, avoid colored foliage as much as possible, do not crowd shrubs, but combine in each group as much as possible the same family, consider well the size of foliage, flowering period, study well the various characteristics of each variety of plants, do not only consider the present but look to the future, keep before you the groups of shrubs how it will and should look in ten years.

For large grounds and public parks taller growing shrubs are more desirable while in smaller places the medium and smaller growing variety should be used. No home large or small seems complete to me unless the native perennial flower is found. It is said that the love of flowers is one of the earliest of passions, a bright boy or girl knows the season by its flowers. The flora of America we can call justly wonderful and would we give each variety a place in our gardens and parks it would require quite a space. In large estates and parks where a variety of locations are at hand such as ravines, bluffs, streams, ponds and low lands, etc., those beautiful plants should be planted in large masses for the natural effect from early spring until late in fall one may

have the pleasure to have a wealth of those beautiful flowers. *Hepatica* if not native in your section, plant in masses. *Triliums*, *Phlox*, *Jack in the Pulpit*, *Shooting Star*, *Campanula*, *Violet*, *Wild Orchids* or *Lady Slippers*, *Gentias*, *Wild Sunflowers*, etc. In low lands plant the *Lobellias*, *Forget-me-not*, *The Carolina Lily*, *Sedum*, *Eupatorium*, *Monarda*, *Asclepias*, *Veronica*, *Tradescantia*, etc., along streams and ponds plant the *Iris*, *Yellow Pond Lily*, *Arrow-Head*, *White Pond Lily*, also some of the ornamental Grasses belong in the pond. Where space is limited the plants just named may not give the desired effect that one may look for and for such places I would not advise to plant them, but if at all select some of the best, *Violet*, *Lady Slipper*, *Lobelia Cardinalis*, *Monarda*, *Asclepias* ornamental grasses, and with them you may plant *Lythrum*, *Phlox*, *Delphinium*, *Aquilegia*, *Pyrethrum*, *Rudbeckia*, *Stokesia*, these planted in connection with the shrubby border are always pleasing and give the landscape a more or less lively effect.

The up to date landscape gardener realizes that our American plants, trees and shrubs should be given the place justly due them, nevertheless some of the foreign plants can and should be used but do not crowd your home grounds full of foreign at the expense of our equally as good, if not better plants and just because it comes from a far off country. On public school grounds native trees, shrubs and flowers should predominate the others, let us not do like the gentleman of New Hampshire who happened to be President of the Board of Education, he looked over the catalogues I presume and found that France was a very good country to buy for little money small trees and especially elms, he bought several thousand English elms for Arbor day and distributed among the children in the district and city schools, and afterwards spoke of his

great heroic deed and advised other boards of education to do likewise, sure enough it is far better to plant a foreign tree than none at all, but it seems to me that such a man shows an un-American spirit, I would advise, first of all the use of all our home plants, make good use of them, cultivate them to the highest perfection and use foreign material only when you have a good and sufficient reason to use them, but give our American varieties the first and best place of honor, if you can do nothing else for this country do at least that much, for the benefit of American Horticulture.

Sawdust in Manure.

Much of the cow manure now obtainable in many sections of the country contains sawdust or shavings for bedding, especially this year, when the price of straw is so high, and there is a widespread feeling among florists and gardeners that this is harmful to plants, especially in greenhouses. The Maryland Agricultural Experiment Station has conducted a series of experiments which is published in Bulletin No. 158. Comparisons were made between (1) cow manure, with sawdust bedding; (2) cow manure, with straw or chopped corn-stalk bedding, and cow manure without bedding, this being from cows kept on a cement floor, without bedding. This was carried on for three years on roses, carnations, chrysanthemums and sweet peas.

That sawdust is not injurious to plant growth was evident in all the crops during the three years and in a majority of cases the number of blooms produced with such manure was larger than that with manure with bedding. The conclusions drawn from the experiments were that although the results show slight gains for the sawdust bedding plots over the other plots, its general use was not recommended. Observations of the plants and blooms of the different plots for three years indicate that litter bedding in cow manure is not the best material and that sawdust in cow manure is not harmful, but that everything considered, cow manure without any bedding material whatever is to be preferred.

WITH THE GROWERS

Godfrey Aschmann, Philadelphia, Pa.

These are busy times at Godfrey Aschmann's greenhouses, Ontario street, Philadelphia, for while there is always something doing here every month in the year, the holiday seasons of Easter and Christmas find the machinery running overtime getting ready and satisfying the great extra demand that is received from all parts of the country. Mr. Aschmann says: "It is not the selling or packing that bothers us; it is getting the stock ready, the finding room for the quantity we handle, a new house is added and we say now we have room, but soon we are just as crowded as ever. Look at this house of lilies. Did you ever see any better or healthier stock? Multiflorums, every one of them, all selected bulbs. It pays to get the best; there is then little if any loss. They can tell you about forcing too soon or all other bad cultural methods to explain failure with cheaper bulbs; but I tell you the fault in nine cases out of ten is in the bulbs. Buy the best and you will get good results." The house of lilies was a beautiful sight. Every plant healthy and strong and well set with buds just beginning to turn down. Lilies were also seen in other houses, as room could be obtained for them. Azaleas are a feature here and quantities of all the popular sorts in the quick-selling sizes. All nice budded stock filled several houses. Splendidly flowered spirea filled one house and temporary staging in several others. Mr. Aschmann believes in making the most of every foot of space in his houses and keeping them filled all the time. Elevated staging, one foot wide, is placed over many of the center tables in the larger houses, and similar shelves over the side benches are filled with all kinds of seedlings, bedding stock pricked off in boxes or small pots ready to take the place of the Easter stock. Much of this staging is temporary, on which is placed choice stock, which in this way, in the abundant light afforded, is given a finish that is much appreciated by

his customers. A house of hydrangeas well budded was coming on nicely. There was another large house of cinerarias, a very large strain. Mr. Aschmann makes a specialty of this plant and grows it to perfection. There is bulbous stock galore, hyacinths, tulips, daffodils. A number of pans of hyacinths made up with asparagus looked very salable, to judge by the samples ready.

A house of araucarias and another of kentias, crowded aside for the present the remnant of the winter stock, but still in the running, looks remarkably well. The salvias, begonias, geraniums and other small stock that was seen everywhere on the hanging shelves and the quantities of ferns that occupied the narrow spaces along the walks, all go to make up such a collection as can be found in no place of the same size in the country. A private office has been added the past season and a recreation room for the employes. The shipping facilities are excellent, the express companies calling twice each day and generally finding a generous lot of boxes waiting for them. Mr. Aschmann looks forward to and is prepared for an extensive Easter trade, as orders are already pouring in. He is a great believer in printer's ink and one of the largest advertisers in the country. K.

The Green Floral Co., Dallas, Tex.

From a horticultural point of view Dallas was placed on the map when E. H. R. Green established in that city his great greenhouse enterprise and made it a wholesale cut flower center for the southwest. Dallas has long boasted some considerable wholesale importance along other lines for many years, but within the past few years this has assumed proportions that have challenged the attention of large northern and eastern manufacturers and distributors who look to this territory as an outlet for any part of their products.

Chicago still ships into Texas quantities of cut flowers and Kansas City, St. Louis and Denver also contribute their quota, but the Green Floral Co.



GREENHOUSES OF GREEN FLORAL CO., DALLAS, TEX.



EASTER LILIES AT THE GREEN FLORAL CO'S, DALLAS, TEX.

has found no difficulty at all in disposing of the entire cut of its 300,000 square feet of glass. Not only does this establishment supply the local retailers with the greater part of their stock, but an extensive shipping business is also done. Shreveport, La., on the east is an excellent outlet for this establishment, and El Paso on the west buys in Dallas. It is only natural that Houston, Galveston and San Antonio on the south should be tributary to this market, but when it is known that from at least two Kansas points there are standing orders here for cut flowers (thus entirely overlapping the fast growing communities of the state of Oklahoma) some appreciation is had of the Dallas market possibilities.

It may not be entirely trite in this connection to suggest the magnificent distances of this southwestern country by reminding THE AMERICAN FLORIST readers that Texarkana, Tex., is nearer Chicago than it is to El Paso, Tex., or than is Toline on the Texas-Oklahoma border to Brownsville down on the Rio Grande.

Back in 1904, Mr. Green had not the remotest idea of entering the field of commercial floriculture. The idea had its real inception in quite another enterprise. It was in that year that the governor of the state of Texas proclaimed a prize of \$50,000 to be awarded the discoverer or inventor of an effective means of combating the boll weevil, that annual dread of all cotton growing communities. Mr. Green with his usual enthusiasm accepted the challenge and purchased 400

acres close to Terrell, Tex., for the experimental work he undertook. He not only grew cotton in the field, but his experts studied the cotton plant under a variety of conditions under glass. For this purpose six greenhouses were built. This Terrell enterprise became widely known as "Green's Experimental Farm" and was recognized by the United States government in the presence there of some five or six experts of the national Department of Agriculture.

Mr. Green soon found that he had more glass than was necessary for his experiments with remedies for the boll weevil, and so, being a great lover of flowers, tried out the culture of carnations. These not only did well, but attracted such attention from the nearer florists that a small shipping business was begun. The fact soon became apparent that the boll weevil was not to be readily conquered and another fact became equally apparent, viz.: that there was a big natural opening for a Texas establishment for the growing of cut flowers under glass.

That he might for this purpose have the natural shipping advantages of an established market, he instituted the Green Floral Co. in Dallas, in the year 1906. It was in this year and the following one that what is known as "The Kaufman Road Plant" was built. This comprises 300,000 square feet of glass and is devoted entirely to the production of cut flowers for the wholesale trade. At the same time, he bought the business and the property of the Haskell Avenue Floral Co. The 35,000 square feet of glass of this latter

establishment is devoted to the cultivation of potted and bedding plants and in a general way to the firm's catalog business. Field-grown roses are also grown at this latter establishment for the needs of the catalogue trade.

With General Manager Eugene Corley, we drove out on a very windy Sunday afternoon to the Kaufman road place and there met A. Millar, who is responsible for the growing end of the cut flower business. Mr. Millar had his early training in the Kew Gardens, was later with J. Veitch & Sons at Chelsea, London, drifted to America and was for six years proprietor of the Rhode Island Greenhouses at Providence, R. I. In spite of his long experience, however, Mr. Millar insists that growing cut flowers under glass in Texas is quite a different proposition to that in any northern section.

Soil and water conditions enter into the problem to some extent, but the climatic conditions are the ones that most bother a florist used to conducting an establishment where the temperature is practically under control the year around. Here in Dallas, there are but a few days in any winter when the mercury hovers around the zero point, but there are other days in mid-winter when the thermometer will register 90° or over. The present winter has been unusually severe and so more to a florist's liking (excepting for the fuel bill). Under such conditions bursted calices are the least of his troubles.

However, with all the drawbacks, excellent cultural conditions are maintained and the plant is kept in excel-

lent order and made a constant producer. One of the great difficulties experienced here is from the grub worms found in the manure, which burrow through the soil and cut off the rose stems just beneath the surface. About the only way so far found to overcome this evil is to cook all the fertilizer used. This may be considered rather expensive, but it is found cheaper than devastated houses.

The greenhouses are light and well ventilated. The houses need to be

at present 12,000 plants of it in flower. Then there are 4,000 White Perfection and 12,000 Enchantress and White Enchantress. The old Queen Louise is still grown to a limited extent. Gloriosa and White Wonder are being tried out this season and well liked. White Wonder is so well considered that it will largely displace White Perfection, while Gloriosa is preferred to Rose Pink Enchantress.

Lily of the valley is successfully forced here during the winter months,

there are 40,000 Dutch hyacinths grown under glass. Out of doors a little later 200,000 Spanish iris and 100,000 tuberoses will be brought into flower. The stored bulbs are kept even in winter in a room that is artificially chilled.

The orchid house is devoted to cattleyas, mainly *C. Trianae*, *C. labiata*, *C. Schroederæ*, *C. Mossiæ* and *C. Gigas*. The greater part of the cut is brought in for Christmas selling. A limited number of cypripediums are also grown. Twenty thousand chrysanthemums are grown in season, but there are very few brought into flower later than about December 1. Some 5,000 poinsettias are brought in for Christmas. A house of *Kentia Forsteriana* is a very good producer as these plants are naturally very thrifty in this climate.

The flowering plants at the Haskell Avenue Floral Co. greenhouses are in particularly good shape at the present time. This establishment is under the sole direction of H. Donnelly, one of the directors and executive committee of the Green Floral Co.

The Green Floral Co. was incorporated for \$125,000 in 1909 and has been on a dividend paying basis ever since. The directors are: E. H. R. Green, president; L. R. Bergeron, vice-president; E. Corley, secretary and treasurer; E. M. Reardon, H. C. Coke, A. Millar and H. Donnelly.

FREDERICK, MD.—C. Hermann & Son have a fine assortment of plants in exceptionally good condition for Easter, lilies, cinerarias, clycamens and bulbous stock will all be ready for that day.

LYNN, MASS.—William Sim, president of the National Sweet Pea Society of America, delivered a lecture on "Sweet Peas and Their Culture" before the Houghton Horticultural Society March 6.

TRENTON, N. J.—The Blackmon Floral Co. has let the contracts for the erection of two new greenhouses, one 28x100 feet and the other 28x75 feet. The store on North Broad street will be remodeled and new fixtures installed.



BRIDESMAID ROSES AT THE GREEN FLORAL CO.'S DALLAS, TEX.

shaded practically the year around on account of the direct rays of the sun and the clear atmosphere that prevails here. The greenhouses are mainly of Deitsch construction. They are heated by means of three Babcock & Wilcox Co. high pressure boilers fed by crude petroleum. During the present severe winter a car of oil has been consumed on the average of every two days. The plant consists of the following houses: 15 rose houses, each 28x200 feet; three rose houses, 28x100 feet; three American Beauty houses, 28x200 feet; seven carnation houses, 28x200 feet; six houses for asparagus, lilies and chrysanthemums, 24x150 feet; one orchid house, 12x100 feet; one kentia house, 12x100 feet; two propagating houses, 12x100 feet, and three fern houses, 12x100 feet.

The roses are all clean, thrifty plants. American Beauty, Bride and Bridesmaid are the leading varieties grown. Rhea Read is given the preference to Richmond. Killarney is not grown at all extensively as this climate demands a rose of more substance, one that does not burst wide open with the rapidity of Killarney. A few Dark Pink Killarney are being tried out as the rich color is well liked by buyers. Mrs. Taft is liked as a summer rose, but said to be inclined to rest in winter.

Carnations are in especially good crop at the present time. The 3,000 O. P. Bassett are good healthy specimens of plant life and are in particular favor here. Aristocrat is grown in the same quantity and is considered by Mr. Millar as especially good for the south. It is one of the freest flowering of the carnations grown here. Lawson-Enchantress is also well liked as may be seen from the fact that there are

but only about 150,000 bulbs are stored annually as it is too hot during the greater part of the year to do much with it. At the present time the lily of the valley appears especially good. Twenty thousand Easter lilies are being forced for Easter and the young plants look particularly good. Just how well they can be grown in the southwest is shown herewith in our reproduction of a photograph of one of the lily houses taken just previous to Easter one year ago. Then



CATTELYAS AT GREEN FLORAL CO.'S, DALLAS, TEX.

Superintendent A. Millar in the aisle at the left.

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

Tuberous Tropaeolums.—Some years ago Mr. Filtzherbert came to the same conclusion as Mr. Arnott and others, that there was an earlier-blooming variety of *Tropeolum tuberosum*. In confirmation I will add my testimony that climate, at any rate, has nothing to do with it. I first knew the plant in Jersey, where it flowered in late autumn. Next, in a garden in Devonshire, I know where it bloomed (on a northeast wall) in August. My next experience of it was in Scotland, where I saw it in flower on a cottage by the roadside near Ayr in July, and on a cottage in Wigtonshire in August. Is it not probable that it, like many another plant, dislikes root disturbance, and that if one can leave it alone (covering up the tubers in winter) it will flower freely and early provided it is planted in poor soil—probably lime-rubble—the early Devon patch being planted in a north house-border among many other plants. I have here many tubers from the said Devon garden planted in various places, and after three years I am still without flowers—but I lifted the tubers. The growth last year was very strong, and a quantity of tubers formed. One bulb I gave away. This was planted on a little bank full of escallonia roots, and did produce one bloom last year. I think this all goes to show that position, a suitable rooting medium, and non-disturbance of roots are necessary to make the plants bloom.

New Rambler Rose Rowena.—Rambling roses continue to increase in popularity and numbers, and considering the trend of the taste of those who are specially interested in roses and the activities of raisers of new varieties, it may be assumed that the day is far distant when some decline may be anticipated in the favor with which these elegant roses are regarded, or in the number of novelties introduced. The list of rambling roses is somewhat lengthy, hence it is that novelties which possess the attributes essential to a variety of the first-class not only merit the attention of the rose-loving public, but are likely to receive the warmest welcome when their high qualities become known. The beautiful variety Rowena is one of the most notable roses of its class that have been introduced within a recent period, and should, when distributed in the coming spring, have the instant attention of those who are interested in rambling roses. It belongs to the Wichuraiana section, is really vigorous, and the flowers are profusely produced in large and elegant trusses. The color is best described as transparent rose-pink, with a slight shading of mauve, and in this respect the variety is quite distinct. Rowena was raised from seed in the nurseries of William Paul and Son, Waltham Cross, and is a valuable addition to the list of rambler roses.

Saintpaulia ionantha.—Such a delightful group of this charming little Gesnerad as was shown from the gardens of Hatfield House on January 23 at the Royal Horticultural Hall should serve to still further direct attention to it as a charming winter-flowering plant. It is of easy propagation, while its cultural requirements are not at all exacting. If the leaves are put in as cuttings, they quickly form plants, while seed is also readily obtainable. Raised in this way, there is, however, frequently a certain amount of individual variation, while from leaf-cuttings one need increase only the very best forms. Those shown as above-mentioned represented a particularly fine, richly-colored type. Like many other gesneraceous plants, this saintpaulia thrives best in a compost containing a fair

amount of leaf-mould. An intermediate temperature suits it well. It is a native of the Usambara Mountains in Central Africa, and has been cultivated in this country for some years. Some of the more distinct forms have been grown separately, but the most striking is that with rich bluish-purple flowers.

The Value of Ashes in Winter.—The true worth of coal-ashes does not seem to be realized even by professional gardeners; and certainly those less experienced do not understand their saving powers. Should ashes have to be bought, it would not entail much expense; but usually, with a little forethought, enough can be saved from most houses for ordinary purposes. The saving of the lives of many precious plants can be effected by the placing of a few handfuls in and around their crowns. They will be saved from two possible evils by so doing—from rotting away and from being eaten by slugs. The most precious plants can have their crowns well covered, while those with delicate stems, which are liable to decay, can be well surrounded with the ashes. I have found them invaluable for keeping expensive delphiniums, choice old carnation plants, phloxes, crinums, lupines, hollyhocks and outdoor fuchsias. Of course, there are many others; in fact, any plant you think may be a prey to the slug or the wet weather. The ashes are easily removed in the spring, when danger is past.

The Winter Heliotrope.—The fragrant flowers of the winter heliotrope (*Petasites fragrans*) warrant the plant a position in the garden, for they open in January and scent the air for some distance. Essentially a subject for the wild garden, or for a position where a choice plant would not thrive, the winter heliotrope is not exacting in its requirements, for it thrives on fairly dry, poor soil, and also about the margins of a lake or stream where it may be occasionally covered with water. It varies considerably in height, according to the quality of the ground in which it is growing, and may be seen at any height from three inches or four inches to upwards of one foot. The lilac flowers are borne in strong, upright panicles, and are over before the large, rounded leaves develop. A plant or two introduced into the garden will soon develop into a large clump, and give no trouble other than restricting its growth when it is likely to grow out of bounds.

Trees in Paris.—According to some recent statistics given in "Le Jardin," the number of trees in the Parisian boulevards is 86,154, representing some 21 species. The planes are the most strongly represented, and of these there are 26,254 trees; the horse chestnut ranks next with 16,662 trees, followed by 14,173 elms, 8,920 *Ailanthus glandulosa*, 5,960 maples, 4,788 sycamores, 3,903 acacias (robinias), 3,197 limes, 942 paulownias, 539 cedars, 344 American walnuts, 238 sophoras, 123 poplars, 34 negundos, 27 service trees, 26 planeras, 18 pterocarpus, two ash, and one mulberry and catalpa.

One Thousand Pounds for Sweet Peas.—This year the munificent sum of £1,000 is being offered in cash prizes for sweet peas by Mr. Eckford, the well-known sweet pea specialist. The amount is divided over five classes. The scheme caters for the cottager as well as the amateur employing one or more gardeners. One class is open to professional gardeners, and another to boys or girls under sixteen years of age. All entries must be posted to Wem on June 26, 1912.

OYSTER BAY, L. I.—Well-known florists of this village and vicinity are organizing the Oyster Bay Horticultural Society.

Washington.

BUSINESS GOOD DURING LENT.

Although there was some complaint of dullness in business during the early part of last week, Saturday was an excellent day. In fact the business of two days had to be crowded into one for on Friday there fell what the weather sharps call "torrential rains," and the streets were nearly deserted. The eve of St. Patrick's day stirred things up, in fact, it will be recalled that in the past a good many things have got mixed around St. Patrick's day. The dyers, as usual got in their work on carnations and even went so far as to dye roses. Just think of it. These dyed flowers might be worshipped without violating the great commandment against idolatry for they do not look like anything we have ever seen on the earth or from the waters under the earth. However, dyeing flowers may be classed as shocking had taste rather than as a sin, and very few real Irishmen wear them. Compared with other forms of humbug and hypocrisy that are being constantly practiced, much of it by government officials, we can let it pass. Nobody is likely to eat dyed flowers so there is no violation of the pure food law. But in the light of recent events it appears that the enemies of pure food, that is the dopesters and adulterators, are stronger than the government. One of the retailers remarked recently that business had been better thus far during Lent than in any previous season he could recall. As the heavy rain of last week has seemingly cleared the air, it is hoped that the fine weather will continue throughout the remainder of the month and thus insure a good Easter stock. Some of the growers have been fearful that if dark weather continued a large portion of their lilies would not be in flower.

NOTES.

J. A. Peterson of Cincinnati was in this city on March 12. He was accompanied by his young son the state of whose health is delicate, and it is hoped that travel and change of scene will be beneficial.

Fred Michell of Philadelphia was a visitor. He attended the anniversary dinner of the Baltimore Gardeners' and Florists' Club and then came on to call on old friends. A. F. F.

Baltimore.

SIGNS OF SPRING.

We have read that when we hear the twittering of sparrows in the early morning that spring has come. We hear the birds, but as for spring we have had a carpet of snow for several days and chilly winds that blow from the northeast.

CLUB ANNIVERSARY.

The twenty-fifth anniversary of the Gardeners' and Florists' Club of Baltimore was duly celebrated at Mt. Holly Inn, March 11, and proved to be a great success. The floral decorations were beautiful and unstinted. Festoons of Southern smilax trailed from the ceiling, twined the pillars supporting the reception and banquet hall and softened the light of chandeliers. Tall palms, banked with velvety cinerarias in rich shades and masses of carnations lent color, and on coming in from the snowy world outside a typical view met the eyes. The guests numbering nearly 300 were seated at small tables, each with its own decorations of carnations or spring flowers; but the speaker's table, seating about 50 people, was exquisite with mounds of lilies, spring flowers and vases of choice roses. Wm. Feast was chairman of decorating committee.

Pres. Robt. Graham, in a neat speech praising Robert Halliday, presented him with a silver punch bowl on be-

half of the club and to the memory of the late Robert Halliday, its first president. An excellent orchestra furnished music during the entire evening, and Hobart Smoek, a celebrated tenor, sang between the after dinner speeches.

Toastmaster Wm. B. Sands introduced the following who responded, Ex. Gov. Warfield, City Comptroller James F. Thrift, Richard Vincent, Jr., president S. A. F., Robert Craig, Philadelphia, Prof. T. A. Symons, College Park, Robert Graham, president of the club, Hon. Geo. W. Williams, president park board, A. S. Goldsborough, Baltimore, Wm. F. Gude, Washington, D. C., J. Otto Thilow, president Florists' Club of Philadelphia, A. T. De La Mare, New York, John Wescott, Philadelphia.

Preceding the banquet a business meeting was held and the following officers elected:

Wm. Christie, president.
Wm. Johnston, vice-president.
N. H. Flitton, secretary.
Geo. Talbot, financial secretary.
F. G. Barger, treasurer.
C. M. Wagner, librarian.
B. S. Merritt & Co. of Grange, expect to build another house for American Beauties in the spring, 54x100 feet of King's construction. Their range now consists of 25,000 square feet of glass, growing lilies, carnations and roses. They have a sport of bright Enchantress that shows up well.
Among the visitors this week was D. T. Connor, of the Foley Mfg. Co., Chicago.

NOTES.

F. C. Bauer of Govan's is cutting fine mignonette and his houses of carnations are doing well. Mr. Bauer erected two large houses last fall after his return from Europe. Potted roses are grown in one; the other is filled with miscellaneous plants.

The windows at Wm. J. Halliday's presented a veritable tulip bed one day last week. Brilliant yellow and scarlet tulips with ferns as background, and trailing baskets of green above, held the eyes of the passing crowd.

We thought of Florida as we looked in Halliday Bros.' store. Green moss, pines with their long, fragrant needles holding the gray Florida moss, and in the center an araucaria.

John Wagner of Towson has started to erect a large house, but unfavorable weather has caused him to delay work on the building until later in the spring.

S. Feast & Sons' windows of yellow and white were pretty and dainty, yellow Azalea mollis and white lilacs predominating.

James Hamilton of Mt. Washington is planning to do some building in the spring.

The Florists' Exchange are receiving very good carnations and roses B.

Rochester, N. Y.

TRADE GOOD.

The spring openings are having a good influence on the business of this week. The leading florists have had many calls for Southern smilax and the renting of palms and ferns. The weather on the whole was better last week and the sunshine was gratefully welcomed by the growers. Trade conditions are good. Flowers are very plentiful and of good quality. Carnations just now are of very fine quality and bringing fair prices. There is an abundant supply of sweet peas and violets and they find ready sale. Roses are coming in good just now, but Richmonds are quite short-stemmed. Killarney and White Killarney are always good sellers. Prices on bulbous stock are good, daffodils, hyacinths and tulips meeting with quick sales. Azaleas are also of fine quality. Among

other flowering plants now offered are lilacs, genistas, deutzias, cinerarias, etc.

CLUB MEETING.

The monthly meeting of the Rochester Florists' Association was held Tuesday, March 11. C. M. White, of White Bros., Gasport, gave an interesting paper on "Carnations." There were several exhibits by the local florists, amongst the varieties shown were White Wonder, White Enchantress, White Perfection, Gloriosa, etc. Favorable comment was given to the White Wonder exhibited by H. E. Wilson and grown by Harry Merritt of Irondequoit. A paper at this same meeting was also read by C. B. Ogsten of Mrs. Kimball's greenhouses, the topic being "Roses." Several good exhibits were shown. The association decided to hold its annual banquet at Powers' hotel March 26, and the date of the flower show was fixed for the week commencing November 3. The next meeting will be held on April 8, when John Dunbar will give a paper on "Pruning."

NOTES.

H. E. Wilson has a fine display of Dutch hyacinths at the Main street store. He reports that business is good and he has several large orders for green carnations for St. Patrick's day. This promises to be a very busy season. They were busy last week with funeral work, sending over 26 pieces to one funeral, including a very large wreath of pink and white roses sent by the B. R. & P. R. R. Co.

R. W. Wilson, of the Rochester Floral Co., has had a severe attack of tonsillitis and has been confined to his room for nearly two weeks. He is making good progress now.

Joseph Werdein, formerly of Geo. Boucher, is now with E. H. Wilson. Two other clerks have also been added, Misses Bonibel Trenham and Cybil Nellis.

H. C. Schulz, representing Chas. Zinn & Co., willow ware manufacturers, had a fine exhibit of baskets, etc., at the Powers' hotel March 13.

H. P. Neun had a very attractive window display last week-end—the color scheme being purple and white.

Zirkman, of M. Rice & Co., Philadelphia, Pa., was in town last week calling on trade. H. J. H.

Albany, N. Y.

One of the most enthusiastic meetings of the Florists' Club for some time was held on the evening of March 7. An attendance of about 40 was secured by the announcement that there would be an exhibition of new varieties of roses and carnations, and these, displayed in vases upon a table in the middle of the assembly room, attracted attention and comment. Peter Fisher, Ellis, Mass., sent a large vase of his new variegated carnation, Benora, which he introduces this spring, and John C. Hatcher, Amsterdam, sent some choice specimens of Asparagus Hatcherii, a variety of A. plumosus, which originated with him and he is introducing. Several of the new roses which have been mentioned lately in THE AMERICAN FLORIST were also on view. An attractive exhibit of snapdragon contributed by Frederick Goldring, Slingerlands, brought out an interesting discussion late in the evening on the desirability of the retail florist carrying in stock some flowers, like the snapdragon, to cater to the demand of many people of wealth who become tired of a constant round of carnations and roses. A discussion on the methods of growing of to-day as compared with 30 years ago took place, and the consensus of opinion seemed to be that the improvement of three decades is in methods, and not in varieties. President Danker made an in-

teresting report on his visit to Ithaca on February 23, the date of the organization of the state association. He and Louis Menand arrived at Ithaca too late for the meeting, but the work in the experimental greenhouses at the State College of Agriculture proved instructive and suggestive. Louis H. Schaefer, chairman of the entertainment committee, in behalf of the club, presented to the secretary, Robert Davidson, a silk umbrella. The secretary, after he had recovered in a measure from his surprise, responded feelingly. One new member was elected and two applications received. The gathering came to a close with the enjoyment of light refreshments. The next meeting will be held on Thursday evening, April 11, at the establishment of Luie Marx, 1054 Madison avenue. R. D.

Montreal.

TRADE VERY GOOD.

Lent has not as yet been felt very much in the floral trade and this is no exception to former years. It is the last two weeks in Lent when trade is rather dull, but if funeral work keeps up at the present rate that dullness will perhaps not be noticed this year. Last Saturday there was a regular run on funeral work and most florists who have a Sunday express delivery from the western growers had to wait for this to finish all the work on hand. The weather is still very severe and the thermometer going below zero every night, but the days are very bright, which helps flowers greatly. Roses are really good though there are hardly enough to go around. Carnations are more plentiful, but with a tendency toward weak stems. Violets are at their best as are also sweet peas. The bulbous stock is very good all through, and is moving nicely. The Easter plants are coming along nicely but lilies will require a lot of forcing. Hydrangeas, in some instances, have the yellows badly. Every gardener uses a different remedy, but nobody has a cure. Roses in pots look all right at present and should sell well.

NOTES.

A preliminary programme has already been drawn up by the local members of the Canadian Horticultural Association for the coming convention next August and when the executive committee meets here March 18 it will be presented to them for approval. A number of the committee have already signified their intention of attending the meeting, so we expect to have a full house.

The meetings of the Montreal Gardeners' and Florists' Club are very interesting this year. Essays are read at every meeting and the discussions are very keen and the question box is largely used. The attendance is in excess of last year, but it is to be regretted that the president is so busy a man that he is hardly able to attend.

The sympathy of the members is extended to Mrs. Miles upon the death of her husband, W. Miles, a member of the Gardeners' and Florists' Club, who died at the home of the incurables of consumption.

The Countess of Warwick will give a series of lectures on "Horticulture as a Profession for Women" in Canada, and this should prove of interest to all gardeners.

W. Tully has left for sunny California for a better job. LUCK.

Worcester, Mass.

The first spring flower show of the Worcester County Horticultural Society was held in Horticultural Hall March 7. The hall was exquisitely decorated with flowers and plants, and the society and exhibitors were complimented by those attending for the de-

lightful spectacle. The feature of the show was the new carnation Eureka shown by Leonard C. Midgley, who, with Walter E. Brayer, conducts the Westboro conservatories, Eureka is a seedling from Old Glory X Robert Craig produced in 1904 by F. A. Blake, Rochdale. In color it is a deep, beautiful red, and blossoms freely. Mr. Midgley was awarded a Blake medal for this seedling; and William Anderson, gardener for Bayard Thayer of South Lancaster, was awarded another for an excellent display of amaryllis, which were much admired. H. F. A. Lange had a fine display of roses. W. A. Munda, South Orange, N. J., was among the visitors. The awards were: Cut flowers—Edward W. Breed, first; H. F. A. Lange, second; Alyne W. Hixon, third. Carnations—Leonard C. Midgley, first; A. B. Knowlton, second; Mrs. John C. Whitin, third; George W. Knowlton, fourth. Orchids—Mrs. John C. Whitin, first; George W. Knowlton, second. Azalea indica—H. F. A. Lange, first; George W. Knowlton, second; Azalea indica, three plants—H. F. A. Lange, first. Begonia Gloria de Lorraine—H. F. A. Lange, first; George W. Knowlton, second. Cineraria—Mrs. Percy C. Forbes, first; Alyne W. Hixon, second. Cyclamen, four plants—H. F. A. Lange, first; Edw. W. Breed, second; George W. Knowlton, third. Cyclamen, one plant—H. F. A. Lange, first; Edw. W. Breed, second. Hyacinths—Edw. W. Breed, first; Mrs. Westley C. Ward, second. Orchids, one plant—George W. Knowlton, first; Mrs. John C. Whitin, second; H. F. A. Lange, third. Primula sinensis—Edward W. Breed, first. Primula—Edw. W. Breed, first; Alyne W. Hixon, second. Cut flowers—H. F. A. Lange, first. Basket—H. F. A. Lange, first; Alyne W. Hixon, second; Mrs. A. E. Underwood, third.

NOTES.

The carnations of H. A. Cook are looking very good, especially Enchantress. R.

Connecticut Horticultural Society.

The meeting of the Connecticut Horticultural Society, held March 8, was "Cineraria and Cyclamen Night," and two tables of potted plants of both these flowers, comprising about 50 specimens all in full bloom were staged by President John F. Huss. Mr. Ross, a representative of Charles H. Totty, who was present and addressed the members, said that a finer collection was rarely ever seen, even in metropolitan cities like New York and Boston. The judges, C. H. Sierman, Wm. H. MacKenzie and John Gerard, promptly awarded Mr. Huss a diploma. C. H. Totty was also granted a society diploma for his new Wodenethe carnation, a very large white seedling that is bringing him many medals and certificates of honor from horticultural societies.

A valuable paper, prepared by Alex. Cumming, Jr., head gardener of Elizabeth park, Hartford, on the subject of "The Annual Plants," was read by the secretary, Mr. Cumming being slightly indisposed following an attack of la grippe. This paper was very comprehensive and gave so many useful hints, especially to amateur gardeners.

March 22 will be "Rose Night," and Charles Roemer of Hartford has promised to address us on the subject of "The Flora and Fauna of Alaska." A large audience is expected.

George E. Hoadley, who presented the Hoadley Memorial bridge in our Bushnell Park to the city of Hartford, was welcomed into membership. Gradually the society is attracting to it such men as this, who are not directly connected with horticultural pursuits.

GEO. W. SMITH, Sec'y.

OBITUARY.

The Late Joseph Heintl.

In the death of Joseph Heintl from an attack of a paralytic type, March 11, as announced in our issue of last week, the trade has lost one who has been always in the front rank in any movement to assist the business, and Jacksonville, Ill., has lost a citizen prominent in its business and social life.

Joseph Heintl was born January 13, 1838, near Eger on the border line between Bavaria and Austria and was at the time of his death 74 years of age. With his parents and three brothers he came to America settling in Toledo, O., in 1856. Four years later he located at Terre Haute, Ind., where he engaged in the nursery and florist business. In 1870 he moved to Jacksonville, Ill., and established himself in the florist business at the present site of the Joseph Heintl & Sons' greenhouses where he resided. He subsequently erected a residence on Greenwood avenue where he lived at the



Tha Late Joseph Heintl.

time of his death. Beginning in a humble way he built up a business which became of large importance and he took a prominent place among the substantial and successful citizens of Jacksonville. He was a man of strong character, plain of speech and maintained high ideas of honesty, integrity and high living.

He married in June, 1866, Miss Mary E. Francis at Toledo, O., who with six children survive him, five sons, Harry of Toledo, Edward D., William, Orlando B. and Ernest B. of Jacksonville and one daughter, Miss Adele. There are two brothers, George A. of Toledo, O., and John G. of Terre Haute, Ind., both well known to the trade, and two grandchildren.

He joined the Society of American Florists in its early days, which membership he continued for many years. He was a member of the I. O. O. F. and the Masonic Lodge, Chapter and Commandery, both bodies rendering their services at the funeral which took place at his late residence, March 14. The floral offerings were of unusual beauty and the interment was in Diamond Grove cemetery.

Patrick McKenna.

Patrick McKenna, the oldest resident of Cote des Neiges and a pioneer in the floricultural trade of Montreal Can., died at his home, March 15, aged 93 years. He was born in County Cavan, Ireland and came to Canada in 1847, becoming a private gardener in Cote des Neiges. Later he became a tenant and afterwards established himself on the property, devoting himself to the production of flowers, fruits and vegetables, and founded the firm of P. McKenna & Son. He retired from business twenty years ago being succeeded by his son, James McKenna, who with his two sons, Frank and Leo, have conducted the business. Mr. McKenna took active interest all his life in charitable and religious affairs. He is survived by a widow, one son, and three daughters. The funeral took place on Saturday morning, and the interment was in Cote des Neiges cemetery.

Michael H. Lawlor.

Michael H. Lawlor, an expert on the care and propagation of trees, and widely known to horticulturists of the country, died at his home in Flushing, Long Island, N. Y., March 14, aged 63 years. He was born in Ireland and came to this country when a young man and went to work for the Parsons' Nurseries at Flushing, and assisted Robert S. Parsons in importing trees and shrubs from Europe, Asia and Africa, care of which was intrusted to him, and he became an expert in that particular branch. At the death of Mr. Parsons he went into the nursery business from which he retired some 10 years ago. He is survived by a wife, three sons and two daughters. The funeral was held from St. Michael's church Saturday, March 16,

Greenhouse Building.

Denver, Colo.—South Side Greenhouses, five large greenhouses.

Fort Wayne, Ind.—Frank J. Knecht, five greenhouses 27x200 feet, one house 29x200 feet.

Trenton, N. J.—The Blackmon Floral Co., one house 28x100 feet, one house 28x75 feet.

Baltimore, Md.—James J. Cummins, three houses 35x200 feet.

West Newbury, Mass.—Charles F. Newell, two houses.

Mt. Holly, N. J.—T. N. Fraiser, one house 20x50 feet.

Chestnut Hill, Pa.—Myers & Samtman, one house 22 feet 7½ inches by 300 feet.

Aurora, Ill.—W. B. Davis, two houses 30x300 feet.

Winnetka, Ill.—Douglas Smith, one house.

Glencoe, Ill.—O. G. Foreman, a range of houses.

Sioux City, Ia.—J. P. Newton, one house.

Spokane, Wash.—J. W. Duncan, Superintendent of Parks, nine houses.

Roelefs, Pa.—Joseph Heacock Co., one house 72½x600 feet.

Philadelphia, Pa.—George Anderson, two houses.

Philadelphia, Pa.—John Burton, one house 31x150 feet.

Hathoro, Pa.—Harry Weiss & Sons, one house 35x300 feet.

Lansdowne, Pa.—August Doemling, two houses 50x150 feet.

New Haven, Conn.—H. A. Groves, one greenhouse.

MESSRS. Lovejoy and Miller, representing the King Construction Co., North Tonawanda, N. Y., were in Chicago for flower show week, March 12-17.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send he old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST, 440 S. Dearborn St., CHICAGO

THIS ISSUE 112 PAGES WITH COVERS

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CHICAGO, March 20.—Policemen and others are wearing ear muffs on the street here the first day of spring this leap year of 1912.

It is a sign of the times that Fleischman, one of the Chicago retail florists, is now using full page advertisements occasionally in the daily papers.

ROBERT CRAIG, as recently demonstrated by his enthusiastic friends at the LaSalle hotel banquet of the Chicago Florists' Club, and on many another similar memorable occasion, certainly stands first in the hearts of his fellow craftsmen.

Glass Situation.

There has been an advance of 30 to 50 cents a box in the greenhouse sizes of glass this week, caused by the advance of 40 per cent in wages agreed upon at the conference the United Glass Workers' Association. A prominent dealer states that a further advance will surely be made later and at present prices glass is still a good speculation.

Ladies' Society of American Florists

Mrs. James W. Brown, president of the Ladies' Society of American Florists, appoints the following officers on board of directors: Mrs. Chas. W. McKellar, Ill., chairman; Mrs. Richard Vincent, Jr., Md.; Mrs. B. Hammond Tracy, Mass.; Mrs. E. A. Feters, Mich., who will fill the place of Mrs. Fred H. Meinhardt, deceased.

Introduction committee: Mrs. Geo. Asmus, Ill., chairman; Mrs. Fredk K. Bauer, Md.; Mrs. J. C. Vaughan, Ill.; Mrs. Geo. H. Cooke, D. C.; Mrs. Frank H. Traendly, N. Y.

MRS. CHAS. H. MAYNARD.

The Chicago Spring Show.

The first spring show of the Horticultural Society of Chicago was not a financial success, there being a deficit of something like \$1,500. There were, however, approximately 32,000 visitors during the six days of the show and the publicity secured for the trade is considered well worth all it cost, so much so that the society's executive committee, at a meeting held March 20, J. C. Vaughan presiding, appointed Geo. Asmus, Ernst Wienhober, August Poehlmann and Carl Cropp a sub-committee to prepare a premium list for the second spring show next year, the premiums not to exceed \$3,000. Growers and others interested are requested to send in suggestions now, addressing them to the secretary, Jas. H. Burdett, 1620 West 104th place, or any member of the premium list sub-committee.

"My Face is My Fortune, Str," She Said.

The Rural New Yorker takes Prof. John Craig to task for permitting the use of his portrait in correspondence school advertising, the details of whose operations are not supervised by the thrifty Scot. Is this not the same Craig who tried to block the philanthropic work of the National Council of Horticulture and sought to stop the very valuable free horticultural publicity it had secured? The professor was willing to prevent this publicity having no commercial interest in view and prompted solely by the desire of big-hearted men to set the public right in matters horticultural and caution the lovers of flowers, plants and trees against sharps and the wares of sharps. Fortunately, every officer of the nursery, florist and seed organizations has been favorable to the movement.

"Crepe-Chasing" Florists.

The trade in general does not for a moment countenance the acts of those, who, like the buzzard and ghoul, prey upon the dead, and not only make themselves obnoxious but bring ill-repute to all the trade, by soliciting business at the homes of those who have just died. "To see ourselves as others see us" is not always one's privilege, but the following letter in

the Baltimore Sun describes the feelings of one who was obliged to submit to this so-called "enterprise" (?), so brazenly practiced by some in the business:

TO THE EDITOR:—

I write in protest to the methods employed by certain florists or would-be florists of our city. There was a death in the morning. In the afternoon, before the undertaker had left the house, the representatives of two florists had called and left cards. The next morning a third one was there.

When the door was opened at the ring of one of them, without a word he walked into the hall. I looked at him inquiringly. He took off his hat and gloves in silence. Then in the most matter-of-fact way, remarked: "I came to see what flowers you wanted," and he produced a card.

"We're not ready to order any flowers yet," was the answer, while the door was opened for him to get out.

"Then I'll come back later for it," he said calmly.

"We'll order what we want through the phone," I replied, mentally throwing him out of the house.

Heaven knows that advertising undertakers, with their lists of bargains, are gruesome enough, but to have florists practically camp at your house at such a time to sell flowers is surely too much. Our case is certainly no exception, for another family in our vicinity suffered very recently in the same manner.

As for such florists, if they did but know it, persons with any refinement at all are immediately antagonized by such methods. They couldn't have given us the flowers.

Where will such enterprise or lack of feeling end. CONSERVATIVE.

Horticultural Society of New York.

A meeting of the Horticultural Society of New York and an exhibition will be held at the American Museum of Natural History, Seventy-seventh street and Columbus avenue, Saturday, March 23. The exhibition will be devoted primarily to orchids and roses, but other exhibits will be welcome. All are welcome to exhibit, whether members of the society or not. The exhibition will be open from 1 to 5. Schedules are now ready and will be sent on application to the secretary. At the meeting a lecture will be delivered by Robert Pyle on "Among the Roses in Europe."

The meeting and exhibition which took place February 24 were well attended. There was a superb display of cyclamens, and attractive exhibits of cinerarias, schizanthus, primulas, bulbous stock, sweet peas and other plants and flowers. These monthly exhibitions are well attended by the gardeners, who have thus an opportunity of meeting each other once a month and discussing horticultural matters. At the meeting a lecture was delivered by G. R. Cushman on "The Orchard: Insecticides and Fungicides," which was listened to by a very interested audience, who asked numerous questions. The membership of the society was increased at this meeting by five life and six annual members.

GEORGE V. NASH, Sec'y.

American Institute of New York.

The fall exhibitions of the American Institute of the City of New York will be held in the Berkeley Lyceum building, 19-21 West Forty-fourth street, as follows: Dahlia, fruit and vegetable exhibition, September 24-26, 1912. Chrysanthemum exhibition of the American Institute and the Chrysanthemum Society of America, November 6-8, 1912.

WM. A. EAGLESON, Sec'y.

Meetings Next Week.

Baltimore, Md., March 25, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.
 Cleveland, O., March 25, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.
 Lake Forest, Ill., March 27, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City hall.
 Norwich, Conn., March 25.—New London County Horticultural Society, Buckingham Memorial.
 Toledo, O., March 27.—Toledo Florists' Club.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.****For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By experienced salesman, designer and decorator; age 30. Address Key 584 care American Florist.

Situation Wanted—By a young man experienced in carnations, roses and pot plants. Address FLORIST, 2811 Mildred av., Chicago Ill.

Situation Wanted—By German florist; single; good grower of cut flowers and plants; strictly sober; prefer place near Chicago. Address Key 590, care American Florist.

Situation Wanted—An experienced gardener is desirous of securing a situation in a private place in or near Chicago. For further particulars Address Key 591, care American Florist.

Situation Wanted—In or near Chicago; an experienced carnation grower capable of taking charge; can furnish the best of references. For further particulars address Key 592, care American Florist.

Situation Wanted—Experienced in carnations; chrysanthemums and general greenhouse work; I will accept reasonable wages; good references; total abstainer. Address Key 571, care American Florist.

Situation Wanted—As rose grower and general greenhouse work; can take charge; prefer Denver, Colo., or West; best of references; 7½ years last place. Address Key 585 care American Florist.

Situation Wanted—As a first-class grower; single, sober and a hustler, and can produce the goods; ready to come by 26th of March; please state full particulars and wages. Address Key 587, care American Florist.

Situation Wanted—By gardener, married; on private place; 18 years experience with roses, carnations and pot plants. Fruit inside and outside. Vegetables, lawns etc.; best of references. Key 581, care American Florist.

Situation Wanted—Good retail man, formerly employed in the East is now in the city and would like to secure employment in a Chicago florist store; ready to go to work at once. For further particulars address Key 589, care American Florist.

Situation Wanted—As a grower; 18 years' experience growing roses, carnations, 'mums, pot and bedding plants; greenhouse or outside work; age 30 years; single; good hand for all work or private place; steady position. Address JOSEPH F. CHONTAS, 34 Columbus Ave., Port Chester, N. Y.

Situation Wanted—By first class greenhouse man, thoroughly experienced in grafting propagating, and a good grower, capable of taking charge. American, married, sober, reliable and hard worker. Good references. Eastern states preferred. Address Key 582, care American Florist.

Situation Wanted—As nursery foreman or one to take charge of landscape work in a nursery; have had several years' experience in nursery work and understand handling of men, selling, etc., and am thoroughly familiar with plants; have also had a good training in a landscape office; energetic; single; good habits. Address "E. R. W.," P. O. Box 70, Needham, Mass.

Help Wanted—A young lady florist to help in store and office; give reference. Address Key 569, care American Florist.

Help Wanted—An experienced and successful grower of vegetable plants. Give full information in first letter. W. H. BARRETT, Adrian, Mich.

Help Wanted—An experienced palm grower for commercial place near Chicago. Must know how to grow good decorative stock. Address, Key 561, American Florist.

Help Wanted—A good all-round man, one who thoroughly understands growing and watering; position in an eastern city; married man preferred; references. Address Key 570 care American Florist.

Help Wanted—Experienced gardener for outside landscape work; state experience and reference, steady position; \$75.00 per month. WM. MEHL, Landscape Architect, 23 Euclid Bldg., St. Louis, Mo.

Help Wanted—A good grower of pot plants bedding stock etc.; must understand filling porch boxes, also handle bulb stock and general line for a retail business; wages, \$15.00 per week to start, more if found worthy. M. BLOY, 880 Van Dyke Avenue Detroit Mich.

Help Wanted—At once, a sober, energetic, working foreman capable of handling help to advantage. Must be a producer of first class stock on a place of 40,000 feet of Glass, where general stock, such as Carnations, Chrysanthemums, Bedding Plants, Bulbous stock, Palms, Ferns etc., are grown to supply our retail store. Send references and state wages expected in first letter. JOHN RECK & SON, Bridgeport Conn.

Partner Wanted—Capable, dependable experienced man as a partner for raising lettuce, and who knows good location and has from \$,000 to \$5,000 to invest but desires additional capital. Box 185, Wilburton, Oklahoma.

For Sale—Retail floral store, well established, located west end St. Louis, Mo. Price \$1200.00. Address, Key 577 care American Florist.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL Great Falls, Montana.

For Sale—Florist delivery wagon and horse, both in first class condition, reasonable. JOHNSON & CHRONIS, 47th Street and Lake Avenue Chicago.

For Sale—At a bargain, about 10,000 ft. glass. Large growing trade. No competition. "Best thing on earth." Address Key 583 care American Florist.

For Sale—A dwelling, three well stocked greenhouses with an established business. For particulars address L G R, 306 W. La Fayette Ave., Fayette, Ark.

For Sale—Cheap, greenhouses, good location, equipped; doing good business; splendid opportunity for young man with small capital. G. W. PATTERSON, Corry, Pa.

For Sale—Small but good greenhouse plant and cottage in last growing town in Oklahoma; no competition within 35 miles; the best of bargains; write for particulars. Address Key 576, care American Florist.

For Sale—A splendidly equipped and good paying retail business in Chicago, including stock and fixtures. Buyer can have a long lease on store. For further particulars, call on or address, WM HARBITZ, 3435 W. Chicago Ave., Chicago.

For Sale—Modern, well-piped greenhouse, about 4,000 feet glass. Well worth the money, or could take a partner with \$1,000 to increase plant. Well established trade store in town. Greenhouses on train route. A. R. SALMON, Kalispell, Mont.

For Sale—\$3,000.00 will buy ½ interest in a good greenhouse, market garden and ranch, doing business of thirty years' standing, in one of the best markets in the United States; over 5000 feet of glass, with 600 feet of glass on hand for additional buildings; exclusive market, with no competition; ranch contains 240 acres. Or will sell the whole owner having other business demanding all his attention. Address W. J. PADDOCK, Leadville, Colo.

Wanted—To Buy—Forty good second-hand hotbed sash. J. W. MILLER Hope, Ind.

Gardener Wanted.

Expert gardener for private grounds; married, no children; state salary expected above room and board; give reference of two former employers. Address

Box 76, Waterloo, Iowa.

FOREMAN

Good grower of roses, carnations and bedding plants can secure fine situation in the Middle West by answering this advertisement today. State particulars in first letter. Address

Key 593, care American Florist.

Foreman Wanted

Working foreman, capable of growing first-class roses, carnations and bedding stock; only reliable and thoroughly experienced men need apply. For further particulars address

JANESVILLE FLORAL CO.,
Edw. Amerpohl, Mgr.,
Janesville, Wis.

FOR SALE—A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Ill.

Superintendent or Head Gardener.

Situation wanted by a superintendent or head gardener on private place; competent to take charge of greenhouse, palms, ferns, cut flowers, bulbs and bedding plants, vegetables and fruit under glass and outside, landscape gardening; German, age 29, married, no children; 12 years in last position. State full particulars in first letter. Open for engagement April 1. Address

Key 579, care American Florist.

FOR SALE**Well Established Nursery.**

Excellent location near one of Minnesota's most flourishing cities. Excellent railroad facilities. 120 acres in Apples, Small Fruit and Ornamental Stock. Good Buildings, Storage and Packing Cellar. Will be sold with or without land—long lease if desired. An exceptional opportunity if taken at once. Good reason for selling. Write

KEY 578, Care AMERICAN FLORIST.

PARK COMMISSIONER**FOR TORONTO, CANADA.**

Applications for the above named vacant position will be received by the undersigned. Applications should be accompanied with full particulars as to applicant's ability and experience, with testimonials, etc.

G. R. GEARY, (Mayor),

Chairman Board of Control,

City Hall, Toronto, Jan. 17, 1912.

Assistants in Plant Pathology

The United States Civil Service Commission announces that an examination will be held to secure eligibles qualified in Plant Pathology, April 10-11, 1912, at a salary of \$1200 to \$1600 per annum, at the several places mentioned in the circular issued by the Civil Service Commission, which will be forwarded upon request. Applications may be secured from the United States Civil Service Commission, Washington, D. C., or the secretary of the United States Service Board, at any of the places designated.

UNITED STATES CIVIL SERVICE COMMISSION,

WASHINGTON, D. C.

Buffalo.**DISAGREEABLE MARCH WEATHER.**

The weather has been about as disagreeable as March could produce, but trade has been fair with stock equal to all demands. Carnations are in oversupply and bulb stock is retarding their sale to some extent. Violets are a glut on the market, the department stores selling them at 25 cents a bunch of 50, but it is better to have them sold in a department store than on the streets, so the florists are not complaining as yet. Store openings are on this week, which will give several of the florists quite a good deal of work. Roses are in fair supply and of fairly good quality. American Beauties hold their price for good stock. Easter stock at a number of the greenhouses looks good.

CLUB DINNER AND MEETING.

The event last week was the annual banquet and election of officers of the Florists' Club which took place at the Genesee Hotel. There was a good attendance, but there were many faces that should be seen at least once a year that were missing. President McClure called the meeting to order and appointed tellers for the election of officers, which resulted as follows:

Wm. H. Grever, president.
Edward Stroh, vice-president.
Joseph Streit, treasurer.
Robert Scott, secretary.
Charles Saniford, financial secretary.
E. C. Brucker, Charles Guenther, Edward Slattery, trustees.

This year the club is manned by the younger members who are all enthusiastic and energetic workers and there is no question that the new officers will work hard to make it a banner year and the fall flower show a success.

After the dinner and election President McClure, on behalf of the club, invited W. A. Adams to take the chair as toastmaster, a position usually held by Wm. F. Kasting, who for the first time was absent and greatly missed. The toastmaster gave a detailed account of the trip to Ithaca, N. Y. The organization of the New York state federation of florists' clubs and the purpose of the organization which was fully published in the different trade papers. The toast list was not long, but lively, being interspersed by songs and lantern views of interesting places, the latter ably handled by Otto Gillis.

The speakers were Robert Scott, who spoke on the value of a flower show to the florist; David Seymour spoke on our parks, and particularly mentioned and christened Mahoney Park, one of our numerous small parks named in honor of City Assessor John T. Mahoney who was an honored guest; Mr. Mahoney spoke on city assessments and what the florist should pay from his personal observation and their apparent wealth. Ex-President McClure spoke on the general plan of the show this fall. F. C. W. Brown spoke on the art displayed to make a show a success. Wm. Donaldson, assistant superintendent of parks, spoke on what the new park greenhouses would have for the show. L. H. Neubeck spoke, as only he can, on what he thinks of the flower show. S. J. Mahoney responded to the toast, the younger element in business, and did them credit. William Legg spoke on the past and future of the club and Charles H. Keitsch responded to the toast of "The Ladies" as only he can, not forgetting to roast the toastmaster in an equally brilliant manner. William Stroh, Jr., of Attica, gave piano selections. Mr. Vincent sang and the accompanist was a polished artist. A Victrola was kept busy during the dinner. President-elect Grever was somewhat nervous over the honor conferred upon him, but upon being called

by the toastmaster ably responded and promised to make this a banner year. The decorations were very fine and artistically arranged, great credit being due to the committee, Messrs. Grever, Brown and Stroh, for their work. After one of the most pleasant evenings ever spent by the club it adjourned in the "wee sma' hours," ending with all singing "Auld Lang Syne."

BISON.

Denver, Colo.

Plainly speaking, business has been poor. The weather has continued cold with snow and also cloudy for several weeks. Hundreds of the best buyers have left for California to evade the cold spell here. Business the past few days has picked up a little, but not enough to make a noticeable decrease in the surplus stock. Carnations have accumulated until there is little room left in the refrigerators. Dumping will be in progress this coming week unless things brighten up some. Even roses have gone begging and many remain unsold. Fortunately the American Beauty crop is short and just about meets the demand. Violets and sweet peas are plentiful and have to be pushed hard to sell. Callas and all bulbous stock are in excess of the demand.

CLUB MEETING.

The meeting of the Florists' Club was held March 4, but the attendance was very poor on account of the exceedingly bad weather. Wm. Wilmore read a paper entitled "The Dahlia." A vote was taken on the applications of E. Randall Bierbauer, C. W. Fohn, Colorado Springs; August Cassier and Verner J. Davis, Denver. Applications of membership were read from Henry Monaghan and Herman Wolff, Colorado Springs, and H. G. Stewart, Denver. An entertainment committee was appointed consisting of Albert Mauff, H. D. Beleher and Geo. Zimmer. Out of town members present were John Berry, J. W. Smith, J. E. Johnson and S. R. Lundy.

NOTES.

B. E. Gillis, manager of the Park Floral Co.'s store, 1643 Broadway, has been confined to his home for several days with la grippe.

It is reported that another store will be opened in connection with the Scholtz Drug Co. at Fifteenth and Arapahoe streets.

The trade in general extend their sympathy to William Freeman, whose wife died last week.

Visitors: D. E. Dungan, Limon; Geo. Fleischer, Pueblo; F. Seigelman, representing Wertheimer Bros., New York. E. P. N.

Boston.**ROSES MORE PLENTIFUL.**

There was a cessation of hostilities in the trade during the week with a heavy bombardment at the end. There is still an optimistic feeling that the storm has passed and we are for a time at least to have fair sailing. Carnations are still in splendid shape. James Wheeler of Natick had some very fine White Perfection in the market that were well grown, good stems, bearing large perfect flowers. Carnations went up in price somewhat from the low water mark which they had reached. Roses are coming in more plentifully. We noticed some elegant My Maryland roses in Welch Bros., the largest heads which we have seen for some time. The same firm had some nice Lady Hillingdons. This rose has not been seen at its best this winter, there being so much wood taken for propagating and grafting that only the smaller grades have been sent to

the market. Radiance and Mrs. Taft are seen now, the former in splendid shape. The perfume of this rose has made many friends with the ladies, and the growth has made many converts among the growers. Richmond is with many getting short stemmed. There are no premiums to be paid on bulb stock, it all depends on the buyer and salesman. And there is a sermon in that for us all, whether we read running or walking. There has been a fair call for shamrocks. St. Patrick's day has passed, with the green carnation.

NOTES.

The widow of E. Marland died at Brockton hospital, March 12, of blood poisoning. She left a baby and three other children. This is a sad case, and we feel there is an opening for some philanthropic person to do some real charity work.

Charles Robinson of H. M. Robinson & Co., we believe would make a patriotic Irishman. Saturday he was wearing a green necktie, a shamrock and writing out orders with a pen filled with green ink. Can any one beat this?

A rain and wind storm of severity passed over Friday, leaving in its trail many washouts.

Visitors: D. McLeod, Concord; E. Chamberlain and wife, New Bedford; George Emslie, Montpelier, Vt.

MAC.

Tacoma, Wash.

Business has been somewhat quiet, but prospects are better now that spring is with us and outside gardening has begun. Some very good carnations and other sorts of cut flowers are grown and brought to the market by those who had heretofore given space for lettuce and vegetables. Bulbous stock has been fully equal to the demand with exception of Paper White narcissus. Judging from the number of good lilies coming in, we are sure to have an abundance for Easter. Every grower seems to be just on time. There have been a great many roses shipped in from Portland and California, as well as violets, and they have arrived in fine condition, but the prices generally rule low. The winter has not been very cold and all the outdoor stock has come through in best of condition. Bulbs are in bloom and lawn mowers are going regularly. Prices of cut flowers have ruled about the same as in former years with the retailers, but growers have not received as good figures.

NOTES.

The Northwestern Floral Co., taken over by J. B. Pilkington of Portland, has assumed the place of importance it deserves. Manager Severance has made a change for the better and everything shows that the man in charge knows his business and accomplishes things. It looks like an eastern place under eastern management. We congratulate Mr. Pilkington and predict good results.

A. A. Hinze has a whole lot of good stock, and business is very good. His Easter lilies are in just right and are the most uniform and best lot we have ever seen.

W. H. Manike has a fine lot of potted plants and carnations were in plentiful supply. We noticed other cut flowers of all kinds in good supply and quality.

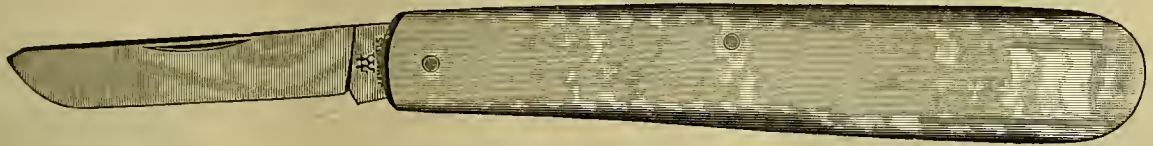
Van Slyke & Seaman are bringing in many fine carnations. They are investing in several of the new varieties.

Mrs. Watson, the Public Market florist, has doubled the volume of business so far this year and prospects are good.

F. C. Smith, C street, keeps a fine display and is having a good business.

S. L. H

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade

Will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employes. This knife can not be bought anywhere for less than \$1.25 and most dealers will probably ask more for it as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their employes) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO., 440 S. Dearborn St., CHICAGO.

This Blank Only For Use in Sending United States Orders.

American Florist Co., 440 South Dearborn St., Chicago,

Dear Sirs:—Enclosed herewith find \$2.00 in full payment of two new subscriptions to The American Florist. Please send Budding Knife as per your offer to

Name.....

Street.....City.....State.....

Please send the paper one year to each of the following:

Name.....

Street.....

City.....State.....

Name.....

Street.....

City.....State.....



Pteris Wilsoni.



EASTER PLANTS And Choice D

All Winter Long We Have Been Developing Our Stock of Easter Plants That We Can Offer Them With the Assurance That They Will Please Your



SPIRÆA GLADSTONE.

BEDDING PLANTS.

Achyranthes—rooted cuttings.	Per 1,000
P. de Bailey.	\$6.00
Metallica	6.00
Lindenii	6.00
Warszewiczii	6.00
ACHYRANTHES—2-inch.	Per 100
P. de Bailey.	\$2.50
Metallica	2.00
Lindenii	2.00
Warszewiczii	2.00
AGERATUM, Stella Gurney—2-inch.	2.00
Rooted cuttings, \$6.00 per 1,000	
Princess Pauline—2-inch	2.00
Rooted cuttings, \$6.00 per 1,000	
	Per 100
Cyclamen, seedlings, best varieties.	\$2.50
Cyclamen, 2-inch, best varieties.	4.00
Coleus, 2-inch, Pfister, red and yellow;	
Beckwith's Gem	2.00
	1,000
Cuttings, Pfister, red and yellow.	\$6.00
Gnaphalium Lanatum—3-inch.	5.00
Gnaphalium Lanatum—2-inch.	2.00
Heliotrope, 3-inch	4.00
Rooted cuttings	6.00
Chrysanthemum, Maximum, Perfectum	
(Improved Shasta Daisy), strong seed-	
lings	\$5.00
Grevillea, robusta, 2-in.	3.00
Ivy, English—	
3-in.	\$0.75 per doz.
4-in.	1.50 per doz.
Ivy, German, 2-inch.	2.00
Ivy, German, 3-inch.	4.00
Lantana Delicatissima, 2-inch.	2.00

Easter Lilies, in bud for Easter, 6-in., 12c per bud.

Baby Ramblers, in bud for Easter, 5-in., \$4.00 to \$5.00 per dozen.

Hydrangea Otaksa, in bud for Easter, 7-in., 75c each.

Rhododendrons, 75c, \$1 and \$1.25 each.

Lilac, Marie Legraye, \$1 each.

	PRIMULA VERIS (AURICULA).
3-in.	\$1.00 doz.
4-in.	1.50 doz.
	HYACINTHS (MINIATURE).
3 in a pot.	\$2.00 doz.
	TULIPS.
4-in.	\$2.00 doz.
	IPOMOEA NOCTIFLORA (MOONVINE).
3-in.	\$4.00 per 100
	ALTERNANTHERA.
2-in.	\$2.50 100; \$25.00 1,000
	GERANIUM, MME. SALLEROI.
3-in.	\$4.00 per 100
	ENGLISH IVY.
R. C.	\$10.00 1,000
	LANTANA DELICATISSIMA.
R. C.	\$6.00 1,000
	AGERATUM.
R. C.	\$6.00 1,000
	VINCAS.
R. C.	\$10.00 1,000
	TRITOMA.
Pätzeri, divisions.	\$3.00 to \$8.00 per 100
Mixed, divisions.	1.00 to 5.00 per 100
	100 1,000
Lobelia Catherine Mallard, rooted cuttings	6.00
Lobelia Catherine Mallard, 2-inch.	3.00 25.00
Marguerites, yellow cuttings.	6.00
Mrs. F. Sanders, new double white—	
2-inch	3.00
3-inch	6.00
Cuttings	15.00
SALVIA—Rooted Cuttings.	Per 1,000
Bonfire	\$6.00
Zurich	6.00
SALVIA—2-inch.	Per 100
Bonfire	\$2.00
Zurich	2.00

FERNS.

	BOSTONS.
Size.	Each. Doz. 100 1,000
2-inch	\$ 3.00 \$ 30.00 \$25.00
3-inch	\$ 1.00 8.00
7-inch	\$0.75 9.00
8-inch	1.00 12.00
Boston Fern Baskets, each,	\$1.00, \$1.50, \$2.00.
Asst. Ferns, for Dishes, 2-in.,	\$0.40 doz.; \$3.00 per
100; \$25.00 per 1,000.	
	Each. Doz.
Cibotium, 7-inch	\$2.50 \$30.00
8-inch	3.00 38.00



EASTER LILY.

Stove and Greenhouse Plants

Aspidistra, Variegated	15c p
Araucarias—	
6-in., 4-5 tiers	\$1.00 each; \$12.00 p
7-in., 4-5 tiers	1.50 each; 18.00 p
Asparagus Baskets, 1,00, 1,50 and 2,00	
Asparagus Plumosus—	
2-in.	\$0.40 per doz.; \$ 3.00 p
3-in.	.75 per doz.; 6.00 p
4-in.	1.50 per doz.; 12.00 p
Cyperus—3-in.	\$0.75 per doz.; \$ 5.00 p
4-in.	1.50 per doz.; 10.00 p
Dracena Indivisa—	
2-in.	\$3.00 per 100; \$25.00 per
7-in.	\$1.25 each; \$15.00 p
Dracena Massangeana—6-in.	\$1.25
7-in.	1.50
Dracena Terminalis—4-in	\$0.35 each; \$4.00 p
Ficus Elastica (Rubbers)—	
6-in.	\$0.50 each; \$6.00 p
Pandanus Utilis, 3-in., per doz.	
Pandanus Utilis, 4-in., per doz.	
	PANDANUS VEITCHII.
	Each.
4-inch	\$0.50
5-inch	.75
6-inch	1.00
Tradescantia Variegata (Wandering Jew)—	
2-inch.	\$0.40 per doz.; \$3.00 p
VINCAS—	
2-inch	
3-inch	
4-inch	\$2.50
	Pe
PANSIES, transplanted seedlings.	



Pteris Magnifica.

FOR THE BEST
The Geo. W. W.
EDGEBROOK

PLANTS



Pteris Serrulata.

oming, Decorative, Bedding, and They are Now in Such Fine Condition
rs and Bring Them Back for More. Get in On the Ground Floor. Order Early.

leas, Empress of India, 75c,
.00 and \$1.50 each.

nia Latifolia, \$1 each.

leas, Peach Blossom, in
oom for Easter, 50c each;
.00 per dozen.

ueen Alexandra, 50c each;
.00 per dozen.

an Maples, \$1.00 each.

Nursery Stock.

From the Field, for Spring Shipment.

SHRUBS.

	Feet.	Each.
Alba (Russian Mulberry).....	3-4	\$0.10
Alba.....	4-5	.15
Cyphina Laciniata (Cut leaf Su- y).....	2-3	.05
Cyphina Laciniata.....	3-4	.10
Cyphina Laciniata.....	4	.15
Rugosa, mixed.....	1 1/2-2	.10
Rugosa, mixed.....	2-2 1/2	.15
Rugosa Alba (Single White).....	1 1/2-2	.10
Rugosa Alba.....	2-2 1/2	.15
Van Houttei (Bridal Wreath).....	1-2	.05
Prickarpos Racemosus (Snowberry Vaxberry).....	2	.05
Prickarpos Racemosus.....	2-3	.10
Prickarpos Vulgaris (Indian Cur- bayonet).....	1-1 1/2	.05
Prickarpos Vulgaris.....	2-2 1/2	.10
Prickarpos Vulgaris.....	3	.15

PERENNIALS.

na The Pearl (Soezewort).....	\$0.10
na Asteroides (False Chamomille).....	.15
erman, named varieties, divisions ac- g to size of clump.....	\$0.02 and up
Filamentosa (Adam's Needle or Span- Bayonet).....	.10
Filamentosa.....	.15

BULBS.

	Per 100
cher, double yellow.....	\$12.00
a, light pink.....	12.00
b. Livoni, shell pink.....	12.00
owan, single.....	12.00
ownis.....	12.00
Barlet, single.....	12.00
ion, single.....	12.00
l Clumps.....	\$80.00 per 1000
Calathina—	
size.....	6c each
size.....	4c each
size.....	2c each



CRIMSON RAMBLER ROSE.

PALMS.

LATANIA BORBONICA.

2-in., 1 to 2 leaves.....	\$3 per 100; \$25 per 1,000
4-inch.....	\$3 per doz.; 20 per 100
5-inch.....	\$5 per doz.; 40 per 100

ARECA LUTESCENS.

3-in., 3 plants in a pot.....	\$2.00 per doz.; 15.00 per 100
Cocos Weddelliana, 2-in.,	\$1.75 per doz.; \$14.00 per 100;
3-in.,	\$2.50 per doz.; \$20.00 per 100.

KENTIA BELMOREANA.

Pot	High	Lvs.	Doz.	100
2 1/2-inch.....	8-in.	4	\$ 1.50	\$12.00
3-inch.....	8-10-in.	4-5	2.00	15.00
4-inch.....	12-in.	4	3.60	30.00
4-inch.....	12-15-in.	4-5	4.50	35.00
5-inch.....	15-18-in.	5-6	6.00	50.00
			Each.	Doz.
5-inch.....	18-20-in.	5-6	\$ 0.75	\$ 9.00
6-inch.....	20-22-in.	6-7	1.00	12.00
6-inch.....	22-24-in.	6-7	1.50	18.00
9-inch.....	48-50-in.	7-8	8.00	

KENTIA FOSTERIANA.

Pot	High	Lvs.	Doz.	100
2-inch.....	8-10-in.	4	\$ 1.50	\$12.00
3-inch.....	12-14-in.	4-5	2.00	15.00
4-inch.....	14-16-in.	4-5	4.50	35.00
			Each.	Doz.
5-inch.....	20-24-in.	4-6	\$ 0.75	\$ 9.00
6-inch.....	24-30-in.	5-6	1.00	12.00
6-inch.....	30-36-in.	5-6	1.50	
9-inch.....	46-50-in.	6-7	7.00	



ORDER OF US.

Wittbold Company,

CHICAGO, ILL.



Pteris Cretica, Albo Lineata.

OUR EAST

WILL BE IN FULL



80,000 Clean, healthy plants well clothed with luxuriant foliage are in exceptional fine condition and we are booking orders for these plants now at the following prices. All shipments made direct from our greenhouses if desired:

Lily Plants, 3 to 4 blooms, per 100 blooms, \$15.00; 5 to 10 blooms, per 100 blooms, \$1

Short Plants, for pans and baskets, per 100 blooms, \$10.00.

Cut Easter lilies, extra select, per 1000, \$100.00; 500 at 1000 rate.

“ “ Extra select, per 100, \$12.50; extra select, per dozen, \$2.00.

POEHLMANN

72-74 E. RANDOLPH STREET, Long

ER LILIES

DOM FOR EASTER.

OUR BEAUTIES,

s, Carnations and other stock will also be in full crop and we will be particularly well fixed on s, Mignonette, Valley, Daffodils, Sweet Peas and Cattleyas, so let your orders include a l amount of these for you will need them for your Easter Baskets and Boxes. We especially call attention to our new Roses which we can supply more liberally than heretofore.

Easter Price List In Effect April 1.

For Current Prices see last week's issue of the American Florist.

CAN BEAUTIES	Per Doz.	MY MARYLAND, select	12.00
elals	\$8.00	Fancy	10.00
neh	5.00	Medium	8.00
neh	4.00	Good Short	\$4.00 to 6.00
neh	3.00	WHITE KILLARNEY, select	12.00
neh	2.00	Fancy	10.00
neh	1.50	Medium	8.00
neh	1.00	Good Short	6.00
et stem	per 100 6.00		Per 100
	\$15.00	CARNATIONS, fancy	\$5.00
DE BULGARIE, specials		"	4.00
Autolne Rivolre or Mrs. Taft.	12.00	firsts	4.00
ey	\$10.00 to 12.00	common	3.00
lum	8.00	ORCHIDS, Cattleyas, per doz.	\$ 4.00 to 6.00
t	8.00	CALLAS, per doz., \$2.00	12.00 to 15.00
V, long	\$15.00	JONQUILS	3.00
lum	10.00	DAFFODILS	3.00
t	8.00	TULIPS	\$3.00 to 4.00
long	8.00	SPANISH IRIS	6.00 to 8.00
lum	6.00	VALLEY	3.00 to 4.00
ARON WARD, specials	15.00	VIOLETS, double	.75
ey	12.00	VIOLETS, Single, Princess of Wales	.75 to 1.00
ium	10.00	MIGNONETTE, large spikes	4.00
t	8.00	SWEET PEAS	.75
OND, select	\$12.00	SWEET PEAS, Fancy	1.00
ey	10.00	ADIANUM CROVEANUM	1.00
lum	8.00	SMILAX	per doz., \$1.50 to 2.00
l Short	\$4.00 to 6.00	SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00
NEY, select	12.00	PLUMOSUS STRING	each .60
ey	10.00	FERNS	per 1000 3.00
lum	8.00	GALAX	per 1000 1.25
l Short	\$4.00 to 6.00	LEUCOTHOE	per 100 .75
		BOXWOOD	per bunch, 25; per case of 50 lbs. 7.50

Good Short Stem Roses, \$30.00 per 1000; 500 at the same rate.

no other house in this market has such large quantities of high grade stock to offer at such low as we have and no other house is so well equipped to take care of your order as we are. When and us your orders your worry is over, we take care of them.

notice—When ordering please state if Lilies are to be in pots or paper pots or soil knocked off cked in box same as cut blooms, can be repotted thereby saving express charges.

ROS. COMPANY,
ce Phone Randolph 35 CHICAGO, ILL.

Don't Read This

If your trade demands some

Fancy Double Violets for Easter

Some that are fresh and fragrant—the same stock that took

FIRST PRIZE

at the Chicago Spring Flower Show, March 15th, 1912,

You can get them from **J. B. DEAMUD CO.**, 160 N. Wabash Ave., Chicago,
who handle our entire output.

Des Plaines Violet Co., Des Plaines, Ill.

Carnation Growers, Attention!

If you want the very best quality in

Carnation Cuttings

let us supply them. We can give immediate delivery on

White Enchantress The Sturdy, Pure White, Western
Strain, at \$25 per 1000.

Mrs. C. W. Ward

Glowing Pink, at \$30 per 1000.

White Wonder

Snow White, at \$50 per 1000

THE E. G. HILL CO.,

Richmond, Ind.

A. N. PIERSON, Inc.

Our Rose Stock is setting a pace that is hard to follow—four thousand satisfied customers are the best advertisement that we have.

New Roses for 1912

Double White Killarney and Killarney Queen:

The Two Best Roses of the Year.

Double White Killarney

This Rose will fill a place where summer quality is needed, and will be a paying Rose, as a year-'round variety, when planted by itself in quantity and given from 62° to 61° in mid-winter.

Killarney Queen Grown cooler than Killarney, it is a wonder for size and color. Beautiful, deep pink bloom, with excellent keeping quality. Our shipment to the Denver, Colorado, Florist Club shows its shipping qualities. We believe it to be the Best Pink Forcing Rose in existence.

Sunburst At the introducers' prices, only selected Grafted Plants of our own growing.

Mrs. Aaron Ward, Lady Hillingdon, Taft (A. Rivoire), Radiance, and the Best Commercial Varieties.

No order too large for us to handle, and the quality of the plants always the same in either Own-Root or Grafted.



ROSE KILLARNEY QUEEN.



ROSE DOUBLE WHITE KILLARNEY (Budlong Strain)

Carnations

Mrs. C. W. Ward, Beacon,
White Enchantress, White Perfection,
White Wonder, Winsor,
White Winsor, May Day.

Rooted Cuttings for Early Delivery.

CHRYSANTHEMUMS

Commercial Varieties only, and the best stock and varieties that can be offered.

BEDDING STOCK

Coleus, Salvia, Heliotrope,
Ageratum, Alternanthera.

If you haven't Our Catalogue, send for one. If you have one, get busy and order your supply before the rush begins. We can answer inquiries now. In two months from now we advise you to telegraph your orders or your competitor may get the plants.

A. N. PIERSON, Inc.,

Cromwell, Conn.

1887**Easter Greeting**1912*from***J. K. ALLEN****Commission Dealer in Cut Flowers****106 West 28th Street, NEW YORK**

Some may come and Others go, J. K. is still at the old stand.

Will have Spiraea Gladstone in pots, finest that comes over the pike; all varieties Tulips, Daffodils, and Lilies. Superb Brides and Bridesmaids, Richmonds, and Killarneys; also Carnations, Violets, and Orchids in quantities.

To insure prompt and efficient attention book your orders with the old reliable at 106, for anything you may need.

Telephones, 167 and 4468 Madison Square.

Price List on Application.

VISITORS ARE INVITED

to Call and Inspect

OUR NEW BUILDING

Fine Lily of the Valley, Easter Flowers,

Supplies and Wire Designs

C. A. KUEHN,**1312 Pine Street,****ST. LOUIS, MO.**

WE SWEEP THE DECK ONCE MORE

And proved that our carnations were superior in quality to all the other stock shown in competition at the Chicago Spring Flower Show and

Won Three First and Three Second Prizes

And The

Silver Cup for Sweepstakes.

More Prizes on Carnations Than any Other Exhibitor.

Only Strong, Healthy Vigorous Stock Grown

Therefore rooted cuttings from the following varieties are guaranteed free from disease and to give satisfaction in every respect. Ready for delivery now.

INCLUDE WASHINGTON

The Winner of FIRST PRIZE OVER ALL DARK PINKS.

	Per 100	Per 1000		Per 100	Per 1000
Washington.....	\$8 00	\$50 00	Scarlet Glow.....	\$3 00	\$25 00
White Wonder.....	6 00	50 00	Afterglow.....	3 00	25 00
Bonfire.....	6 00	50 00	Rose Pink Enchantress.....	3 00	25 00
White Enchantress, pure white.....	3 00	25 00	Enchantress.....	3 00	25 00
White Perfection.....	3 00	25 00	May Day, very fine.....	3 00	25 00
Victory.....	3 00	25 00			

Chicago Carnation Co.

A. T. PYFER, Manager.

30 E. Randolph St.,

CHICAGO.

Henshaw & Fenrich

Wholesale Florists

51 West 28th St., NEW YORK

Phones 325-5582-5583 Madison Square.

**Everything in Seasonable
Cut Flowers**

for the retailer. Good stock, careful packing, right price, means for our out-of-town customers

SATISFACTION

**The Best Market in
Greater New York**

for the grower, where our constant personal attention again means

SATISFACTION

**Large
Supply**



**Fancy
Stock**

Easter Lilies

Large quantities of flowers of exceptionally fine quality, and at prices that are right. Plenty of Lilies and all other Seasonable Stock; so let your orders come.

Roses

All the Leading Varieties

with American Beauty, Killarney and White Killarney showing up exceptionally well.

Those Milwaukee

Carnations

Extra Fancy Blooms

of the finest grade, with excellent keeping qualities, just right for shipping orders.

A Trial Order Will Convince You. Let Us Have It Now.

GUST. RUSCH & CO.

448 Milwaukee St.,

MILWAUKEE, WIS.

TAKE THE HINT

is not forgotten and is a name in the mind of every florist who dealt with him last Easter. He is more active than ever. He shall take care of you this Easter, 1912. His big stock of fine plants and his low prices will pull you through at all times.

The successful man in business keeps cool. Don't cry, don't worry about hard times, don't lose your head. Just keep calm and think of your old friend in Philadelphia. His name, Godfrey Aschmann, of your old friend in Philadelphia. His name, Godfrey Aschmann, of your old friend in Philadelphia. His name, Godfrey Aschmann, of your old friend in Philadelphia.

Therefore Prepare for Easter

And Come Direct to the Factory. A Great Factory of Live Stock That Never Ceases.

Twenty-five years' experience in shipping Easter plants—well known, popular, from Atlantic to Pacific Oceans. Our shipments of Easter Plants reach every city and state of the United States, Mexico, Canada, and as far as Cuba.

All Florists should this Easter time
Come see my stock quite superfine;
My glistening Araucarias,
My Lilies strong and wondrous fair,
Ferns, big and green, no rivals know,
Bulbs of all sorts, the best I grow.
There's not a flower you now can need
But I can sell you cheap indeed.

Azalea Indica.

Is another specialty of ours, inspected personally by myself on my yearly trip to Europe at our grower's establishment in Belgium, who is a specialist in cultivating Azaleas over there. Only the best American sorts are raised and imported for me.

What is the name of the Best Pink Azalea? Mme. Van der Cruyssen is the name.

Originated by the well-known Azalea specialist, Mr. Van der Cruyssen, of Ghent, Belgium. Millions are raised every year of this so world-wide known popular pink Azalea and are shipped out to every portion of the globe from Belgium. We are well provided and have a big stock of this so well favored variety in America, the Mme. Van der Cruyssen; covered with buds and flowers, ready for Easter trade, well shaped, round as an apple; in all sizes, 6-7-8 in. pots, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50 to \$3.00. On account of scarcity in Belgium of this variety, we only were able to obtain a limited quantity of the smaller sizes; therefore bigger sizes must accompany the order for Van der Cruyssen.

Simon Mardner, double pink, 60c, 75c, \$1.00, \$1.25 to \$1.50; De Schryveriana, double variegated, 60c, 75c, \$1.00, \$1.25 to \$1.50; Vervœneana, a well known double variegated variety, 60c, 75c, \$1.00, \$1.25 to \$1.50; Apollo, best red, \$1.00 to \$1.25; Niobe, double white, 60c, 75c, \$1.00, \$1.25 to \$1.50; Deutsche Perle, double white, 75c; a few good mixed varieties, such as Empress of India, Helena Thielmann and others, 75c, \$1.00 to \$1.50.

If we are out of the size and color ordered, we shall ship next color and next size, either above or below what is ordered.

In connection with Lilies and Azaleas, kindly try to buy a few other plants.

Spirea Gladstone.

What is a home, what is a store, what is a church, what is an Easter present, without having a few of the so much admired and so greatly in demand **Spirea Gladstone**, the pride of Holland? O, those charming sprays of beautiful pure white flowers! And the foliage, of such a beautiful wax deep green is a jewel in itself! Mixed with beautiful lilies and other blooming plants they will complete the flower decoration for your happy, joyful Easter home of 1912. Knowing the great demand for these plants during past Easters, when not half the customers could be supplied, we are well prepared this year for the rush, and were fortunate in spite of the scarcity last fall in Holland. When other florists' supplies were cut short by Holland growers we obtained enough of the bulbs to fill two houses with the choicest, and we are able to supply all incoming orders promptly. Price: 5½, 6 and 7 in. pots, full of buds and flowers, 35c, 50c, 75c to \$1.00 each; dozen or more, the same price. Some are as big as a small washtub.

Shasta Daisies, pure white hardy daisies, 2½-in. pots, \$3.00 per 100.

Chinese Primroses, 5½-in. pots, \$2.50 per doz.

Our New Improved **Begonia Erfordii** has no equal as a constant bloomer, winter and summer, in bloom now, 5¼-in., 25c; 5½-in., 30 to 35c; 4-in., 20c.

Asparagus Sprengeri, 2½-in., 3c; 4-in., 10c.

Asparagus Plumosus, 10,000 on hand, April, 1911, savings, big stock plants, 4-in., 10c; 3-in., 10 to 12 in. high, \$6.00 per 100; large 2½-in., suitable for edging bulb pans, \$5.00 per 100.

Our **Hydrangea Otaksa** can't be beat: full of buds; right for Easter trade: every branch nicely staked up, 2, 3, 4, 5, 6, 7 heads to the plant, 6-in. pots, 35c to 50c; 5 to 7-in. pots, 75c; \$1.00, \$1.25 to \$1.50.

Azaleas, like a plant on fire
With blooms that fill the heart's desire.
Choice Primroses, with colors chaste;
Palms grown to suit the highest taste.
The Springtime jewels are my flowers,
Pictures of life that brighten ours,
None fairer, better, you can find,
I have the best of every kind.



Lilium Multiflorum.

We have Lilies this Easter (1912) to burn, to burn; they are crackerjacks, to beat the band, the best in the land, the best in the land, the best in the land.

Three houses in **Lilium Multiflorum**, the genuine Japan Easter Lily, better than ever before. Our own importation from our general grower in Japan, raised from 9-10-in. bulbs started in 6-in. pots last October; have kept cold. Good, perfect foliage from bottom up. Plants medium size and in all heights, from 5 to 10 buds to the plant, 10c per bud; plants under 5 buds, 12c per bud. Just right for Easter. We have the finest lilies this year in Philadelphia and all over the country; is the town talk from florists and agents daily visiting our place. "We have never seen anything like it," said two well-known growers one day when visiting our place together. We have three houses full in 6-in. pots nicely staked up, medium height, and can supply all applications.

Cineraria Hyb. Grandiflora.

Readers, please, just a minute, I wish to call your attention to one of our biggest growers filled with a big selection of that so much admired Easter novelty, the **Cineraria Hybrida Grandiflora**, which will have no equal in the flower market for Easter, 1912. If you are not fortunate enough to see them growing at our establishment, then just imagine you were promoted to a paradise, to a garden in Eden, standing before a mass of flowers in various beautiful colors. This is the condition one of our Cineraria houses represents at Easter-time. Our new improved strain, planted in 6-in. pots, of medium tall sizes, are unsurpassed in the size and color of the flowers. The flowers are about twice the size of the old ordinary varieties, has big heads of flowers and good foliage; some of the plants are as big as a small apple basket. Price: 6-in. pots, 25c, 35c, 50c, 75c to \$1.00 per plant; dozen or more, same price.

Ficus Elastica or Rubber Plants, in fine condition, perfect leaves, 7-in. pots, specimen plants, 28 to 30 in. high, \$1.00; 6 to 6½-in. pots, 25 to 28 in. high, 50c to 75c; 5¼ to 5½ in. pots, 25c, 30c to 35c.

Araucarias Our Specialty.

We are the largest importers of these lovely decorative plants, the **Araucaria Excelsa**, **Robusta Compacta** and **Glauca**, the choicest last spring (1911) importation, ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the Araucarias in the future.

Look! Bargains in **Araucaria Excelsa**. Such low prices as are quoted below were never known in the history of Araucaria Excelsa. Just think! 5½-in. pots, 3-4 tiers, 16 to 18 in. high, 50c to 60c.

Plants, 5-5½-6-7 in. pots, raised from top cuttings, no seedlings. 15-18-20-25-30 in. high, 4-5-6 tiers, 2-3-4-5 years old, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each. We give big value for your money. Just think! An elephant, 6-in. pot, 4 years old, 4-5-6 tiers, 20-25 in. high, for only 75c; a jumbo, 6-in. pot, 5 year old, 25 in. and over, as wide as a bushel basket, 5-6 tiers, for only \$1.00; and what do you think! a holy terror, 30 to 40 in. and over, 5-6-7 tiers, worth \$2.00, for only \$1.25 to \$1.50.

We also have the nicest **Araucaria Robusta Compacta** and **Excelsa Glauca**, 3 to 4 tiers, 18 to 24 in. high, 25 to 30 in. across, 6-in. pots, a house full, perfect jewels, for only \$1.25 to \$1.50, worth \$1.75 to \$2.00.

Von Sion Daffodils (double nosed), best double yellow Narcissus in cultivation, three bulbs planted in a 5½ to 6-in. pot, \$2.50 to \$3.00 per dozen pots.

Murillo, Tournesole and Red **Tulips** in 9-in. pans, 7 to 9 bulbs in a pan, Asparagus around, 60c; 10-in., 75c.

Tulips, Tournesole, double, red and yellow variegated, and **Murillo**, beautifully shaded rose pink, three bulbs in one pot (4-in.), \$15.00 per 100 pots; \$1.80 per dozen.

Hyacinths, 3 plants in a 9-in. pan, edging of Asparagus Plumosus, 60c per pan; 10-in. pans, trimmed with Asparagus also, 75c to \$1.00.

Hyacinths of our own importation, four best colors, Gertrude, best pink; King of the Blues, best blue; Grand Maitre, light blue; La Grandesse, best white; 4-in. pots, in bud or bloom, \$12.00 per 100.

Diclytra Spectabilis (Bleeding Heart), hardy, 5½ to 6-in. pots, 25c, 35c and 50c.

Ipomea Noctiflora, our so well-known pure white, waxy **Moonvine**, bearing flowers very fragrant and as big as a saucer, 2½-in. pots; will make good stock for you to propagate from; \$5.00 per 100.

Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each; made up of 3 6-in. pots, 25 to 30 in. high, 50c to 60c.

Areca Lutescens, 3 plants in a 4-in. pot, 20c to 25c; 5¼-in., 3 plants in a pot, 30c.

Cocos Palms, **Cocos Weddelliana**, large 3-in. pots, 15c, 20c to 25c.

Kentia Forsteriana, in fine shape, 6-in. pots, 25, 30, 35, 40-45 in. high, 4, 5, 6 years old, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each.

Kentia Belmoreana, single plants, 5½-6-7 in. pots, 5-6-7 years old, 25-30-35-40 in. high, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots, 75c, \$1.00, \$1.25 to \$1.50; 4-in. 20 in. high, 20c to 25c.

Our Ferns this year are exceptionally very fine. **Boston**, **Scottii**, **Whitmani** and **Scholzei**, 5½ and 6 in., 35c, 40 and 50c, 7-in., large, bushy plants, 75c to \$1.00. As big as a bushel basket, \$1.00 to \$1.25, 8-in., as big as a washtub, only \$1.50, worth \$2.00 to \$3.00. Remember, all our Ferns are pot-grown, not lifted from benches.

Neph. Giatrasii, a new beautiful fern, an improvement on Scottii, much shorter and bushier than Scottii, 5½ in. pots, 50c; 3-in. pots, 20c; 4-in., 25c.

Ferns for Dishes, big assortment, 2½-in. pots, at \$4.00 per 100.

Mention if ship with or without pots.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN, Importer, Wholesale Grower and Shipper of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

Easter Cut Flowers

We are enabled to supply you with a complete line of all kinds of Cut Flowers. Place your orders early.

Our Chicago Grown Double Violets are the best on the market. They took **First Prize** at the Chicago Flower Show, March 15th, 1912.

Easter Lilies, \$12.50 to \$15.00 per 100

EASTER PRICE LIST

		Per dozen			Per 100
American Beauties, extra select		\$5.00	Caruntions		\$2.00 to \$4.00
" " 24 to 30-in.	\$3.00 to 4.00		Daffodils, Jonquils		3.00 to 4.00
" " 18 to 20-in.	2.50 to 3.00		Sweet Peas		.75 to 1.00
" " 15-in.	2.00		Daisies		1.00 to 2.00
" " 12-in.	1.50		Tulips		2.00 to 4.00
" " short	1.00		Lily of the Valley		3.00 to 4.00
		Per 100	Callas	per doz., \$1.50 to \$2.00	
Killarney	\$5.00 to \$12.00		Adlaatum		.75 to 1.00
Killarney, white	5.00 to 12.00		Asparagus Plumosus strings, each 50c to 60c		
Richmond	5.00 to 12.00		" " Sprengeri		2.00 to 3.00
ROSES, OUR SELECTION	\$4.00		Smilax	per doz., \$2.00 to \$2.50	
Violets, single	.75 to 1.00		Mexican Ivy		.75
Violets, double	.75 to 1.00		Fancy Ferns, Select	per 1,000, \$3.00	40
VIOLETS, Double Chicago Grown	1.25		Galax, per 1,000	\$1.00	
Paasies	1.00 to 1.50		Boxwood	per bunch, 25c to 35c	
Pansies, extra long stems, with foliage	1.50 to 2.00				

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

J. B. DEAMUD CO., WHOLESALE FLORISTS
 160 N. Wabash Avenue
 L. D. Phone, Central 3155. **Chicago**

Traendly & Schenck

WHOLESALE FLORISTS

Announce for the Season

The finest collection of the latest varieties in **Roses** and **Carnations**.

ROSES

Mme. Abel Chatenay, Prince de Bulgarie, Radiance, Mrs. Aaron Ward, Dark Pink Killarney, Killarney, White Killarney, Richmond, Maids and Brides.

CARNATIONS

All the latest and fancy varieties of excellent quality.

VIOLETS

The finest quality of violets and no order too large.

CATTLEYAS

We are the **Largest** receivers of cattleyas and many other varieties of orchids in the city.

BULBOUS

Lilies, Lily of the Valley, Narcissus, Hyacinths, Etc.

Smilax, Asparagus, Sprengeri, Stevia.

131-133 West 28th Street, **New York**
 Telephones 798-799 Madison Sq.

The Burpee-Quality in Seeds

Two Silver Cups, Special Silver Medal and Six Certificates of Merit were awarded to us by the National Sweet Pea Society of America, June, 1911.

The "Spencer" Type of **SWEET PEAS** **FOR 1912**

Special Re-Selected Stocks.

By reason of their increased size, waved or fluted appearance and charming blendings of harmonious colors, the new "SPENCER" TYPE may be appropriately described as TRULY GIGANTIC "ORCHID-FLOWERED." The flowers are not only of extremely large size, and attractively waved or crinkled, but are distinct also in having the outer edges of the standard and wings serrated. The standard is broad and tall; the wings are broad, well spread and generally held erect by the keel.

We were the first to grow the original **Countess Spencer** (prior to its introduction) in America. By reason of its "sportive character" it has required years of labor to perfect even the original "Countess,"—but this same tendency "to break" has resulted in giving a number of colors which now come true,—not as usually sold, but from our choice RE-SELECTED STOCKS.

For complete list of varieties with prices consult

Burpee's Blue List for 1912

A complete catalogue of 146 pages for Florists and Market Gardeners which will be mailed on application. **But only to those entitled to receive it.** Our Retail Catalogue is Free to everyone.

W. Atlee Burpee & Co.

PHILADELPHIA, PA.

For Easter

Lily of the Valley in Any
Quantity Violets by the thousand
Killarneys and Other Roses Cut Lilies
A Large Stock of Carnations Yellow Narcissus and Other
Bulb Stock

Seasonable Flowers of All Kinds

LILY PLANTS shipped in crates of 25

We Fill All Orders

Welch Bros.

Wholesale Cut Flower Market

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PAUL MECONI Wholesale Florist

55-57 West 26th St., New York

HEADQUARTERS FOR

Orchids Violets Gardenias

Every Variety of

Cut Flowers for Easter

I have the goods. Prices are right, no favorites.

My motto:

“The Greatest Good to the Greatest Number.”

Telegraph, Write, or Telephone 3864 MADISON SQUARE

Chryanthemum Novelties

EXHIBITION KINDS

Most of the celebrated Wells-Pockett Set now ready for delivery—**Wm. Kleinheinz, Mrs. Peter Duff, Mrs. R. D. Foote, Mrs. Harry Turner, Annie L. Angus, Mrs. Wm. A. Henshaw, etc.**, \$2.00 per plant, \$20.00 per dozen.

COMMERCIAL KINDS

Ramapo, Yellow, the Improved Appleton, Jennie and Wm. Turner, splendid whites, now ready, 50 cents each, \$5.00 per dozen, \$35.00 per 100.

Our Complete List of 'Mums, embracing over five hundred varieties, mailed upon request.

CARNATION NOVELTIES

WODENETHE The peerless
white

\$12.00 per 100, \$100.00 per 1000.

BROOKLYN A medium sized
every day pink

New Rose Sunburst

THE KING OF THE YELLOWS. We are still in a position to quote March Delivery on this superb Rose both Grafted and Own Root Stock. Also, **KILLARNEY QUEEN** and **DOUBLE WHITE KILLARNEY**, \$30 00 per 100, \$250.00 per 1000. Grafted Plants, 5 cents each extra.

LADY HILLINGDON, DOUBLE PINK KILLARNEY, DARK PINK KILLARNEY ROSE QUEEN, \$20.00 per 100, \$150.00 per 1000, Own Root Stock; Grafted Plants, 5 cents each extra.

RADIANCE A very fine cerise pink Rose. Tremendous grower, splendid for either indoor or outdoor growing. We have a large block of excellent stock, 2½ inch pots, that we will quote at \$60.00 per 1000, cash to move them quickly.

CHAS. H. TOTTY

MADISON, NEW JERSEY

POT EASTER LILIES

Years of experience in shipping Pot Lilies in just right condition and in proper packing makes it safe to give us your orders.

Medium Stem 10c per bloom

Long Stem, Fancy 12½c per bloom

No charge for packing flowers, average 3 to 4 flowers to a plant.

E. H. HUNT,

131 N. Wabash Avenue, - CHICAGO.

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Successor to John I. Raynor,

Wholesale Commission Florist

Selling Agents for Largest Growers. The Home of the Lily.

A full line of Choice Cut Flower Stock
for all purposes by the 100,
1000 or 10,000.

Consignments Solicited. Telephones {¹³²⁸/₁₉₉₈} Madison Sq.

49 West 28th St., NEW YORK.

Boddingtons Quality Cannas.

Are true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick. The Canna crop this year, however, is very short, and we advise placing orders early to secure stock. Delivery can be made at purchaser's option.

Red-flowering, Green Foliage Cannas

	Per 100	Per 1,000
A. Bouvier, 5 ft.....	1.75	15.00
Alice Roosevelt, 4 ft.....	3.75	35.00
Black Prince, 3 to 4 ft.....	2.75	25.00
Charles Henderson, 4 ft.....	2.00	17.50
Duke of Marlboro, 4½ ft.....	2.00	17.50
Explorateur Crampbell, 5½ ft....	2.00	17.50
President Cleveland, 3 ft.....	2.25	20.00
President McKinley, 2½ to 3 ft....	2.25	17.50
President Meyer, 4 ft.....	3.50	30.00

Pink-flowering Cannas

	Per 100	Per 1,000
L. Patry, 4½ ft.....	\$2.25	\$17.50
Louise, 5 ft.....	2.25	17.50
Mlle. Berat, 4½ ft.....	1.75	15.00
Venus, 3½ ft.....	4.25	40.00

White and Cream Shades

	Per 100	Per 1,000
Alsace, 3½ ft.....	\$1.75	\$15.00

Orchid-flowering Cannas

	Per 100	Per 1,000
Allemannia, 4 to 5 ft.....	\$1.75	\$15.00
Austria, 5 ft.....	1.75	15.00
Indiana, 3 to 4 ft.....	2.00	17.50
Italia, 4½ ft.....	1.75	15.00
Philadelphia, 5 ft.....	2.75	25.00

Orange Shades

	Per 100	Per 1,000
Wyoming, 7 ft.....	\$2.25	\$20.00
Pennsylvania, 5 ft.....	1.75	15.00

Red, Gold-edged; Spotted and Yellow Cannas

	Per 100	Per 1,000
Duke of York, 4 to 5 ft.....	\$5.50	
Evolution	2.75	\$25.00
Gladiator, 4 ft.....	2.75	25.00
Golden King, 5 ft.....	2.75	25.00
Jean Tissot, 5 ft.....	2.25	20.00
Niagara, 3 ft.....	2.75	25.00
Mad. Crozy, 5½ ft.....	2.75	25.00
Queen Charlotte, 3½ ft.....	3.75	35.00
Premier, 2½ ft.....	3.75	35.00
Souv. de A. Crozy, 4 ft.....	2.75	25.00

Yellow Shades

	Per 100	Per 1,000
Florence Vaughan, 5 ft.....	2.25	20.00
Richard Wallace, 4½ ft.....	2.75	25.00

Bronze-leaved, Red-flowering Cannas

	Per 100	Per 1,000
King Humbert, 4 ft.....	4.00	
Leonard Vaughan, 4½ ft.....	2.75	25.00
Musafolia, 3 to 5 ft.....	2.25	20.00
Robusta, 6 to 8 ft.....	2.00	17.50
Shenandoah, 6 ft.....	2.00	17.50

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business.

Our Cannas are true to name—two and three, sometimes four eyes—are sound, dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at a thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Write for special prices for quantities.

If any Cannas are not found here, it may be understood that they are superseded by the foregoing. If selection is left to us, we will substitute or send only the best for all purposes.

All the Above Cannas Sold F. O. B. New York or Chicago.

Chicago and Western Agents for Our Cannas, ONLY:

WINTERSON'S SEED STORE, 166 North Wabash Ave., Chicago.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street, NEW YORK CITY.

ROSES

EXTRA FANCY KILLARNEY, WHITE KILLARNEY,
RICHMOND, BRIDE AND MARYLAND.

ALSO

Carnations of Quality.

A Large Supply for Easter in All the Leading Varieties.
Exceptionally Fine Red, White and Pink.

No Order Too Large.

No Order Too Small.

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Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

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No Guess Work in Our Methods

All goods are placed on show at
the same time.

Having ample space, we are enabled
to do this to great advantage.



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Write Us Today.

Consignment
Notes, Small
Box Slips and
Shipping Cards Free.

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Commission
charges and
other

Valuable
Information
for the asking.



CHECKS WEEKLY

Each grower's goods are sold separ-
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recorded in triplicate.
Advice of sale note sent out day
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Large Supply

OF HIGH GRADE STOCK

For Easter

**Killarney Roses, Lilies, Valley,
Violets, Carnations, Sweet
Peas, and all other
Seasonable Stock.**

Place Your Order Early.

EASTER PRICE LIST—In Effect April 1.

GRADE—	A	B	C	D	E	F	G
American Beauties.....per dozen	\$ 6 00	\$ 5 00	\$ 4 00	\$ 3 00	\$ 2 50	\$ 2 00	
Killarney.....per 100	12 00	10 00	8 00	6 00	5 00	4 00	
White Killarney....."	12 00	10 00	8 00	6 00	5 00	4 00	
Richmond....."	12 00	10 00	8 00	6 00	5 00	4 00	
My Maryland....."	12 00	10 00	8 00	6 00	5 00	4 00	
Perle....."	12 00	10 00	8 00	6 00	5 00	4 00	
Maids....."	12 00	10 00	8 00	6 00	5 00	4 00	
Brides....."	12 00	10 00	8 00	6 00	5 00	4 00	
Carnations....."	5 00	4 00	3 00	2 00			
Callas....."	15 00	12 50					
Easter Lilliea....."	15 00	12 50	10 00				
Orchids, Cattleyas....."	50 00	35 00					
Lily of the Valley....."	4 00	3 00	2 00				
Violets, Princess of Wales....."	1 00	75					
" single and double....."	1 00	75					
Sweet Peas....."	1 00	75	50				
Mignonette....."	4 00	3 00					
Daffodils....."	4 00	3 00					
Tulips, Pine Novelty....."	4 00						
" assorted colors....."	4 00	3 00	2 00				
Jonquils....."	4 00	3 00					
Daisies....."	1 50						
Asparagus Plumosus Sprays....."	4 00	3 00	2 00				
Asparagus Sprengeri Sprays....."	4 00	3 00	2 00				
Mexican Ivy, \$5.00 per 1000....."	60						
Smilax....."	20 00	16 00					
Adiantum....."	1 00						
Galax, Green or Bronze.....per 1000	1 00						
Ferns....."	3 00	2 50					

Philip F. Kessler

Wholesale Florist

55 and 57 West 26th St., NEW YORK

Telephone 5243 Madison Square.

Open 5:30 A. M. to 6 P. M.

SMILAX, ASPARAGUS, LILIES,
FREESIAS AND SWEET PEAS.

In Any Quantity At Any Time.

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57 West 28th St., NEW YORK

Telephones $\left. \begin{array}{l} 2200 \\ 2201 \end{array} \right\}$ Madison Square.

ALL VARIETIES OF CHOICE CUT FLOWERS
EXCEPTIONALLY FINE.

WM. P. FORD,

Wholesale Florist.

45 West 28th Street,

NEW YORK.

FOR EASTER

I shall have a Choice Supply of

American Beauty Roses, Violets

and all Other Seasonable Flowers.

Phone: 5335 Madison Square

A Large Supply of Easter Stock of Extra Fine Quality

Lilies,
Richmonds,

Beauties,
Brides,

Killarney,
Maids,

Valley
violets



Spring
Stock

Carnations,
Ferns,

Cattleyas,
Boxwood,

Tulips
Mexican Ivy.

Get Our Quotations on Lilies and Other Stocks in 1000 Lots

Easter Price List Subject to change without notice In effect. April 1

ROSES		ROSES—Continued Per 100		CARNATIONS Per 100	
Beauties—	Per doz.	Maryland	\$5.00 to \$12.00	Carnations.....	\$3.00 to \$4.00
Long stems.....	\$6.00	Gate or Uncle John.....	5.00 to 10.00	" special fancy.....	5.00
30 to 36-inch stems.....	5.00	Perle	5.00 to 8.00	" splits	2.00
20 to 24-inch stems.....	\$3.00 to 4.00	Roses, our selection.....	4.00		
15 to 18-inch stems.....	2.00 to 2.50			EASTER LILIES Per 100	
12-inch stems.....	1.50	ORCHIDS		Select.....	\$12.50 to \$15.00
		Cattleyas.....	per doz., \$5.00 to \$7.50	Shorter.....	8.00 to 10.00
Killarney, special.....	Per 100. \$12.00	GREENS		MISCELLANEOUS Per 100	
" fancy.....	8.00 to 10.00	Asp. Plumosus . . . per string,	\$0.50	Callas.....	\$12.00 to \$15.00
" good	5.00 to 6.00	Asp. Plumosus Sprays, bunch,	\$0.35 to .50	Valley	3.00 to 4.00
White Killarney, special....	12.00	Sprengeri.....	per bunch, .25 to .35	Sweet Peas.....	.75 to 1.25
" fancy.....	8.00 to 10.00	Adiantum.....	per 100, 1.00	Tulips.....	3.00 to 4.00
" good	5.00 to 6.00	Smilax, choice.....	per doz., 1.50 to 2.00	Daffodils	3.00 to 4.00
Richmond, special.....	12.00	Fancy Ferns.....	per 1000, 3.00	Jonquils.....	3.00 to 4.00
" fancy	8.00 to 10.00	Galax Leaves.....	per 1000, 1.00 to 1.25	Mignonette, doz., 35c to 75c	
" good.....	5.00 to 6.00	Boxwood	50-lb. case, 7.50	Violets .....	.50 to 1.00

A. L. Vaughan & Co.

(Not Inc.)

TELEPHONES: { 2571 Central
 { 2572 Central

161 N. Wabash Avenue

ONE HUNDRED

Of Garland Semi-Malleable Gutter
and drilled for any size glass will

FER

To the first florist who will write to us stating correct
which will revolutionize modern Greenhouse Const

IF YOU WANT

That we have to offer this year in Greenhouse Con
Greenhouses. They are not an Experiment but a
Stahelin, of Redford, Mich., has again placed his or
each. Write to us and let us explain to you more

WE WILL FURNISH YOU MATERIAL FOR ANY KIND OF A GREENH

GEO. M. GA

Lock Box S, D

RED FEET

including all the necessary fittings
 e given away

SEE

what it is that we will offer to the trade next year,
 ion. This offer expires May 1, 1912, so write today.

THE LATEST

ction investigate our Traveling Trussed Iron Frame
 en success as is evidenced by the fact that Mr. A. J.
 with us for another range of 4 houses 35-11 x 173 ft.
 about them.

Plans and Estimates Cheerfully Furnished Free of Charge.

RLAND CO.,

S PLAINES, ILL.

WM. KESSLER

Successor to Kessler Bros.

Wholesale Plantsman and Florist
Plants and Cut Flowers in Every Variety

There is nothing in the Plant or Palm line or
spring flowering plants that you cannot obtain here.

113 West 28th St., NEW YORK

TELEPHONE 2336 MADISON SQUARE

GEORGE C. SIEBRECHT.

WALTER R. SIEBRECHT

Siebrecht & Siebrecht

WHOLESALE FLORISTS

136 West 28th St , ^{Telephone} 8346 Madison Square, NEW YORK CITY

THE BEST ORCHIDS, VALLEY, LILIES AND VIOLETS

To Be Found in the New York Market, and

A Full Line of Spring Flowers. Shipping Orders Receive Prompt Attention

Splendid Stocks

In Large Supply

**FOR EASTER AND
THE SPRING WEDDINGS**

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

TELEPHONE 3559 MADISON SQUARE

54 West 28th St., New York

San Francisco.

The third annual banquet of the Pacific Coast Horticultural Society was held at the Fairmount Hotel, Saturday, March 2, and was attended by about 125 gentlemen and 50 ladies. The banquet hall was beautifully decorated as were also the tables, at each of which were seated 12 persons. While the banquet was being served the guests were entertained by a fine

musical programme. After full justice was done the menu, President Rossi rapped the assemblage to order and introduced the several speakers in a most admirable manner and covered himself with honor as toastmaster. The remarks were greatly enjoyed and then a spacious hall was opened and the lovers of dancing were given an opportunity to enjoy themselves.

A meeting of the growers was held at the store of Pelicano, Rossi & Co.

February 22, for the purpose of establishing a growers' market where flowers could be displayed and sold, and dispense with peddling them around. There were 15 present and it was agreed to form a corporation with a capital stock of \$25,000, divided into 250 shares, 150 of which were subscribed. It was decided to erect a building and a committee was appointed to select a location and report at the next meeting.

JUST RECEIVED

A Small Surplus of CYCAS STEMS and FERN BALLS

Write for Prices

THE YOKOHAMA NURSERY CO., Ltd.

31 Barclay Street

NEW YORK

GROWERS OR RETAILERS OF CUT FLOWERS

Will Find Us a FAIR Medium Through Which They
May Sell Or Buy And We Respectfully
Solicit Your Patronage.

Badgley, Riedel & Meyer, Inc.

PHONES: { 1664 } Madison Square
 { 1665 }

34 West 28th Street, NEW YORK CITY.

It's Not Too Late to get a good assortment of Raedlein Imported Baskets

For YOUR EASTER TRADE

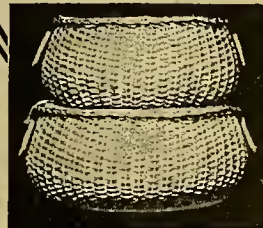
You can safely leave the selection of the baskets to us, because we are in business here to stay.—We want your patronage both now and in the future, therefore we will do our best to please you. Let us send you one of our

Easter Assortments from \$5.00 up

A nest of fine willow fern baskets, like those shown here, stained either brown or green, will be included if desired; also one or two of these beautiful rattan baskets for plants or cut flowers. Send us your check for the amount you wish to spend—we will immediately ship the assortment to you. If you don't like the baskets when they arrive, return them to us and we will promptly refund your money. These baskets are all newly imported stock—no left-overs in our assortments.

No time to lose, so send your order today to

The Raedlein Basket Co., 713 Milwaukee Ave.,
CHICAGO



BIG SUPPLY

EASTER LILIES

30,000 to 40,000 Cut Blooms of the Finest Quality at \$10, \$12.50 and \$15 per 100.

Also Plenty of Roses, Carnations, Gardenias, Violets and Other Seasonable Stock.

Order Early

EASTER PRICE LIST—In effect April 1st.

American Beauties	Per doz.	Roses	Per 100	Sweet Peas	Per 100
Extra long stems.....	\$5.00	Richmond.....	} Extra Select...\$10.00 } Select...\$6.00 to 8.00 } Medium...\$4.00 to 5.00 } Short.....\$3.00	Tulips.....	75c to 1.00
36 inch stems.....	4.00	Killarney.....		Jonquills.....	3.00 to 4.00
30 inch stems.....	3.00	White Killarney.....		Daffodils.....	3.00
24 inch stems.....	2.50	My Maryland.....		Adiantum.....	75c to 1.00
20 inch stems.....	2.00	Hilda.....		Asparagus, bunch, 35c to 50c.	
15 inch stems.....	1.50	Bride.....	" Sprengerl, bunch, 25c to 50c.		
12 inch stems.....	1.00	Bridesmaid.....	Bronze Galax , \$1.00 per 1000.		
Lilies	Per 100	Carnations	Ferns , \$2.50 per 1,000.		
Extra special stock.....	15.00	Fancy.....	Boxwood , per bunch 25c.		
Fancy.....	12.50	Good.....	Pussy Willows , per bunch, 50c.		
Good.....	10.00	Common.....	Stocks , per bunch, 50c to 75c.		
Gardenias , per doz. \$3.00 to 5.00		Valley			
		Violets , single.....			

JOHN KRUCHTEN

162 N. Wabash Ave., Phone Central 6269 CHICAGO

Chicago.

MARKET RESUMING NORMAL CONDITIONS.

The business in both the wholesale and retail stores is assuming normal conditions for this time of the year, and the oversupply which was so pronounced two or three weeks ago is gradually disappearing and the dealers are feeling more optimistic, for Easter is only two weeks away and the growers are receiving good sized orders. There is plenty of stock, however, of all kinds; roses are coming in much heavier, and they are of superb quality, but they move quite easily. American Beauties are in much better supply and the quality of some of the stock is superb, and there is a good proportion of short and medium lengths. Killarney and White Killarney are both in magnificent condition with almost all the growers, and Richmond is in heavier supply, and some very fine stock is to be had. My Maryland is beginning to be received in large quantities and Mrs. Jardine, Uncle John are the older varieties that are in the daily shipments. The receipts of the novelties are not large, the propagation of all having been as large as possible which has necessarily kept the cut down, but the blooms of Melody, Prince de Bulgarie, Dark Pink, Double Pink and Double White Killarney that have been offered are quickly taken up, and Mrs. Aaron Ward proves a taking rose with all. It looked the first of the week as if carnations were a little short of the demand but this no doubt was caused by the large demand for white on Saturday which appeared later as green. The price of white advanced and its use for St. Patrick's day caused the buyers to purchase heavier in the colored varieties and the supply of all was exhausted. Monday there was a

shortage of all colors, but Tuesday receipts were large enough to meet all demands. The dyeing of white carnations was very general and a few attempted roses and sweet peas and how ridiculous they looked. Green carnations are bad enough but save us from any attempt at the rest of the beautiful flowers dyed. Bulb stock is in plentiful supply, as are also lilies and lily of the valley and callas move very slowly. Violets are in plentiful supply and many sales are made at low prices. The home-grown stock that is fragrant sell well and at good prices, but the stock that is shipped in from

Warm Weather

That, according to Miss Ludlow, of Vaughan's Seed Store, is what we want now, and nearly everybody will agree with her. How about it, Mr. Weather Man?

long distances moves very slowly and much of it is sold at low prices, and the retailers feature it a bargain. There is a good assortment of spring flowers which add to the variety. One of the well posted dealers sums the week's condition up as follows: "Violets were in excellent condition and up to Saturday last were not moving at all, the rose market was fairly good and in comparison with the previous week showed improvement. Orchids are received in good quantities but there is little demand for them. Lilies are very plentiful, carnations are selling a little better. The whole market had taken on a much stronger tone

but the blizzard during the middle of the week set it back again. Sweet peas are of excellent quality and have never been sold at such low prices at this time of the year." The outlook for bulbous stock is good, the report being made that some of the growers have not forced more than 50 per cent of what they planted up to date, so the outlook is for a large supply at Easter.

NOTES.

The report of the small parks' commission recommending a consolidation of different park boards and the establishment of a forest preserve will be submitted to the city and council at the next meeting. It contends that the ten park boards now in operation would be more efficient if consolidated. At the exhibition of the Horticultural Society of Chicago, held at the Art Institute, J. C. Vaughan, chairman of the executive committee, made a plea for the erection of a horticultural hall in Chicago, such as they have in Boston and Philadelphia.

Kennicott Bros. Co. has just about disposed of their large supply of bronze galax and has now turned their attention to the Easter business. This firm celebrated St. Patrick's day by painting the interior of their store a beautiful Irish green.

Frank Ayres, Chas. W. McKellar's popular store man, and Miss Eugenie Robbin, were married at the St. James Parish last Wednesday, March 20, Congratulations, Mr. Ayres, and may all your troubles be little ones.

Andrew McAdams, we are pleased to learn, is much better and able to be about the greenhouses again.

Geo. A. Kuhl, is still at the Presbyterian hospital but is progressing very satisfactorily.

Beauties for Easter

FINE CROP OF LONG STOCK NOW COMING IN

Roses

Lilies

Fancy Carnations

We grow all the flowers we sell and guarantee them to be absolutely fresh.

BUY DIRECT OF THE GROWER

EASTER PRICE LIST

Subject to change without notice

American Beauties

	Per doz.
Extra long	\$5 00 to \$6 00
30-in.	4 00
20-24-in.	2 00 to 3 00
15-in.	1 50
12-in.	1 00

Rhea Reid

	Per 100
Extra long select.....	\$15 00
Good length	12 00
Medium length	\$8 00 to 10 00
Short	6 00

Fancy Bulb Stock

	Per 100
Daffodils	\$2 00
Dutch Hyacinth	\$5 00 to 6 00
LILY OF THE VALLEY.....	\$3 00 to \$4 00
FANCY DOUBLE TULIPS.....	3 00 to 4 00
FANCY SINGLE TULIPS.....	2 00 to 3 00
JONQUILS (Golden Spur)	3 00

White and Pink Killarney, Perle and Richmond

	Per 100
Extra long select.....	\$10 00 to 12 00
Good length	8 00
Medium length	6 00
Short	4 00 to 5 00

Carnations

	Per 100
Extra long fancy O. P. BASSETT..	\$5 00
Fancy white	\$4 00 to 5 00
Fancy pink	4 00 to 5 00
Fancy dark pink.....	3 00 to 4 00

Extra Fine Easter Lilies

Per dozen	\$ 1 50 to \$ 2 00
Per 100	12 00 to 15 00
ASPARAGUS SPRAYS...per 100,	\$3 00 to \$4 00
SMILAX STRINGS	per doz., 2 50
ADIANTUM	per 100, 1 00
GALAX, Green & Bronze.per 1,000,	1 25
FERNS	per 1,000 2 50

BASSETT & WASHBURN

Store and Office: 131 N. Wabash Ave.

CHICAGO

Greenhouses: HINSDALE, ILL.

CUT FL

OF HIGH GRA

FOR F

Large Supplies of American Beauties

Mrs. Jardine and

WE HAVE ALL THE STANDARD AND BEST NEW **CARNATION**

Buy from Us and get the best stock

American Beauties

	Per Dozen		Per Dozen
60-inch stems	\$6.00	24-inch stems	\$2.50
48-inch stems	5.00	20-inch stems	2.00
36-inch stems	4.00	15-inch stems	1.50
30-inch stems	3.00	Short stems	1.00

Richmond

Extra specials, 36-inch stems	\$1.00
Selects, 30 "	1.00
Fancy, 24 "	
Medium, 20 "	
Good Short stems	

Killarney

		Per 100
Extra special, 36-inch stems		\$12.00
Selects, 30 "		10.00
Fancy, 24 "		8.00
Medium, 20 "		6.00
Good, Short stems,		5.00
		4.00

White Killarney

Extra specials, 36-inch stems	\$1.00
Selects, 30 "	1.00
Fancy, 24 "	
Medium, 20 "	
Good Short stems	

WIETOR B

TELEPHONE RANDOLPH 2081

162 North Wabash

FLOWERS

E QUALITY

ASTER

Richmond, Killarney, White Killarney,
Single John Roses.

ATIONS=

AND CAN SUPPLY THE
BEST GRADE IN QUANTITY.

is market at the most reasonable prices.

Gardine

Fancy, 24-inch stems	Per 100	\$12.00
Good 15 "		8.00
Short		6.00

Uncle John

Fancy, 24-inch stems	\$8.00
Good, 18 "	6.00
Short	4.00
Roses, our selection	4.00

Carnations

Pink Lawson, Winsor, White Perfection, White Enchantress, White Lawson, per 100, extra special, \$5.00; Fancy, \$4.00; Good, \$3.00.

FERNS, per 1000, \$3.00. SMILAX, per doz. \$1.50 to \$2.00
ADIAN-TUM, per 100, \$1.00 to \$1.50. GALAX, per 1000, \$1.00
SPRENGERI, per bunch, 50 cents.
ASPARAGUS SPRAYS, per bunch, 50 cents.
LILIES, \$12.50 to \$15.00 per 100.

Carnations

Red, extra special, per 100, \$5.00; Fancy, \$4.00; Good, \$3.00.
Enchantress, extra special, per 100, \$5.00; Fancy, \$4.00; Good, \$3.00.

We have the finest stock in Chicago in abundant supply. Large flowers on stiff stems well clothed with luxuriant foliage.

BROTHERS,

venue, CHICAGO.

U S E Budlong's Blue Ribbon Valley. Heavy Supply U S E Budlong's Blue Ribbon Valley.

ANYTHING and EVERYTHING IN SEASONABLE CUT FLOWERS.

Roses, Carnations, Valley, Violets, Sweet Peas, Tulips, Lilies, Mignonette, and other High Grade Quality Stock. Easter Orders Now Being Booked.

No Order
2
Large.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF

CUT FLOWERS

No Order
2
Small.

The George M. Garland Co. is going to give away free 100 feet of Garland semi-malleable gutters, including all the necessary fittings and drilled for any size glass, to the first florist who will write and tell them correctly what their new invention in modern greenhouse construction is. The offer is open until May 1, 1912, and the manufacturers will be greatly pleased to hear from all the florists who would like to have 100 feet of gutter free.

Poehlmann Bros. Co. is cutting some very fancy orchids and the large supply of beautiful blooms that are seen at the store now are greatly admired by their many customers. Roses, carnations, sweet peas, violets, lily of the valley and other seasonable stock are arriving in fine condition and high grade quality stock in all lines is offered. The firm's supply of lilies for Easter will be large and of its usual fine quality.

The Chicago Carnation Co. is receiving many congratulations for their success at the flower show in winning so many premiums with such a large number of competitors, and especially the sweepstake prize for best seedling carnation. The stock now being cut is of high quality and many blooms fit for the exhibition table are in their daily shipments. The cut at present is large and promises to continue so until Easter.

The Chicago Flower Growers' Association is receiving a large supply of choice stock of all kinds, with Killarney roses showing up exceptionally well. The sweet peas that Frank Felke is shipping to this house are of the same quality that he exhibited at the show last week and it is needless to say that his stock is disposed of almost as soon as it is placed on sale.

The Superior Machine & Boiler Works is looking for a banner year for the prospects at present are very bright and the thing that seems to keep the growers most from placing their orders is the unsettled and unfavorable market conditions. Mr. Weiler says that the inquiries are numerous and as we have mentioned before the outlook very bright.

W. F. Duntmann of Bensenville is offering a fine lot of Asparagus plum-

osus in three and one-half inch pots at very low prices. Mr. Duntmann planned on using the plants to stock up the greenhouse that he intended to build this spring, but since he has given up the idea of building he has been selling them at a sacrifice because he is crowded for room.

Bassett & Washburn are coming right on with a large crop of American Beauty roses and a good supply in all grades can be seen at the store this week. The supply of lilies for Easter will be large as far as this house is concerned and the quality will be the same that has been offered by this firm the past month.

Hoerber Bros. are also one of the progressive concerns of this city who always manage to get in crop with their roses for the holidays or when they are bringing the best prices. They will soon be cutting heavily in Killarney, White Killarney and Richmond and will have a large supply to offer for Easter.

Phil. Schupp says that J. A. Budlong's stock is coming along fine and that his firm is now assured of a large supply for Easter. The My Maryland roses that this house is offering are of the finest quality, as well as the carnations, sweet peas, lilies, American Beauty and other roses.

The Des Plaines Violet Co. is well pleased with the fine showing that it made at the spring show at the Art Institute last week where it won first prize on double violets. The entire output of their violet range is handled by the J. B. Deamud Co. of this city.

A. J. Stahelin of Redford, Mich., was so well pleased with his movable greenhouses that he has again placed an order with the George M. Garland Co. of Des Plaines for four houses, 35-11x173 feet.

Frank Johnson of the A. L. Randall Co. is away on another business trip. Mr. Johnson is some salesman as well as a traveler and always comes back with his order book pretty well filled.

Miss Marion Garland celebrated her eighteenth birthday with a party at the home of her parents, Mr. and Mrs. Sol. Garland, at Des Plaines last Sunday, March 17.

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
CUT FLOWERS
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879

American Beauties, Roses, Carnations, Orchids, Gardenias, Valley, Violets, Daisies, Lilies, Etc. Greens.

At lowest market rates

Weiland & Risch

154 N. Wabash Ave., CHICAGO.

ROSES

Killarneys, White Killarney and Richmond.

Red, White and Pink Carnations, Easter Lilies, Callas, Sweet Peas, Bulbous Stock and Greens of all kinds.

W. E. Trimble Greenhouse Co.

56 East Randolph St., CHICAGO.

Phone Randolph 3671.

Chas. W. McKellar is going to be fixed all right in orchids and single and double stocks as well as all other seasonable flowers for Easter.

Peter Reinberg

30 East Randolph St., CHICAGO.

EASTER PRICES

We have never been so well prepared for what we believe will be the **Busiest Easter on Record.** The whole of our vast greenhouse plant is in splendid condition and the crops will be at their best for the holiday.

Large Crops

OF FANCY LONG STEMMED

BEAUTIES

Richmond, Killarney, White Killarney, My Maryland
Sunrise and Perle roses, and

FANCY CARNATIONS

in Red, White and Pink will enable us to fill all orders in full. Better let us fill yours.

Send Your Orders Direct to the Grower and they Will be Taken Care of.

AMERICAN BEAUTIES		Per doz.		
Extra long stems.....		\$5 00 to \$6 00	Sunrise.....	Select .....\$8 00 to \$10 00
36 inch stems.....		4 00	Perle.....	Medium 5 00 to 6 00
30 inch stems.....		3 00	Roses, our selection.....	4 00
24 inch stems.....		2 50	Carnations	3 00 to 4 00
20 inch stems.....		2 00	Fancy	5 00
15 inch stems.....		1 50	Harrisii	12 50 to 15 00
12 inch stems.....		1 00	Valley	3 00 to 4 00
Richmond.....	} Extra select.... \$12 00 Select .....\$8 00 to 10 00 Medium 5 00 to 6 00		Violets	75 to 1 00
Killarney.....			Sweet peas	75 to 1 00
White Killarney.....			Tulips	3 00 to 4 00
My Maryland.....			Jonquils	3 00
			Adiantum	1 00
			Asparagus, per bunch.....	50 to 75
			Ferns, per 1,000.....	2 50

2,000,000 Feet of Modern Glass.

E. F. WINTERSON CO.

166 N. Wabash Ave.,
CHICAGO

Wholesale Cut Flowers and Green Goods.

Cut Flowers
FOR EASTER
LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS
163-165 N. WABASH AVE. CHICAGO
L. D. Phone Central 466

The Des Plaines Floral Co.'s stock has about recovered from the recent set back by injury from gas and the plants are again bearing large beautiful blooms of choice carnations. One can not help but notice the fine condition that the stock is in and some of the finest Conquest we ever had the pleasure to look upon were seen at this establishment last week. Messrs Blewitt & Priskett, the proprietors, are going into the propagating business more heavily and several benches of strong healthy carnation cuttings are already in fine shape and awaiting orders.

Wietor Bros. will again be in full crop with roses and carnations when they are most needed and are going to be particularly well fixed in American Beauties, Richmond, Killarney, Mrs. Jardine and Uncle John for Easter. The American Beauties, especially, the long stemmed stock that this firm is cutting now are of exceptionally fine quality and the shipments that arrived at the store last Monday morning were disposed of as soon as offered for sale. The shipping trade has picked up considerably the past week with the result that large quantities of choice stock were shipped out daily.

J. F. Wilcox and his foreman, Mr. Foster of Council Bluffs, Ia., were in the city the past week calling on the greenhouse material men and inspecting several of the up-to-date ranges of greenhouses in this vicinity. Mr. Wilcox is planning on building a large range of greenhouses and his mission here was mainly to look over the various kinds of construction. He was undecided when he left for home as to whether he would build connected or disconnected houses.

The W. E. Trimble Greenhouse Co. of Princeton, Ill., has leased space on the local market and is now selling its stock at wholesale at 56 East Randolph street. This is the firm that exhibited the fine vases of Killarney and White Killarney roses at the show last week that were greatly admired by the trade. W. E. Trimble, who is in charge of the store, says that business for the opening week was good and fully up to his expectations.

The Chicago Fruit & Floral House, 39 West Randolph street, has gone out of the fruit business and is now dealing in flowers exclusively and doing business under the new firm name of the Chicago Floral House.

Gust. Rusch of Milwaukee was in the city for a few days last week taking in the spring flower show at the Art Institute and attending to other important business.

Frank Felke of Wilmette is particularly proud of the fine showing that he made with his prize winning sweet peas at the spring show in the Art Institute last week.

Chas Zopfe is another one of the enterprising young florists of this city who believes in advertising on the screens in the local moving picture theatres.

ALFRED H. LANGJAHR

WHOLESALE
FLORIST

We have the finest equipped store for the sale of cut flowers in this city. Especial care has been given to the matter of counter room so that flowers can be displayed to advantage. Growers of good stock will appreciate the importance of having their flowers displayed to the buyers in the best possible manner. We have the facilities to do this. We invite growers of good stock to call and be convinced. Consignments solicited. Returns and payments made promptly each week.

130 W. 28th Street

NEW YORK

Telephones, 4626 and 4627 Madison Square



**LARGE
SUPPLY
of**

Orchids

FOR EASTER

Also plenty of all other
choice seasonable stock

CHAS. W. MCKELLAR

162 N. Wabash Avenue,
CHICAGO.

The A. Dietsch Co. has received an order from W. B. Patterson, proprietor of the Rosemont Gardens, Montgomery, Ala., for four new houses, 38x40 feet.

The E. F. Winterson Co. is going to be prepared for a big Easter trade with a large supply of cut flowers, especially Easter lilies, carnations and violets.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House,

66 E. Randolph Street,

Phone Central 1496.

CHICAGO.

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

The Geo. Wittbold Co. is doing a tremendous business at their Edgebrook establishment and from six to eight men are kept constantly on the jump doing nothing but packing the stock and getting it ready for shipment. This firm is fortunate in having a large supply of choice blooming plants for the Easter trade, and it looks as if it will have no trouble in disposing of the Easter lilies, baby ramblers, hydrangea, rhododendrons, azaleas, spirea, Japan maples and lilacs. The supply of decorative stock is large and complete and the proprietors are confident that they will not have to turn any orders away for any plants in this line. The first importation of nursery stock, a car load, arrived last week.

A. L. Vaughan & Co. are well pleased with the way business has been the past week and they say that they have no kick coming for both the local and shipping trade has been very good considering the present unfavorable market conditions. A. L. Vaughan says his firm will be right on the job for Easter with a large supply of choice stock, especially lilies, roses and carnations.

Henry Smith, the pioneer florist of Grand Rapids, Mich., took in the flower show at the Art Institute and talked peonies with E. E. Pieser, the Peony King here last week. Mr. Smith is well known to the local trade and those who visited his place during the market gardeners' convention are yet talking about the delicious grapes that they ate while they inspected his large vineyard.

John Kruchten has made arrangements with some of the large lily growers in this vicinity to handle their stock for Easter and it is safe to say that he will have about 40,000 choice cut blooms to offer to the trade during Easter week. Mr. Kruchten is rapidly building up a nice trade and all that he needs now is a few good out of town buyers.

The J. B. Deamud Co. will be headquarters for a fine grade of local grown double violets for Easter and it is the same stock that won first prize at the spring flower show in the Art Institute last week. This firm will also have a large supply of lilies for the Easter trade and will be prepared to fill all orders in full.

H. Van Gelder of Percy Jones has been dealing quite heavily in wild smilax the past week and some good sized orders have been filled. One of this firm's carnation growers has a large number of white, light pink and Enchantress cuttings yet to offer and Mr. Van Gelder is now busy booking orders for the same.

Tim Matchen says Peter Reinberg's crops of both roses and carnations are doing fine and that his firm will be

Wholesale Flower Markets

CHICAGO, Mar. 20.		Per doz.
Roses, Beauty, specials.....		5 00
" " 36-in.....		4 00
" " 30-in.....		3 00
" " 24-in.....		2 00
" " 15-20-in.....		1 50
" " 12 in.....		1 00
" " Short.....	Per 100	4 00@ 6 00
" Killarney.....		3 00@10 00
" White Killarney.....		3 00@10 00
" Richmond.....		3 00@10 00
" Prince de Bulgarie.....		8 00@15 00
" Mrs. Aaron Ward.....		8 00@15 00
" My Maryland.....		3 00@10 00
" Perle.....		3 00@10 00
" Melody.....		8 00@15 00
" Bride.....		3 00@10 00
" Bridesmaid.....		3 00@10 00
" Uncle John.....		6 00@ 8 00
" Mrs. Jardine.....		3 00@ 8 00
" Mrs. Marshall Field.....		3 00@ 8 00
Carnations.....		1 00@ 3 00
Cattleyae..... per doz.,		4 00@ 6 00
Dendrobium Formosum.....		5 00@ 6 00
Daffodils.....		3 00
Gardenias.....		3 00@ 4 00
Lilium Harriaii..... per doz.,		1 50
Mignonette.....		4 00@ 6 00
Paper Whites.....		3 00
Romans.....		3 00
Sweet Peas.....		40@ 75
Freeias.....		3 00
Stocks, single..... per bunch,		1 00
double.....		1 50
Tulips.....		3 00
Valley.....		3 00@ 4 00
Jonquils.....		3 00
Violets, Single.....		50@ 75
Double.....		50@ 75
Adiantum Croweanum.....		1 00
Boxwood..... per bunch,		25
Ferns..... per 1000,		2 00@2 50
Galax bronze.....		1 00
green.....		1 00
Leucothoe.....		75
Mexican Ivy.....		75
Plumose String..... each,		50
Smilax..... per doz.,		2 00
Sprengerl, Plumose Sprays.....		2 00@ 4 00
Winter Berries.....		1 50@ 5 00

particularly well fixed in these flowers for Easter. American Beauties of unusually fine quality, especially in the longer grades, are arriving in much larger quantities at the store this week.

Edw. Amerpohl, the efficient manager of the Janesville Floral Co., of Janesville, Wis., was a most welcome visitor at the flower show last week. Mr. Amerpohl is on the lookout for a good working foreman, one thoroughly experienced in growing roses, carnations and bedding plants.

John Zech is still receiving treatment for rheumatism in the Sacred Heart Sanitarium in Milwaukee and from last reports he was getting along nicely and it is expected that he will return home the latter part of the week or the first part of next week.

Weiland & Risch are featuring a fine grade of white daisies that measure fully four inches in diameter.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

66-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS
162 N. Wabash Ave., CHICAGO
Long Distance Phone, Randolph 3619.

Geo. Reinberg

Wholesale Florist

162 N. Wabash Avenue, CHICAGO.

WIETOR BROS.

Wholesale Cut Flowers
Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

Snapdragons and gardenias of fine quality are also chief offerings at this house this week.

E. H. Hunt has contracted to dispose of large quantities of lilies for Easter and will, as in former years, specialize in these flowers.

Continued on next page.

Easter Lilies (Cut Blooms.)

Choice quality always on hand at market prices; also all other Seasonable Stock.

GEORGE H. ANGERMUELLER,

Wholesale Florist, 1324 Pine Street, ST. LOUIS, MO.

Lord & Burnham Co.'s office, under the management of Geo. Sykes, is certainly shaking the order plum tree with splendid success. Among other good things he mentioned in a casual way were the following orders lately booked: W. B. Davis, Aurora, two pipe frame houses 30 x 200 feet. W. B. is a brother to J. W. Davis, whose range of L. & B. iron frame houses, 43 x 600 feet, at Bettendorf, Ia., was written up in THE AMERICAN FLORIST, issue of March 9; Douglas Smith of Winnetka, a curved eave iron frame house; an ornamental range for O. G. Foreman, Glencoe, Iowa gets a curved eave house at Sioux City to be erected for J. P. Newton. C. W. Perkins, of Ruston, La., sends way up north for a curved eaver, and the Agricultural high school at Hays, Kans., also buys a curved eave house.

Vaughan's Seed Store is completing its jobbing orders for greenhouse-grown *Asparagus plumosus nanus* seed. This firm is taking advantage of the milder temperature to move its big orders for onion sets, potatoes, gladiolus, tuberoses and like items, which have been snowbound in its warehouses for weeks.

Chas. Bond, the well-known orchid grower of Naperville, is going to enlarge his plant this spring and has already placed an order with the Foley Manuf. Co. for two large houses. Mr. Bond consigns his stock to the A. L. Randall Co. where it always meets with very satisfactory sale.

The Raedlein Basket Co.'s store on Milwaukee avenue is a pretty busy place these days and the force is working like beavers to fill and ship the many orders that keep coming in. A recent large shipment of all their novelties will enable them to fill all late orders in full.

Johnson Bros. & Alexander are enjoying fine business during their special sales at the Washington Flower Market, 75 West Van Buren street.

Lawrence Mathes, formerly with Weiland & Risch, is now with Hoerber Bros., having entered upon his duties March 18.

Geo. W. Cohen, representing Wertheimer Bros., New York, was an arrival in the city this week.

Visitors: J. J. DeBoribus, Duluth, Minn.; Miss Dora F. Meredith and Miss Ida R. Vogel, Springfield, Ill.; John Bather, Clinton, Ia.; Henry Smith and Geo. F. Crabb, Grand Rapids, Mich.; John Rindfleisch, Beloit, Wis.; C. C. Pollworth and Gust. Rusch, Milwaukee, Wis.; Prof. L. R. Taft, Lansing, Mich.

Chicago Bowling.

The following are the individual and team scores for games played last Wednesday, March 13:

Violets.		Carnations.	
Schl'sm'n ..140	176 168	Lorran ..208	159 148
Reimer ..178	148 153	Ayres ..175	134 160
Klunder ..144	125 131	Eyers ..154	142 150
Simon ..136	150 146	Gaerisch ..160	154 189
Foerster ..183	212 164	Zech ..177	147 157
Totals ..781	811 762	Totals ..874	736 795
Orchids.		Roses.	
Krauss ..169	181 162	Stack ..178	135 132
Graf ..179	183 138	Sch'm'n ..175	134 95
V. Gelder..150	138 146	Welsh ..157	106 154
Farley ..176	155 150	Wolf ..217	171 193
Huebner ..192	177 198	Fircher ..172	172 179
Totals ..866	784 794	Totals ..899	721 733

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Mention the American Florist when writing

Wholesale Flower Markets

CINCINNATI, Mar. 20.

Rosea, Beauty.....	per doz., 50@	4 00
"	Per 100	
"	Bride, Bridesmaid.....	3 00@ 8 00
"	Killarney.....	3 00@ 8 00
"	My Maryland.....	3 00@ 8 00
"	Perle.....	3 00@ 5 00
"	Richmond.....	4 00@12 00
Carnations.....	2 00@	3 00
Freesias.....		2 00
Lilium Gigantum.....	10 00@	12 50
Lily of the Valley.....	3 00@	4 00
Narcissus.....		2 00
Jonquils.....		3 00
Sweet Peas.....	35@	50
Violets, double.....		50
"	single.....	50
Adiantum.....		1 00
Asparagus Plumosus....	per bunch.	25
Asparagus Sprengerl....	per bunch.	25
Tulips.....		3 00
Romans.....	3 00@	4 00

St. LOUIS, Mar. 20.

Roses, Beauty, medium stems...	20 00@25 00	
"	short stems	2 00@ 4 00
"	Bride, Bridesmaid.....	3 00@ 4 00
"	Killarney	4 00@ 8 00
"	My Maryland.....	3 00@10 00
"	White Killarney	4 00@ 8 00
Carnations.....	1 00@ 1 50	
Callas.....	10 00@12 50	
Easter Lilies.....	10 00	
Valley.....	3 00@ 4 00	
Asparagus Sprengerl.....	2 00@ 3 00	

Lake Forest, Ill.

John McLane, for several years gardener at the Cyrus McCormick estate, has been appointed head gardener at the new naval station at Lake Bluff, where extensive improvements are being made, in keeping with the location and surroundings.

J. Ogden Armour intends the coming season, under the supervision of Alfred B. Yeomans, to plant many thousand trees and shrubs for the outdoor decoration of his fine property. A new orangery was recently completed for the wintering of the collection of bay-trees and other tender shrubs.

The local horticultural society has changed its name to "The North Shore Horticultural Society," and intends to take active interest in all things pertaining to our craft in the adjoining shore towns, holding exhibitions at times in each. A largely increased membership has already resulted and is a source of satisfaction to John Newbore, the active secretary. Under the charter, jurisdiction is given in all towns from Evanston to Waukegan,

WM. C. SMITH

Wholesale Floral Co.
WHOLESALE FLORISTS

1316 Pine St.,
Both L. D. Phones. ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN,

Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio
Wholesale Growers of

EASTER LILIES,

Ferns and
Decorative Greens

Write for prices
Telephone West 562.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

H. G. BERNING

Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

Swedish Gardeners of America.

The Swedish Gardeners' and Florists' Society of America held its third meeting March 9 in the Teutonic Assembly rooms, 158 Third avenue, New York City, President Malkus Soderstrom in the chair. The object of this society is to get the Swedish gardeners and florists to come together for benefit and pleasure and to establish closer relations between horticultural interests here and in the mother country.

Most of the time at this meeting was taken up in discussing the by-laws and getting up a working schedule and all the thirty members present showed a large interest.

This society has been very successful from the start and had the pleasure of seeing eight new members added to the roll at this meeting. It has already a membership list of over fifty besides about twenty-five new applicants.

R. K.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

Cleveland.

STOCK IN SHORTER SUPPLY.

Stock is shortening up considerable with the demand increasing and at the end of the week there was a good market for all grades and varieties. Carnations at some of the wholesalers were cleaned up. Some good white carnations bringing four cents for St. Patrick's day. Callas and lilies are much shorter in supply and Easter lilies are again bringing regular prices. Roses are selling better and stock is improving in quality as the days lengthen. Bulb stock, especially La Reine tulips are still very plentiful. Asparagus plumosus and Sprengeri is a little short of the demand. There has been a good call for boxwood by the case and southern smilax the past week. Novelties of all kinds are in excellent demand and not enough to go around can be obtained.

NOTES.

In connection with St. Patrick's day the city will celebrate the home-coming of Johnny Kilbane on Sunday, March 17. Johnny is Cleveland's champion pugilist and it is needless to say that the West Side is going to celebrate with a parade, speeches and "Wearing of the Green (carnation)."

A. L. Marks, representing Wertheimer Bros. New York, visited the trade this week. C. F. B.

Cincinnati.

STOCK SELLING WELL.

Last week started rather dull and up to the middle of the week there seemed little chance of any relief in the already over-crowded market. From that time on, however, practically all offerings of quality began to clean up and by the end of the week almost everything except violets and lilies was sold, and this week started as well. Violets are not selling very well, the demand being small, and the lily market is slow because the supply is somewhat larger than the call. Should the demand 'keep up as' strong as it has been the last few days longiflorums must necessarily be higher at present than they are. The rose supply is on the increase and a fair amount of bright weather between now and Easter should give a splendid cut for that day's business. St. Patrick's day took up all the white carnations available and there might have been more used had they been forthcoming, and they have since then, been more or less short in supply. The offering of other varieties and colors is easily ample. The bulb stock supply is fair and with the exception of yellow tulips and Dutch hyacinths is cleaning up fairly well.

NOTES.

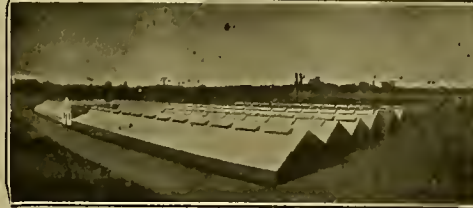
Harry and Chas Pfeiffer of Ft. Thomas, Ky., have succeeded their father in business under the name of Chas. Pfeiffer's Sons.

Al. Brunner has the sympathy of his many friends in the trade in the death of his wife last week.

A. C. Heckman took a three days' trip through Kentucky last week. He reports a nice business.

J. J. Lodder's Sons of Hamilton have been sending some very fine sweet peas to C. E. Critchell.

Albert Sunderbruch and R. Witterstaetter were at Chicago. S. H.



A Good Place to Buy Cut Flowers.
Palms, Ferns

Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Mar. 20.	
Roses, Beauty...per doz.,	1 00@ 4 00
" Killarney	3 00@10 00
" Richmond	3 00@10 00
" White Killarney	3 00@10 00
Carnations	1 00@ 3 00
Lilium Gigantum	8 00@10 00
Lily of the Valley	3 00
Paper Whites	2 00@ 3 00
Snapsragone	per bunch, 35@ 75
Violets	50@ 75
Adiantum	1 50
Asparagus	per string, 50@ 75
Sprengeri, per bunch,	25@ 35
Ferns, Fancy	per 1000, 2 00
Galax. green	per 1000, 1 50
" bronze	per 1000, 1 50
Smilax	per doz., 1 75
Wild Smilax	per case, 5 00

Milwaukee.

STOCK PLENTIFUL.

There is stock enough to fill all orders. Carnations are quite plentiful and roses are of a fine grade and quality and are selling at a reasonable figure. Easter lilies are coming in in good supply and some of the growers are afraid that their's will not last for Easter while others state that they will not get in for that date, however, the writer believes that there will be enough lilies to fill all orders. During the past week there was quite a heavy demand for white carnations which brought good prices up to Saturday when they came in with an over supply

NOTES.

The Flora Bon which has been dealing in candies and flowers has made a voluntary assignment. This is the second time the place has been in bankruptcy owing a great deal to the high rental.

At Holton & Hunkel's greenhouses they have a fine selection of blooming plants and report some good sales up to date and expect to clean out completely during the Easter trade.

Gust Rusch & Co. say their growers are right on crop with lilies, carnations and all other seasonable flowers and expect to have a fine lot of blooming plants to handle for Easter.

Currie Bros. Co. reports both seed and flower business good. They have a nice lot of blooming plants which they expect to handle at their retail store for Easter.

C. C. Pollworth Co. is receiving a fine lot of blooming plants for Easter and report some fine sales. Their lily plants are in exceptionally fine condition.

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH.

Everything in Cut Flowers, Greens, Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

A. Currie Co. are busy with their seed trade and are receiving some fine large orders.

A. Leidiger is again in the harness after a week's seige with lagrippe.

G. R.

Wichita, Kans.

A little something to do and lots to do it with will almost cover the situation in this vicinity. Carnations are in heavy crop, and the same may be said of all sorts of bulb stock. The quality is very good and the quantity available is giving the store men an opportunity for making some handsome displays. The retail trade has kept up fairly well considering weather conditions, which have been miserable from the personal comfort standpoint, although it has been considered beneficial for crop prospects. Funeral work has constituted a good part of the business done. The weather continues unseasonably cold and raw, and there will be little trouble in holding bulb stock back for Easter.

NOTES.

W. H. Culp & Co. are in with heavy crops of bulb stock. They are cutting some very fine Murillo tulips. They were called upon to furnish a casket blanket last week made of white hyacinths, lily of the valley and lilies.

F. Kuechenmeister's heating apparatus went back on him last week and the boiler men kept him without fire for one night. It happened to be about the only night for two weeks when such a thing could be done.

Chas. P. Mueller has been making an excellent show of cinerarias, also of seasonable bulb stock with good results.

Elwood Kline, proprietor of the Kline Floral Co., Lawrence, Kansas, was a visitor here Sunday. W. I. CHITA.

Headquarters for Greens of All Kinds

Ferns, Dagger.....	per 1000, \$2.00	Leucothoes, long sprays.....	per 100, \$0.75
Ferns, Fancy.....	per 1000, 2.00	Mex. Ivy.....	per 1000, 7.50
Galax, Green and Bronze.....	per 1000, 1.00	Wild Smilax.....	per case, 5.00
Galax, Green and Bronze.....	per case, 7.50	Boxwood.....	50-lb, case, 6.00
Moss.....	.....large bales, \$2.00;		

THE LEO NIESSEN CO.,

Wholesale Florists,

12th and Race St., PHILADELPHIA, PA.

Philadelphia.

SUPPLY IN EXCESS OF DEMAND.

Very bad weather with heavy rains the past week kept the people off the streets and the volume of business was the worst so far during the Lenten season. The temperature has been mild and the supply of flowers away above the demand. Saturday was a beautiful day and a brisk demand which kept all hands busy helped matters considerably. Although the supply of nearly all flowers is in excess of the demand some lines are scarce, gardenias appearing off crop. White roses were also sold up clean nearly every day, American Beauties are seen in quantity and will perhaps find purchasers when the public find out they can get them at a reasonable figure. White carnations were given a boost with the demand for stock to be greened for Paddy's day, but the other colors were as draggy as usual. Bulb stock stiffened a trifle, daffodils were scarce, there not being any large shipments, the growers evidently expected the southern shipments and for the most part have gotten the imported stock out of the way in time. None of the southern flowers have arrived as yet. Snapdragon is seen in quantity, very fine stock and much cheaper in price. Violets are very plentiful, sell low in quantity lots, as in fact does most everything. Good adiantum is scarce, but asparagus is wanting in quantity for an order; cattelyas in quantity if required. The commission men are urging special and week-end sales to the retailers and doing all they can in the matter of low prices to help to make business and to encourage the store men to carry larger stocks. Some of the retailers have adopted the suggestion and are, by means of advertisements in the daily press, letting the public know of the great price reductions. We understand these dealers to say that they are encouraged and intend to keep at it when like conditions, such as the present, continue or occur again. The plant men are busy as bees booking orders for Easter stock. There promises to be a full supply in all lines, lilies appear to be in good condition and about right in point of time regardless of coming weather conditions. Hydrangeas are also in full supply and ready to come on slowly and make good heads of bloom without forcing. Paddy's day saw the usual lot of dyed carnations and other flowers which sold fairly well.

NOTES.

At the Leo Niessen Co. corner they say they have to hustle to keep their large stock moving, but still they manage to do it, cleaning up very nicely each day's stock so as to be ready for the new lots of tomorrow. American Beauties are very fine here now. Charles Meehan says that the long sprays of leucothoe will not keep at this time of the season, there appearing to be enough substance in the leaf to start the dormant buds to growth and then the leaves drop off. The smaller and shorter stock is not affected and is in fine condition. Pennock Bros. made a showy window decoration with small gilt wooden harps in boxes filled with shamrocks.

EASTER LILIES

GIGANTEUM, Best Quality,

12c per bloom, cut or in pots

Place your orders with us for now and Easter. Our Specialties:

ROSES.

Mrs. Aaron Ward, Waddell, Lady Hillingdon (yellow), Rhea Reid, Beauties, Cardinal, Taft, Killarney, Maryland.

CARNATIONS.

All Standard Varieties.

VIOLETS.

Princess of Wales, Marie Louise.

Valley, Sweet Peas, Calla Lilies, Orchids, Gardenias, Paper Whites, Jonquils,

Tulips (La Reine and Murillo), Pansies, Sprengeri, Plumosus, Smilax Strings, Maidenhair Ferns, and all Seasonable Flowers.

We are the best equipped house in New England for shipping flowers. Can fill orders for everything in the cut flower line. We pack our flowers with the utmost care in order to insure safe arrival. We have pleased hundreds of customers and can certainly please you. Give us a trial order and be convinced. We handle the Stock of 100 of the Best Growers in New England. Satisfaction Guaranteed. Write, wire or telephone.

HENRY M. ROBINSON & CO.

Wholesale Commission Florists, Importers and Manufacturers of Florist Supplies, Dealers in Hardy Cut Evergreens,

15 Province Street, Boston, Mass. 9 and 15 Chapman Pl.

BRANCH STORE: 46 West 26th St., NEW YORK CITY.

EASTER LILIES

10c per bud or bloom. Assorted sizes our selection

We have about 2500 6-in. pots Giganteums, fine bushy plants, 10 to 18 in. above the pot, perfectly healthy. We have never had a finer lot of lilies. These are just right for table plants and the short lilies last year sold 2 to 1 better at our retail store than the taller plants and they are much cheaper to handle. We also have a few taller plants of Jamesii, Harrisii and Formosum at 12½c to 15c. These are more expensive to pack and handle. Cash please.

SMITH & GANNETT, Geneva, N. Y.

Wholesale Flower Markets

PHILADELPHIA, Mar. 20.	Per 100
Roses, Beauty, extra.....	35 00@40 00
" first.....	10 00@20 00
" Brides and Maids.....	4 00@10 00
" Killarney.....	4 00@15 00
" White Killarney.....	4 00@15 00
" Liberty.....	4 00@15 00
Callas.....	8 00@10 00
Cattleyas.....	35 00@50 00
Daffodils.....	2 00@3 00
Gardenias..... per doz., 2 00@3 00	
Lilium Herbill.....	8 00@10 00
Lily of the Valley.....	3 00@5 00
Marguerites.....	75@1 50
Mignonette.....	3 0@4 00
Narcissus Paper White.....	1 50@2 50
Snapdragons.....	8 00@12 00
Sweet Peas.....	50@1 00
Tulips.....	2 00@3 00
Violets, single.....	50@75
" double.....	50@75
Adiantum.....	1 00@1 50
Asparagus..... per bunch, 50	
Smilax.....	15 00@20 00

Hanging from the ceiling of the window was a shower of small, green wicker hats each filled with shamrocks.

Lit Bros., a large department store, gave a pot of shamrock to every person who called for it and something over 60,000 pots were given out to the visitors. Each pot is placed in a small folding box in which is advertising matter.

The members of the club who attended the 25th anniversary dinner of the Baltimore Gardeners' and Florists' Club were all delighted with their visit. The Baltimore boys are certainly great hosts.

Berger Bros. are handling quantities of choice violets. White Killarney roses are also a feature.

M. Rice has been on the sick list but we are glad to say is getting about again.

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Sairano. All clean, healthy stock.

Also Asp. Plumosus Nanus Seed from my own plants. WRITE FOR PRICES.

W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonal stock.

St. Louis.

FLOWERS PLENTIFUL.

The weather during the week was stormy and cold but Saturday was warmer and Sunday, St. Patrick's day, was more like spring, and although a southern wind was blowing still it was cool and chilly. Flowers of all kinds are still plentiful. White carnations advanced a little on March 16 and 17, for coloring green for the latter date. What the outlook for Easter will be no one can tell as it depends greatly on the weather.

NOTES.

The Florists' Club met Thursday afternoon, March 14, at Odd Fellows' Hall, 40 members being present, with Robert J. Windler in the chair. George Windler led a discussion on Easter plants. After the usual business the members went over to C. A. Kuehn's wholesale house where an exhibit of roses and carnations was staged. Among the exhibitors were the Oakland Floral Co., who showed a vase of long stemmed white sweet peas, Florence Dentzer. Vases of White Enchantress, White Wonder, Delhi, Washington, Sangamo, Gloriosa carnations grown by C. C. Murphy, Cincinnati, were shown by Wm. Murphy and S. S. Skidelsky, who are the introducers of Delhi. J. F. Ammann Co., Edwardsville, exhibited Enchantress and White Perfection carnations and vases of White Killarney, My Maryland, Richmond and Ivory roses. Vennemann Bros. showed White Enchantress, Enchantress and Rose Pink Enchantress carnations; Joseph House, a vase of violets, a new variety not named, that is very fragrant; Weber Nursery Co., a vase of carnations; A. C. Brown, Springfield, Ill., vases of Washington, White Enchantress and Gloriosa carnations; A. H. Werner, White Enchantress and Enchantress carnations, White Killarney and Killarney roses; A. Jablonsky, a vase of mixed carnations.

George L. Moore, professor of applied botany at Washington University, was elected director of the Missouri Botanical Garden to succeed Dr. Trelease who resigned in order to devote himself to research. Dr. Moore will take up his new duties May 1.

C. A. Kuehn has about completed his new house and everything is in tip-top shape. The new ice box is a beauty and the store is one of the finest in the country.

M. M. Ayres Floral Co. had a special and very original window decoration for St. Patrick's day. Genuine Irish potatoes, shamrocks and pipes were used.

Geo. H. Angermueller is receiving fine stock at present and is looking forward to a grand supply for Easter. The employes at Ostertag Bros. joined the union at the meeting last Monday.

Grimm & Gorley are very busy with store openings, and they had a big day Saturday.

Joseph Wors, son of C. W. Wors, is now in the employ of Grimm & Gorley. Visitors: P. J. Farney of M. Rice & Co., Philadelphia, Pa. W. F.

CHESTER, PA.—The greenhouses on East Ridley avenue are now conducted by John McGovern and a fine line of stock is on hand.

Wholesale Flower Markets

BUFFALO, M r. 20.		Per doz.
Roses, Beauty, special.....		5 00
" " fancy.....		4 00
" " extra.....		2 50
" " No. 1.....		1 50
" " No. 2.....		50¢ 1 00
Per 100		
Bon Silene.....	3 00	4 00
Perle.....	5 00	3 00
Mid and Bride.....	4 00	3 00
Pink Killarney.....	00	10 00
White Killarney.....	00	10 00
Richmond.....	5 00	10 00
My Maryland.....	5 00	3 00
Carnations.....	1 50	2 50
Callas.....	8 00	10 00
Daffodils.....	2 00	3 00
Daffodils, Single.....	2 00	3 00
Lilium Longiflorum.....	10 00	12 00
Lily of the Valley.....	3 00	5 00
Mignonette.....	2 00	4 00
Narcissus Paper White.....	2 00	3 00
Romans.....	2 00	3 00
Sweet Peas.....	00	7 75
Tulips, Yellow and White.....	2 00	3 00
Violets.....	40	60
Adiantum Croweanum.....		75¢ 1 50
Asparagus, per bunch.....	35	50
Asparagus Sprengerl.....	35	50

PITTSBURG, Mar. 20.		Per 100.
Roses, Beauty, special.....	30 00	40 00
" " extra.....	15 00	25 00
" " No. 1.....		10 00
" Bride, Bridemaid.....	2 00	6 00
" Chatenay.....	2 00	6 00
" Killarney.....	2 00	6 00
" My Maryland.....	2 00	6 00
" Richmond.....	2 00	6 00
Carnations.....	1 50	2 00
Cattleyas.....		50 00
Lilium Longiflorum.....	10 00	12 00
Lily of the Valley.....	3 00	4 00
Oncidiums.....	3 00	4 00
Sweet Peas.....	25	50
Violets, single.....		25
" double.....		50
Adiantum.....		1 00
Asparagus Sprengerl, per bunch.....	35	
" sprays.....per bunch.....	35	

BOSTON, Mar. 20.		Per 100
Roses, Beauty, best.....	25 00	50 00
" " medium.....	15 00	20 00
" " calls.....	2 00	4 00
" Bride, Bridemaid.....	2 00	6 00
" " Extra.....	6 00	12 00
" Killarney and Richmond.....	4 00	20 00
" My Maryland.....	4 00	20 00
" Carnot.....	6 00	12 00
Carnations, select.....	1 00	3 00
Callas.....	8 00	12 00
Cattleyas.....	35 00	50 00
Gardenias.....	20 00	25 00
Lilium Longiflorum.....	8 00	12 00
Lily of the Valley.....	2 00	4 00
Narcissus, yellow.....	1 00	3 00
" white.....	1 00	3 00
Sweet Peas.....	25	50
Smilax.....	12 00	16 00

Greenwich Horticulturists.

The regular meeting of the Westchester and Fairfield Horticultural Society was held in Greenwich, Conn., Friday, March 8, with a good attendance. A fine display of plants and flowers was made. Three applications were received and 10 new members elected. The following prizes were offered for our fall show: Stephen Hoyt & Sons, New Canaan, ten dollar gold piece for best collection of vegetables; A. N. Pierson Co., Cromwell, Conn., ten dollars for best 25 roses Killarney Queen; Mrs. Chas. Waterbury, Stamford, five dollars for best Boston fern; Sam Prier Co., Stamford, five dollars for best Asparagus Sprengerl; fifteen dollars for show from J. E. Conine, New Canaan. Schedules for both summer and fall shows were adopted. The report of the judges is



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as follows: Cultural certificates to James Stuart for cyclamen, James Aitchison for vase carnations Alma Ward, A. Paterson for vase of roses. A vase of seedling carnations from J. Quirk was highly commended. Honorable mention to W. J. Sealey for Primula obconica, Thomas Aitchison for vase of carnations, A. Wynne for Gerbera Jamesonii, P. W. Popp for vase of mixed narcissus, P. Fairfield for vase of carnations. Vote of thanks to A. Wynne for vases of antirrhinum, A. Peterson for vase of stocks, A. White-law for vase of tulips, Thomas Ryan for two vases carnations, P. Fairfield for sweet peas, M. J. Quirk for vase carnations. OSCAR, Cor. Sec.

New York.

A SLIGHT IMPROVEMENT.

The early part of the week the wholesale cut flower market showed just a little improvement and on Friday and Saturday the demand was considerably better although the increase in prices was very slight, except probably in carnations, the white varieties clearing out nicely, these being used to be colored for St. Patrick's day. The situation remains practically unchanged as far as all the other flowers are concerned that are coming in, but the outlook for Easter seems to be very bright and all dealers are making preparations for a large supply.

March 18—Business the latter part of the week was better, white carnations selling much better. The business has greatly improved this week with a slight increase in prices.

NOTES.

Directors Charles H. Totty, Harry A. Bunyard and Secretary John Young of the Society of American Florists have returned from Chicago. On their way home Charles H. Totty, John Young and Robert Craig stopped off at Richmond, Ind., to visit E. G. Hill Co.'s establishment. They were greatly impressed with what they saw there. The new scarlet carnation, Commodore, was the real cause of the visit. This carnation, as seen here, is more than is claimed for it and there is no question but what this variety has a very bright future. Charles H. Totty has made an arrangement with E. G. Hill Co. for distributing this carnation in the east and it will be seen at the next meeting of the New York Florists' Club. On the day of the visit of the gentlemen from Chicago, Philadelphia and New York, Mr. Hill and his wife were celebrating the fortieth anniversary of their wedding. Later in the day John A. Evans escorted the visitors through the Quaker City Machine Works, of which he is the proprietor, and showed what he was doing in the manufacture of up-to-date ventilating machinery. The party was then taken in automobiles for a ride through the city and parks of Richmond. On the train returning to New York from Richmond the party had the pleasure of celebrating the sixty-fifth birthday of Robert Craig. This was done in due and ancient form and will be an event long to be remembered.

The important topic at present is the National Flower Show and now that the local governing board has been appointed interest will be kept going in the matter of securing special premiums and the selling of space in the trade exhibition, all of which is going to make the Third National Flower Show the best ever.

Henshaw & Penrich are receiving large shipments of carnations of all the up-to-date varieties, but the best of them all is Wodenethe sent in by Charles H. Totty, Madison, N. J.

A. L. Young & Co. are always busy and will be obliged to lease another store to take care of the large supply which they will have at Easter time.

William P. Ford is receiving a grand lot of American Beauty roses and sweet peas, and the supply of carnations here is of the very best.

Michael Lawlor, an old time grower of Flushing, L. I., died last week. Mr. Lawlor had retired from active business some time ago.

Walter F. Sheridan is suffering from a mild attack of rheumatism but is able to attend to business with the use of a cane. Y.

BETHLEHEM, CONN.—J. D. Dayton has been appointed superintendent of parks with authority to purchase plants and shrubbery.

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Morris Co. Gardeners' and Florists' Society.

Carnation Night with the Morris County Gardeners' and Florists' Society on March 13 was a big event and very few of the members stayed at home. The rooms were filled with an exhibit that was superb in the quality of the material, and which was arranged very tastefully. As previously announced three essays on the carnation were read: "Propagation" by Geo. Hubbard, "Cultivation From a Florist's Point of View" by G. F. Neipp; "Cultivation From a Private Gardener's Standpoint" by John Dunn. The gentlemen treated their subjects exhaustively and each received rounds of applause. I hope the rose men will hold their end up as good at the next meeting. Peter Fisher of Ellis, Mass., showed Gorgeous and Benora in fine shape. The first named received a certificate of merit. C. H. Foltz had Wodenethe and Brooklyn previously shown in grand shape. G. F. Neipp, one of the essayists, exhibited Gloriosa and was awarded a cultural certificate. Florham Estate (Robt. Tyson, Supt.) showed a vase each, Alma Ward, Mrs.

C. W. Ward and Rose Pink Enchantress, and a cultural certificate was awarded. Robert Roper of Boston sent a fine vase of seedlings. Springbrook Farms had a vase of Rose Pink Enchantress and E. Reagan had a vase of mixed carnations. Norwarth Bros. of Easton, Pa., had one vase of Comfort which attracted much attention. Earnest Wild a fine vase of Beauty of Nice stocks, which received cultural certificate. Wm. H. Duckham had a superb exhibit of 10 pots of amaryllis seedlings which worthily got a cultural certificate and also a pan of Primula malacoides which was awarded a certificate of merit. Rose night is set for April 10. E. R.

NEW YORK.—A petition in bankruptcy has been filed against A. Moltz & Co., 57 West Twenty-sixth street, by three creditors. Liabilities are said to be \$6,000, with assets of \$2,500. A petition was filed against the firm January 12, but was dismissed shortly after as it was claimed they were solvent.

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No. 1 and No. 2.....	1 00@ 2 00
Killarney, My Maryland ..	6 00@ 8 00
extra and fancy.....	3 00@ 4 00
No. 1 and No. 2.....	1 00@ 2 00
Richmond.....	1 00@ 8 00
Carnations.....	1 00@ 4 00
Cattleyas.....	20 00@ 40 00
D. Formosum.....	15 00@25 00
Freesias.....	1 00@ 1 25
Gardenias.....	10 00@40 00
Lilies, Longiflorum and Harrisii .	4 00@ 8 00
Lily of the Valley.....	2 00@ 4 00
Oncidium.....	5 00@10 00
Sweet Peas., per doz, bunches, 1 00@1 25	
Violets.....	10@ 30
Adiantum Croweanum.....	75@ 1 00

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DES MOINES, IA.—The W. K. Fletcher Bulb & Floral Co. have leased 40 acres of land especially adapted for the growing of bulbs at Valley Junction. The rapidly increasing business and lack of room caused them to look for a larger piece of property.

HAVERHILL, MASS.—William W. Emerson has offered to plant boxes with seeds and plants along the old piers on either side of the Haverhill bridge at cost without any remuneration to himself. The plan is to cover the piers with flowers and vines and beautify a most unsightly pile of weather-beaten lumber. Sufficient funds have been contributed to defray the expense.



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Members of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET.

Send your orders for Chicago and Sub-
urbs to



All orders carefully filled
under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Nashville, Tenn.

Excessive rainfall during the greater part of last week had the effect of slackening up the trade to some extent. Saturday was a beautiful day and flower buyers were out in force and nearly every one wore a bunch of violets, which are very plentiful just now, and all the little "old woman's gardens" are sending them into market, at a sacrifice price, of course. All kinds of bulbous stock are abundant, but there seems to be sale for all of it. Tulips are especially beautiful and hold their own as to price remarkably well. Roses and carnations are doing well and will be in full flower for Easter. St. Patrick's day was characterized by the St. Patrick carnation which was everywhere in of uptown florists held large vases evidence, while the show windows of them, some very beautifully and perfectly colored. Preparations for Easter are now occupying the attention of all the growers, pushing forward some things and holding back others. There will be an abundant supply of Easter lilies, seemingly enough for every possible demand. Azaleas and rhododendrons will play an important part in the Easter trade, while some novelties will be brought out. The one time popular pelargonium was seen on some of the counters. Sweet alyssum is being used as a side flower in funeral work, fitting in prettily with hyacinths, lily of the valley and the larger flowers. The pot plant trade for Easter is receiving a large share of attention, as there is always a large demand for all kinds, the cheaper as well as the more pretentious and higher priced. M. C. D.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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Buffalo, N. Y.

**W. J. Palmer & Son,
304 Main Street.**

Members Florists' Telegraph Association.

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Terre Haute, Ind.

**John G. Hehl & Son,
129 South Seventh St.**

Telephone 247

We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

Missouri, Kansas or Oklahoma
Members Florists' Telegraph Delivery.

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JACOB SCHULZ,

Members Florists' Telegraph Delivery.
550 So. Fourth Avenue.

Colorado Springs, Colo.

FRANK F. CRUMP,
Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

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Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M. A. Bowe

IN THE HEART OF NEW YORK CITY.
Phone 6404 Madison Sq. 12 West 33d St
Our Motto—THE GOLDEN RULE.

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Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

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KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

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Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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THE J. M. GASSER COMPANY,

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We Cover All Points in Ohio.



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All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

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Atlanta Floral Co.

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Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

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**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

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1415 Farnum St.

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Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones:

1552-1553 Columbus

Choice Cut Flower's

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out
of-town florists Trade discount.

215 West Fourth Street.

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**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

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Phone 2416 Main.

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Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best

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96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
ycare of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of **GRAND RAPIDS**

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designa and Cut Flowers in Michigan

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

THE onion set acreage, at Chicago is likely to be increased the coming season.

SCHIZANTHUS WISETONENSIS is the subject of Ernst Benary's latest colored plate.

SEED POTATOES, true Red River grown stock, are firm at \$1.75 per bushel, with very brisk demand.

CHICAGO.—Prices on the Board of Trade, March 20, for grass seed were noted as follows: Timothy, \$11 to \$15 per 100 pounds.

THE question of field seed corn prices for April, when planting time is at hand, is an open one yet. Some think a high record price will be made.

LOMPOC, CALIF., March 8.—After a long dry spell we are having a very welcome rain and more promised. It is to be hoped that enough will come in time to save all crops.

ONION SETS have advanced sharply on wires for carlots from all points this week. Reds are now \$1.50 to \$1.60, whites \$1.90 to \$2, yellows, most scarce of all, \$2 to \$2.10, for good round lots.

BOSTON, MASS.—The Fottler, Fiske, Rawson Co. reports business this season to date as far ahead of that of 1911 and that the orders seem to be larger and include more of the extreme high priced seeds.

SANTA ANA, CALIF., March 18.—Since last reports abundant rains for present needs have fallen. Occasional showers until May will make good crops in most lines except those that should have had the winter in which to grow, which will be more or less short. Conditions for the tomato and bean crops are good.

MILWAUKEE, WIS.—A. Currie & Co. write as follows, March 16: "We are well satisfied with the outlook for business at this time. This is our second season in business and the increase over last year is far in excess of our expectations, in fact, our catalogue trade at this time amounts to almost as much as the total of last season's trade."

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

JOHN LEWIS CHILDS, of Floral Park, N. Y., who passed through Chicago March 18, returning from California, is not very optimistic as to the effect of recent rains on the crops in the seed growing districts, stating that those seeds which have been in the ground since last December must suffer materially, however favorable the future weather conditions.

TOULON, FRANCE.—The Syndicate for the Defense of Agricultural interests will hold its meeting for fixing prices to be made by the growers to jobbers April 27 next. It is stated by one of the large jobbers that rainy winter weather has caused Roman hyacinths to become diseased to some extent. At its last meeting which was held January 20, the syndicate is said to have passed a vote endorsing the conduct of its affairs by the Albert Ordinaire, secretary.

WASHINGTON, D. C.—The contract covering the congressional seed distribution is now being executed by the Robert Gair Company, Brooklyn, N. Y., who are employing their new packet filling machine under their own patent. It was reported in our issue of January 13 that the distribution was somewhat behind, but later information indicates that the Robert Gair Company have handled the work with greater expedition than they were given credit for. The filling of the seed packets is 90 per cent finished at this time and the work will be completed more than thirty days in advance of the agricultural department's requirements. The first report of their being behind doubtless had its origin in the fact that the Robert Gair Company were a little late in starting, but it is apparent that the progress since made has been unusually rapid. Obviously their new packet filling machine has proven successful and has fulfilled the expectations of the contractors in its efficiency.

French Bulb Acreage.

The following figures represent the number of acres planted to bulbs from which the 1911 crop was harvested:

Narcissus	3,552.54 acres
Hyacinths	717.75 acres
Lilium Candidum	395.36 acres

The professor in the French Agricultural Department does not state how the area planted for crop of 1912 compares with the above, but it is understood that there has been an increase in the plantings of Lilium Candidum and some falling off in the area planted to Roman hyacinths, leaving a total area substantially the same.

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California



Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

Grand Rapids Weather.

Writing under date of March 13, A. J. Brown, Grand Rapids, Mich., says: "We do not see very much difference between the weather we had in February and the weather we have at the present time, except that in February we 'waded' through several feet of snow, and now we 'walk' on a foot of solid ice. Temperature about the same."

March 16.—"Since writing you about weather conditions we have had another heavy snowstorm and everything now has the appearance of mid-winter."

Foreign Seed Potatoes Dangerous.

Although home-grown seed potatoes are selling at high prices, foreign-grown potatoes should not be substituted for them. The following statement on the danger to the American potato crop from the use of imported seed-potatoes is issued by the Secretary of Agriculture:

Europe has several potato diseases not now known to exist in this country, which, if introduced, might be the means of greatly reducing our annual yield of potatoes. Should these diseases become prevalent throughout the United States, the cost of producing future crops might be very greatly increased.

Do not, therefore, under any circumstances use foreign-grown potatoes for seed either at the north or at the south. The sorts which are coming to this country at the present time are late sorts and are not adapted to planting in the south where early potatoes are the main crop, neither are they adapted to planting at the north, for they will not produce a satisfactory yield.

They are not adapted to our soils or to our climate, and will not yield profitable crops; but the danger of introducing diseases not now present is sufficient reason for refusing to plant them.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Mention the American Florist when writing



H. WREDE,

LUNEBURG, GERMANY
PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed... 25c
1 oz. \$2.25

Price list on application. Cash with order.
Mention the American Florist when writing

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO, CALIFORNIA



Giant Pera.

grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

FREMONT. - - - NEBRASKA

Berlin Valley Pips

Surplus lots. All high grade.
Berlin type. A. B. S. pips.
Recent arrivals. Case lots only.
Ask for list of lots and F. O. B.
New York prices.

McHUTCHISON & CO.,

THE IMPORT HOUSE,

17 Murray St., NEW YORK.

Mention the American Florist when writing

Asparagus Plumosus Plants

2½-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best ob-
tainable \$1.00 per 100;
\$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA.

Mention the American Florist when writing

TEL

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Canta-
oupe, Watermelon, Squash and Pumpkin
seed; Sugar Flint and Field Seed Corns.

Mention the American Florist when writing



The Largest Wholesale Seed Growers in the World

Spring Finds Braslan Prepared. Those who have made the trip over the great Braslan acreages find the same evidence of preparedness everywhere. The crops—due to careful and timely cultivation—are in splendid condition. BRASLAN, as usual, can take care of your orders.

*Braslan Seed Growers Company, Inc.
Specialties: Onion, Lettuce, Carrot, Radish
SAN JOSE, CALIFORNIA*

☐ Booking now for 1912 delivery

BEANS, PEAS, RADISH
and all Garden Seed

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

A GOOD INVESTMENT.

Grow Cold Storage Lilies

For price and good quality write

C. C. POLLWORTH CO.,

Milwaukee

Founded in 1802

Thorburn's Seeds

Our Wholesale Catalogue for
Market Gardeners and Florists
will be mailed free. If you have not
yet secured a copy better
send for one now.

Lily of the Valley Pips.

A few still left; very high grade.
Prices on application.

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

Wanted

"BERMUDA" ONION SEED
of 1911 crop.
WHITE or CRYSTAL WAX.

Address "SOUTH," care American Florist.



TESTING

Practical, impartial commercial la-
boratory apparatus, as endorsed by
the Ass'n of Official Seed Analysts.
Booklet free. Send samples of
THE SEED TRADE REPORTING BUREAU
Postal Telegraph Building, CHICAGO

IF YOU SAW IT IN THE
THE FLORIST
SAY SO IN YOUR NEXT ORDER.

Announcement The W. K. Fletcher Bulb and Floral Co.

has leased for a long term a tract of 40 acres of land located within the city limits of Des Moines, and especially adapted for the growing of bulbs. The change is made necessary by reason of lack of room to care for our rapidly increasing trade.

While still within the limits of Des Moines, all mail should be addressed to Valley Junction, Iowa, as we are outside the free delivery limits of Des Moines. The latter city will remain our shipping point as heretofore.

We are sold out of Gladioli for this season's delivery and the greater part of the coming season's crop is already under contract. However, we will be pleased to quote prices on strong divisions of field grown clumps of the better sorts of dahlias upon request.

The W. K. Fletcher Bulb and Floral Co. WHOLESALE GROWERS AND IMPORTERS Valley Junction, Iowa

Onion Sets

FANCY RECLEANED HAND PICKED

Fancy Recleaned Yellow Sets, \$2.50 per bu.

Fancy Recleaned Silver Skin, \$2.50 per bu.

SEED POTATOES

Maine Grown

All Standard Varieties.

J. Bolgiano & Son

Almost 100 Years' Established Trade
Wholesale Seedsmen,

BALTIMORE, MD.

VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries
and Export Trade.

HILLEGOM, HOLLAND,

Wholesale growers of the leading sorts of Hyacinths, Tulips, Narcissus, Crocus, Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, Mr. G. HYLREMA, care of Messrs. Maltus & Ware, 14 Stone St., New York, for Catalogue and Special prices of all

HOLLAND BULBS AND PLANTS.

BURNETT BROS.

Importers and Growers of

Seeds, Bulbs, Plants
and Horticultural Sundries.

Telephone 2223 Cortlandt, NEW YORK
72 Cortlandt Street,
Write for our 1912 Spring Catalogue.

Send Advertisements Early
For Best Results.

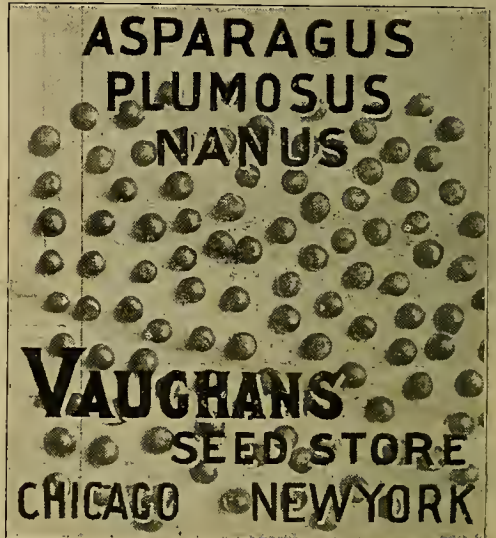
Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown.

of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$3.50; 5000 seeds at \$3.25 per 1000.

Vaughan's Seed Store,
CHICAGO. NEW YORK.



Hill's Fresh Tree Seeds

A complete stock of all leading hardy varieties. Well cleaned and carefully tested. Prompt shipments made. Ask for what you want. Lowest offers on application.

D. HILL NURSERY CO., Inc.
Box 602, Seed Dept.
Dundee, Ill.

Collectors and Extractors.
Import. Export.

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

Mention the American Florist when writing

—FOR— SEEDS

OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England.

TUBEROSES Dwarf Pearl.

1st size.....\$1.10 per 100; \$9.50 per 1000

Caladiums

5-7-inch.....\$2.00 per 100
7-9-inch.....3.50 per 100
9-11-inch.....6.00 per 100

BEGONIAS

Double, separate colors 4 00 per 100; 35.00 per 1000

Gloxinias Separate colors.
\$3.50 per 100; \$30.00 per 1000.

A. HENDERSON & CO.

30 E. Randolph St., CHICAGO
Mention the American Florist when writing

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. Bristol, Pa.

Mention the American Florist when writing

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Mention the American Florist when writing

Vaughan's Sweet Peas

Special Offer

Spencer Varieties

	oz.	¼ lb.	1 lb.
Apple Blossom, rose and blush.....	\$0 15	\$0 60	\$2 00
Asta Ohn, lavender tinted.....	20	65	2 40
Aurora, orange rose, striped on white	15	45	1 60
Blanche Ferry, pink and white.....	20	65	2 40
Captain of the Blues, standard purple, wings blue	15	60	2 00
Countess of Spencer, pale pink, darker edge	15	50	1 80
Duplex (Burpee's), pink; rich cream pink; nearly all the blooms have double or triple standards..pkt. 30 seeds for.....	20c		
Ethel Roosevelt, rose pink, primrose ground	50		
Evelyn Hemus, buff ground with rosy picotee edge	30		
Flora Norton, bright blue with slight tint of purple	20	70	2 80
Florence Morse, blush, with pink margin	20	70	2 60
Florence Nightingale, lavender.....	50	1 50	
George Herbert, standard rosy magenta, wings deep carmine.....	15	60	2 00
Helen Lewis, standard orange, wings salmon	15	45	1 60
King Edward VII, rich red.....	15	60	2 00
Marie Corelli, rose carmine, tinted cherry red	25	1 00	4 00
Mrs. Hugh Dickson, pale salmon pink on cream ground	25	1 00	
Mrs. Routzahn, apricot, suffused with pink	15	60	2 00
Othello, rich deep maroon.....	25	1 00	
Pearl Gray (Burpee's), pearl or dove gray, suffused with light rose; .....pkt. 25 seeds for 20c			
Primrose, primrose	15	40	1 60
Tennant, purplish mauve	16	50	1 80
Vermilion Brilliant (Burpee's), most brilliant iridescent scarlet.....pkt. 25 seeds for 20c			
White, pure white, very scarce.....	25	1 00	4 00



Spencer Sweet Peas

Vaughan's Spencer Hybrids, mixed. In offering this mixture we are giving our customers the cream of this class in all possible color variations, and we are confident many happy surprises will result, as we have included in this not only the above sorts but many others which are new and striking in this class. oz., 15c; ¼ lb., 40c; 1 lb., \$1.40.

Unwin and Grandiflora Types

Any of the following per oz. 5c., except where noted.

	¼ lb.	1 lb.	¼ lb.	1 lb.
Black Knight, dark maroon.....	\$0 15	\$0 40		
Blanche Ferry, pink and white..5 lbs. for \$1.40	10	30	\$0 10	\$0 30
Bolton's Pink, pink shaded rose..5 lbs. for 1.30	10	30	15	45
Captain of the Blues, purplish mauve.....	10	30	45	1 60
Countess of Radnor, delicate lavender.....5 lbs. for \$1.40	10	30	15	40
David R. Williamson, rich indigo blue.....	10	30	15	40
Dorothy Eckford, one of the best whites.....5 lbs. for \$1.30	10	30	15	40
Emily Henderson, white, early..5 lbs. for \$1.35	10	30	15	40
E. J. Castle, rich carmine rose, with salmon shading	15	50	15	40
Frank Dolby, largest and finest pale blue..	20	80	15	40
Flora Norton, a very bright blue.....	10	30	15	40
Glady's Unwin, pale rosy pink..5 lbs. for \$2.25	15	50	15	40
Helen Pierce, blue, with dark grain markings	15	50	15	40
Hon. Mrs. E. Kenyon, yellow.....	10	30	15	40
King Edward VII, special selection, best red..5 lbs., \$2.25	15	50	15	40
Lady Grisel Hamilton, lavender..5 lbs., \$1.00	10	35	15	40
Lottie Eckford, white, suffused lavender...	15	30	15	40
Mrs. Geo. Higginson, Jr., a clear delicate light blue	10	30	15	40
Navy Blue, deep violet blue.....	15	40	15	40
Nora Unwin, giant white.....5 lbs., \$2.25	15	50	15	40
Othello, a beautiful dark brown chocolate-red color	\$0 10	\$0 30		
Queen Alexandra, giant size scarlet.....	15	45		
Rose du Barri, carmine rose.....oz., 15c	45	1 60		
Salopian, one of the best of the dark bright reds	15	40		
White Wonder, the many-flowered white...	15	40		

Sweet Peas in Mixture

Vaughan's Prize Mixture—This mixture contains the cream of the new and standard sorts, including most of the new Spencer varieties. It is made up entirely of separate named sorts, carefully proportioned to its composition, and we can safely say "there is no better mixture in existence," no matter at what price or under what name it may be offered. Per ¼ lb., 20c; 1 lb., 60c; 10 lbs., \$5.50.

Vaughan's Florist Mixture—This is a mixture made by ourselves, of principally light-colored varieties, suitable for florists' cut-flower trade. It is a very carefully proportioned mixture, and gives satisfaction. Per ¼ lb., 25c; 1 lb., 85c; 5 lbs., \$3.75.

Eckford Mixture—This mixture contains over thirty varieties, including some of the novelties of 1911 and other choice sorts. Per ¼ lb., 10c; 1 lb., 30c; 10 lbs., \$2.80.

VAUGHAN'S SEED STORE,

25 Barclay St., NEW YORK.

31-33 W. Randolph St., CHICAGO.

GLADIOLI

Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Brencleyensis, Etc.
Lilies, Summer Flowering Bulbs and Hardy Plants.

E. S. MILLER, Wading River, N. Y.

Onion Seed—Onion Sets

We Are Extensive Growers and Dealers.

Write for prices on the 1911 crop. We are also submitting contract figures for the 1912 crop of Onion Seed.

SCHILDER BROS., Chillicothe, O.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

DRAKES SATISFACTORY SEEDS

In Which Quality, Superiority of Our Strains, and Very Moderate Prices are Leading Features

A TRIAL WILL CONVINC YOU

TOMATO	Oz.	¼ lb.
Spark's Earliana	12c	45c
Cbalk's Early Jewel	12	45
Early Acme	10	35
Matchless	10	35
Dwarf Champion	12	45
New Stone	10	35
Livingston's Beauty	10	35
" Favorite	10	35
" Perfection	10	35
" Globe	15	60
Success	10	35
Ponderosa	15	60
Honnie Best	15	60
Golden Queen	12	45
Yellow Plum	15	60
Dwarf Stone	15	60

CAULIFLOWER		
Earliest Snowball	\$1.50	\$5.00
Erfurt Extra Early	1.25	4.50
New Enkhuizen Market	1.25	4.50
Extra Early Paris	.40	1.50
LeNormad's Short Stem	.40	1.50

CELERY	Oz.	¼ lb.
Golden Self Blanching	\$1.00	\$1.00
White Plum	.12	.40
Boston Market	.12	.35
Perfection	.12	.35
Giant Pascal	.12	.35
New Winter Queen	.12	.35

EGG PLANT		
New York Improved	.15	.60
New Jersey	.15	.60

CABBAGE		
New Enkhuizen Glory	15	50
Early Jersey Wakefield	12	45
Charleston Wakefield	12	45
All Head Early	15	45
Early Winnigstadt	10	40
Early Succession	15	45
Early Summer	15	45
Danish Ball head	15	50
Sure Head	12	45
Late flat Dutch	12	45

CABBAGE	Oz.	¼ lb.
Improved Drumhead	12c	45c
Red Rock	12	45
Perfection Savoy	12	45

PEPPER		
Ruby King	10	35
Sweet Mountain	10	35
Ball Nose	10	35

LETTUCE		
Black-seeded Simpson	5	15
Big Boston	5	20
Denver Market	5	15
Hanson Improved	5	15
Teenberg	5	15
New Morse	5	15
Prize Head	5	15
Salamander	5	15
Grand Rapids	5	15
Black-seeded Tennis ball	5	15
Black-seeded Butter	5	15
New York Market	5	15

Other specialties are BUSH BEANS, ONION SEED and ONION SETS. I am a grower of the very finest NEW JERSEY SWEET CORN. Write for Lowest Prices

J. AUG. DRAKE, Seedsman, Chester, N. J.

ROOTED Carnation Cuttings

	Per 100	1000
Washington	\$1.00	\$35.00
Mrs. C. W. Ward	3.00	25.00
Beacon	3.00	25.00
White Enchantress	3.00	25.00
May Day	2.50	20.00
Sangamo	2.50	20.00

250 at 1000 rate. Satisfaction guaranteed.

Will exchange any of the above for 2½ inch Asparagus Plumosus.

DES PLAINES FLORAL CO., Des Plaines, Ill

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Mention the American Florist when writing

Japanese Lilies

Spec. Album, 9 in.-11 in.	per 100.	\$13.00
Rubrum, 9 in.-11 in.	per 100.	9.00
Melpomene, 9 in.-11 in.	per 100.	9.50
Tuberoses, Double, pearl, 4 in.-6 in.		\$8.00 per 1000.

WEEBER & DON Seed Merchants and Growers.

114 Chambers Street, NEW YORK, N. Y.

Easter Plants

BABY RAMBLERS Fine Large Plants in Bloom, 50cts. each.

SPIRAEA in Bloom, 40cts. each.

A Full Line of Blooming and **DECORATIVE PLANTS** for Easter.

Send for List.

Holton & Hunkel Co.

Milwaukee, Wis.

ASTER BOOK

FOR FLORISTS

Now Ready.

Ask for copy.

JAMES VICK'S SONS
Rochester, N. Y.

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radiah, etc. Correspondence solicited.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

CHOICE German Flower Seeds

Catalogue free on application.

FREDERICK ROEMER,

Seed Grower, Quedlinburg, Germany

Rooted Carnation Cuttings

One of the best, if not the best, growers in this vicinity still has several thousand extra choice White, Light Pink and Enchantress Carnation Cuttings yet to offer at \$20.00 per 1000.

PERCY JONES

56 E. Randolph St., CHICAGO

Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., **ADRIAN, MICH.**

SEEDS Best that grow. We sell direct to gardeners and florists at wholesale. Big beautiful catalogue free. Write today.

ARCHIAS SEED STORE, Box 52, Sedalia, Mo.

IF IT IS

Water Melon and Musk Melon Seeds

Get them from

J. FRANK CORY,

Contract Grower, **ENID, OKLAHOMA.**
Complete Delivery by Oct. 15, 1912.

Burnett's "Magnificent" Sweet Peas

Comprising all the Latest Novelties of American and English origin for season 1912.

Burnett's "Prizewinner" Gladiolus

Containing twenty-four splendid named varieties, selected from the world's best introductions, which contain the richest and most beautiful colors.

For prices and varieties, write for illustrated catalogue, mailed free.

Cold Storage Valley always on hand.

BURNETT BROS.

Seedsman, Telephone 2223 Cortlandt, 72 Cortlandt St., NEW YORK

Special Gladioli for Spring Planting

Gladiolus Safrano—Long spike; large, slightly fringed flowers of a delicate nankeen-yellow; center currant-red and stripes of the same color. Very handsome. A very fine ruffled and handsome variety... \$30 00
Gladiolus Princeps—(The Amaryllis-flowered Gladiolus.) Color rich crim on with broad white blotches across the lower petals, making it a most striking variety..... 12 00

Gladiolus Niagara [Banning]—In type the variety resembles "America," but the flowers appear to be somewhat larger, measuring 4½ inches across. In color the flowers are a delightful cream shade, with the two lower inside petals or segments blending to canary yellow..... \$18 00
Gladiolus Baron Hulot—The finest blue Gladiolus yet seen. Rich deep indigo shade..... 10 00

Hyacinthus Candicans.

	Per 100	Per 1000
1-2-inch	\$1 25	\$10 00
2-3-inch	1 50	12 00

Caladium Esculentum.

	Per 100	Per 1000
5- 7	\$2 00	\$15 00
7- 9	4 00	30 00
9-11	5 00	40 00

Lycoris Squamigera.

	Per 100	Per 1000
Hardy Amaryllis..	\$10 00	\$90 00

Madeira Vines.

	Per 100	Per 1000
Large select	\$1 50	\$10 00

All Other Summer-Flowering Bulbs on Hand.

JOHN LEWIS CHILDS,

Flowerfield, L. I., N. Y.

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmca, Mizogonetta, Verbena variety. Correspondence Solicited.

S. D. WOODRUFF & SONS,

ORANGE, CONN. NEW YORK CITY.

Seed Growers and Importers.

Specialties: Beet, Carrot, Sweet Corn, Peas, Beans, Onion Sets and Seed Potatoes. Catalogue free. Quick freight shipments from New York, via rail or steamer to all parts of the U. S.

Telegraph Code

Am. Seed Trade Association

— \$2 00 —

Either stiff or flexible covers. Address orders

American Florist Co., Chicago.

GLADIOLI

SIZES	PER THOUSAND						Bulbs per Bushel
	1	2	3	4	5	6	
Taconic	20.00	15.00	10.00	7.00	5.00	4.00	20.00
Angusta	Sold		8.00	6.00	5.00	4.00	16.00
Crawford's New America	20.00	15.00	10.00	7.00	5.00	4.00	20.00
" Grace Henry	16.00	12.00	9.00	6.00	4.00	3.00	16.00
Eben E. Rexford	15.00	11.00	8.00	5.00	4.00	3.00	15.00
Whites & Lights	Sold		8.00	5.00	4.00	3.00	15.00
Prize Mixture	Sold		5.00	4.00	3.00	2.50	12.00
Lily Coe—The Best Pink	28.00	21.00	17.00	12.00	9.00	6.00	28.00
Klondyke—Best Yellow	20.00	15.00	10.00	7.00	5.00	4.00	20.00
Mrs. Watt—Madison's Fav.	35.00	26.00	19.00	14.00	10.00	7.00	35.00

Crawford's Isabel—the Purest White, One Dollar per Bulb of Flowering Size

A few specialties, prices of which will be quoted on request:

Sara, Winnifred, Lavender, Amethyst, Frances Willard, Queen of Sheba, Blue Hybrids.

MALLORY & BROWN

Gladiolus Specialists

MADISON, WISCONSIN

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. MILFORD, CONN.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Roetenik Cleveland, O., Treasurer.

NEW CARLISLE, O.—Two houses filled with lettuce, each 65x200 feet, belonging to W. N. Scarff, became so weighted with snow that they collapsed during the storm of February 21. The loss is estimated at \$3,500.

FLORIDA truck lands, so extensively exploited, need from \$20 to \$40 worth of fertilizers per acre and considerable lime the first season in the new Everglade section. Only shrewd and capable farmers or truckers, with sufficient capital for two or three years should take up this work.

Prices of Indoor Fruits and Vegetables.

Chicago, March 18.—Mushrooms, 15 cents to 35 cents per pound; radishes, 15 cents to 40 cents per dozen bunches; rhubarb, 40 cents per bunch; lettuce, 15 cents to 17½ cents, small cases; cucumbers, \$1.40 to \$1.50 per dozen; asparagus, \$1 to \$1.50 per dozen bunches.

New York, March 16.—Mushrooms, 75 cents to \$2 per 4-pound basket; cucumbers, \$1.50 per dozen; tomatoes, 10 cents to 35 cents per pound; radishes, \$1.50 to \$3 per 100 bunches; lettuce, 75 cents to \$1 per strap; rhubarb, 40 cents to 60 cents per bundle and 60 cents to 90 cents per dozen bunches; mint, 40 cents to 60 cents per dozen bunches; beet tops, \$1.25 to \$1.50 per box.

Outdoor Radishes.

In many sections of our country the radish or better cabbage maggots have made early radishes rather uncertain crops. In our locality the early crop has been practically abandoned, as there is no use trying. The first warm days in the spring the maggot flies get busy and they seem to do their work so thoroughly that no matter how large the planting, we have seen cases where not a single radish came through sound. Curiously, there are many gardeners who are entirely ignorant in regard to the true cause and nature of this pest. Most believe it is in the ground and many believe it is caused by excessive manuring. However, when we realize the damage is caused by a fly depositing eggs at the stem of the seedling radishes, and that this fly is very similar to a common house fly, we commence to understand our troubles. These eggs hatch in a short time and the young larvæ attack the roots, discoloring and finally ruining the plants. As these flies are good on the wing, changing of ground does little good. In fact, one man may never have grown a radish, turnip or cabbage and a neighbor may furnish all the pests needed. We have finally discarded all other varieties of radishes except Scarlet Globe. These we produce heavily, and the first three sowings are made under cheesecloth frames, which not only keep the flies out, but produce earlier and nicer radishes, as in the protected frames they become very tender.

MARKETMAN.

Endive for a Winter Crop.

ED. AMERICAN FLORIST:—

Will you kindly inform me how endive is grown for a winter crop? What is the best variety for this purpose? When should the seed be sown? Can it be grown in mushroom pits under benches in the greenhouse? W. M. New York.

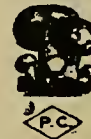
Endive for a winter crop should be started as late as possible to get fair size for many reasons. We will mention a few as a guide: If sown early, they often run to seed; they grow so heavy at times as to rot in rainy weather in early fall; they get tender with age and size and are easily hurt by frosts. On the other hand, the younger thrifty crop has no such troubles. We would advise "W. M." to make two plantings, one about June 25 and the other about July 10. Being easily transplanted, we always sow the seeds in frames broadcast and transplant into field rows wherever vacancies occur in August. They should have 15 inches each way, or better 12 x 24, which will allow of some hilling to protect from freezing in late fall. The best variety is the Green Curled, as we want size and hardness. If in proper condition, they will stand much freezing, more than celery. At the approach of cold weather we tie them all up and lift with a ball of earth and store in cold frames or benches much like celery; or they may remain where they are if there is room for hilling and covering; or they may be lifted with balls of earth, stood close together in rows of two or three and hilled over entirely like late celery. They will thus fill out with beautiful golden hearts; if the weather turns too cold they can be put under benches to complete the bleaching; but by all means tie up the crop as soon as danger of hard freezing is near. Another way is to lift without tying, place in frames or under benches and bleach in darkness.

MARKETMAN.

Growing Vegetables.

In a paper read before the Massachusetts Horticultural Society by William N. Craig, gardener at Langwater Gardens, North Easton, entitled "A Year's Supply of Vegetables from the Home Gardens," the essayist called particular attention to the advisability of everyone growing their own vegetables and thereby greatly reduce the high cost of living. He stated there is no reason why thousands of persons of moderate means should not raise practically all the vegetables needed for themselves and families. Vegetables will grow well in almost any soil on which water does not stand, clayey soils can be improved by the

addition of street scrapings, sand, fine gravel or fine coal ashes, and soils which are acid should have a liberal dressing of lime, and a change of crops from year to year where this can be done. A list of vegetables for the home table was given with a few cultural directions for each, which included peas, beans, potatoes, root crops, cabbages and tomatoes.



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

Pure Culture Mushroom Spawn

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

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

Success in Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

Plants for the Southwest

Strong plants, from two and one-fourth inch pots.

	Per 100
Alternantheras, both colors.....	\$ 2.00
Antirrhinum, white.....	2.00
Asters, several strains, separate colors.....	2.00
Candytuft, giant hyacinth flowered.....	2.00
Chrysanthemums, leading varieties.....	\$3 to 6.00
Coxcomb, Pres. Thiers.....	3.00
Cyprus Alternifolius, 4-inch.....	10.00
Dianthus, separate colors.....	2.00
Dew Plants, strong.....	2.00
Geraniums, the best leading varieties.....	3.00
Geraniums, Spaulding's Pet. Bright Scarlet, the very best bedder known.....	2.50
Ice Plant.....	2.00
Ivy, German and Kenilworth.....	2.50
Moonflower, white.....	3.00
Moonflower, Learii, blue.....	3.00
Jantanas, all the leading varieties.....	4.00
Nasturtium, double dwarf.....	3.00
Pansies, best strains, strong transplanted.....	2.00
Petunias, single mixed.....	2.00
Petunias, Giants of California.....	3.00
Pothos - urea.....	6.00
Plumbago Capensis, blue.....	4.00
Plumbago, white.....	4.00
Smilax.....	3.00
Salvias.....	2.00
Tradescantia, both colors.....	2.00
Vinca Major, white and pink.....	2.50
(The best bedding plant for hot, dry climate.)	
Verbenas, separate colors.....	2.50
Rosedale Arbor-vitae, 3-5-in. for lining out in Nursery.....	2.00

Cash with Order, Please.

BAKER BROS. CO.

FT. WORTH, TEXAS

TO THE TRADE

HENRY METTE, Quedlinburg, Germany

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogus free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per ea., or \$1.50 per ¼ ea., 75c per 1-16 ea., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Tuberose

True Dwarf Pearl Per 1000

First Size, 4-6-in.....\$ 9.00
 Medium, 3-4-in..... 5.00

GLADIOLUS

Mrs. Francis King, Medium..... 17.00
 Augusta, Medium..... 16.00
 America, Medium..... 27.50
 Kunderdi "Glory"..... Per 100, \$7.50 70.00
 Florist XXX, Mixed..... 15.00
 Princeps, The King of all Gladioli, per 100, \$10.00

CALADIUMS

(ESCULENTUM)

5- 7-inch.....\$15.00
 7- 9-inch..... 30.00
 9-11-inch..... 55.00

COLD STORAGE STOCK

Valley Pips

Per 1000
 London Market.....\$15.00
 Premium Brand..... 13.00

Lilium Album Per 1000
 8 to 9.....\$95.00

Lilium Rubrum
 9 to 11..... 80 00

Lilium Auratum

Per 1000
 8 to 9.....\$50.00
 9 to 11..... 80.00

CHICAGO

Vaughan's Seed Store, NEW YORK

CARNATION CUTTINGS

FOR IMMEDIATE DELIVERY.
 STRONG, HEALTHY STOCK.

	Per 100	Per 1000
Washington.....	\$6 00	\$50.00
Bright Spot.....	6.00	50.00
Mrs. C. W. Ward.....	4.00	30.00
Sangamo.....	3.00	25.00
Dorothy Gordon.....	3.00	25.00
White Enchantress.....	3.00	25.00
Enchantress.....	3.00	25.00
White Perfection.....	3.00	25.00
May Day.....	3.00	25.00
Beacon.....	3.00	25.00
Scarlet Glow.....	3.00	25.00

A. C. BROWN, Springfield, Ill.

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.

	Per 100	Per 1000
Double Pink		
Killarney, 2½-in.....		\$120 00
Richmond, 2½-in.....	\$12 00	120 00
Sunburst, 2½ in.....	35 00	
Maryland, 2½-in.....	12 00	120 00
Mrs. Aaron Ward, 2½-in.	14 00	120 00
Melody, 2½-in.....	14 00	120 00
Mrs. Taft or Prince de		
Bulgarie, 2½-in.....	14 00	120 00
Radiance.....	11 00	120 00

OWN ROOT.

	Per 100	1000
Pink and White		
Killarney, 2½-in.....	\$6 50	\$60 00
Maryland, 2½-in.....	6 50	60 00
Richmond, 2½-in.....	6 00	50 00
Antoine Rivoliere, Mrs.		
Taft, or Prince de Bul-		
garie, 2½-in.....	8 00	70 00
Radiance, 2½-in.....	8 00	
Melody, 2½-in.....	8 00	70 00
Mrs. Aaron Ward, 2½-in.	8 00	70 00
Dbl Pink Killarney, 2½-in.	8 00	70 00

Good, Big Clumps of Croweanum, \$10.00 per 100.

Orders are now booked for April, May, June and July delivery.
 All goods are sold for cash or 30 days on approved credit.

BUDDING KNIFE FREE. See Page 495.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President;
W. H. Wyman, North Abington, Mass., Vice-
President; John Hall, Rochester, N. Y., Sec'y.
Thirty-seventh annual convention to be
held at Boston, Mass., June 12-14, 1912.

WASHINGTON, D. C.—The superintendent of parks and parkings of the District of Columbia has completed plans for planting 2,500 trees this spring.

THE report of the "Transactions and Proceedings" of the first annual meeting of the California Association of Nurserymen is a splendid example of the fine work of the printer, and contains a verbatim report and all the valuable papers read at the interesting meeting of this young and enthusiastic society.

Augusta, Ga.

The P. J. Berckmans Co. report a heavy and growing demand for ornamentals and though they had the largest stock of these they ever handled, many varieties are sold out entirely. Everything is still perfectly dormant, and business the past six weeks has been more than could be attended to promptly. The winter has been the most unfavorable from the weather standpoint ever experienced, it commenced to rain early in November and still continues. Two days a week in nursery work have been lost on the average and planting, consequently, is very much delayed. We have had two snowstorms, one January 14 when 4½ inches fell, followed four weeks later with a fall of six inches. It has been impossible to get to some parts of the nursery for six weeks. Orders have been good but shipments have been delayed on account of the conditions caused by the weather.

A New Allanthus.

The ordinary Tree of Heaven (*Ailantus glandulosa*) is now fairly well known in gardens in this country, where it makes a stately and ornamental tree during the summer months, growing as it does at a fairly rapid pace. A new species, says The Garden, named *Ailanthus vilmoriniana*, has, during the last year or two, attracted considerable attention, mainly on account of the large size of its ornamental, pinnate leaves. Edwin Beckett of Aldenham House Gardens, Elstree, furnishes the following information relating to this particular tree: "The plant has made remarkable growth, and measures exactly six feet in height. The leaves, which are really magnificent, are produced at approximately every two inches of the plant's growth. These measure from four feet to six inches to five feet in length, and produce eighteen to twenty pairs of leaflets, the largest of which are about eight inches in length by two and a half inches wide. The midrib is a beautiful red, which contrasts strikingly with the green leaflets. The main stem is quite spinous. We have several others planted out, and each is forming a beautiful plant."

American Association of Nurserymen.

If the thirty-seventh annual convention of the American Association of Nurserymen is not a splendid success it will not be the fault of the New England members of the craft. A joint meeting of the various committees was held in Boston, March 12, and was attended by Secretary John Hall, Vice-President W. H. Wyman and Harlan P. Kelsey, of committee on arrangements; J. Woodward Manning, committee on entertainment, and A. E. Robinson, committee on exhibits. A change in convention headquarters was found necessary, and Hotel Somerset was unanimously chosen. This hostelry is located at Commonwealth avenue, is of fireproof construction, thoroughly up-to-date, and affords ample facilities for the association meetings and for exhibits. Chairman Manning of the entertainment committee is absolutely embarrassed by the liberality of his local brethren, who are displaying that spirit of genuine hospitality so characteristic of New England in their determination to make the occasion memorable.

The dates of the convention are June 12-14. The business sessions will be confined to mornings, and will be occupied with the discussion of topics of vital interest to the trade. The secretary is preparing the annual circular of the particulars which he expects to mail very soon. In the meantime he urges upon the patrons of the badge book the wisdom of preparing their copy now so as to facilitate an early issue of that publication. Exhibits promise to be more numerous than ever, and those interested should lose no time communicating with A. E. Robinson, Lexington, Mass.

The various railroad passenger associations announce that summer tourist tickets will be on sale beginning June 1, on a basis, approximately of one and one-half first-class fares for the round trip; and the wish is expressed that many of the western members might make this an occasion for summer vacation for themselves and family.

Requests for further information regarding either the convention arrangements or as to membership, may be addressed to John Hall, secretary, 204 Granite Building, Rochester, N. Y.

GRAND RAPIDS, MICH.—The Wealthy Avenue Floral Co. is planning to rebuild their plant with modern greenhouses of steel and concrete construction.

OMAHA, NEB.—A very heavy fall of snow the last of February crushed in a section of the greenhouse of Peterson Bros., entailing a loss of about \$1,500.

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.
Prices low. Send for list.

Wood Brothers, FISHKILL,
New York.

Mention the American Florist when writing

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.



Moon's

A nursery with an enormous collection of thrifty Ornamental Trees & Shrubbery for landscape plantings. Catalogue upon request

The Wm. H. Moon Co.,
MORRISVILLE, PA.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	\$1 00	\$7 00
15 to 20 in., 3 or more branches	1 50	10 00
20 to 30 in., 4 or more branches	2 00	15 00
2½ to 3 ft., strong, 6 or more branches	3 00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4 00	30 00

Write for special prices on carload and large orders.

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You can work up a good, profitable, permanent business in Evergreens if you have the right kind of stock. A trial order of

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will convince you that we do know how to grow them, and that our business methods and our prices are right. We are Evergreen Specialists—have been in that business for over half a century. Get our Wholesale Catalog and prices.

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Evergreen Specialists. Largest Growers in America
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Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

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Rhododendrons

A superb lot of Grafted Hybrid Rhododendrons just received from Holland, 18-24 in. well budded; clean, dark, healthy foliage, no brown, broken or burned leaves. A single importation of FIVE CARLOADS enabled us to buy at a very low price. We offer the surplus plants at a correspondingly low price of **\$5.00 per dozen, \$40.00 per hundred, packed and f. o. b. here. Quality and condition guaranteed.**

- 35 Alice Heye, crimson
- 55 Album Novum, white
- 15 Anna Parson, violet
- 20 Album Spendidum, blush
- 20 Alexander Adle, (X) scarlet
- 200 Abraham Lincoln, reddish-purple
- 15 Braynum, crimson
- 40 Boule de Nègre, white
- 330 Catawbiense Housnutt, (X) purple
- 500 Catawbiense Grandiflorum, (X) rosy-purple
- 20 Charles Bagley, rosy-flesh
- 80 Chevalier Pefix de Sauvage, dark red
- 35 Cynthia, scarlet
- 10 Doneaster, scarlet
- 45 Delicatissima, rosy
- 160 Everlastingum, lilac-rose
- 125 Frederick Waterer, fiery-crimson
- 35 Fastuosum Flore Pleno, (X) lavender
- 30 Gigantea, bright rose
- 10 Gomer Waterer, white
- 200 H. H. Hunnewell, dark crimson
- 10 John Waterer, (X) dark crimson
- 10 Julius Schame, rose
- 10 Kettledrum, purplish-crimson
- 40 Kate Waterer, (X) rose
- 45 Lord Roberts, dark red
- 220 Lady Armstrong, pink
- 35 Libantum, white and yellow
- 45 Ludwig Leopold Leibig, cherry
- 70 Mrs. Miller, red
- 40 Mrs. R. S. Holsford, (X) salmon

- 10 Mme. Carvalho, white
- 20 Mme. Mason, white
- 500 Maximum, white
- 35 Monsieur Thiers, carmine
- 20 Mrs. John Clutton, (X) white
- 20 Mrs. Fitzgerald, cherry
- 80 Mme. Wingoer, white and rose
- 15 Mme. J. Moser, red
- 30 Mrs. John Waterer, (X) pink
- 30 Marshall J. Brooks, (X) scarlet
- 20 Notable, rose
- 250 Purpurea Elegans, lilac-rose
- 300 Prince Camille de Rohan, white
- 20 Purpureum, dark
- 35 Pelopidas, (X) carmine
- 100 Parson's Gloriosa, blush
- 160 Parson's Grandiflora, red
- 180 Purpureum Grandiflorum Rubrum, dark red
- 70 Roseum Elegans, reddish-rose
- 500 Roseum Maximum, lilac-rose
- 50 Roseum Superbum, rosy-red
- 130 Superior, crimson
- 50 Sir Robert Peel, scarlet
- 10 Smitsi Aurea
- 130 Sir Henry Havelock, (X) cherry
- 10 The Warrior, dark red
- 40 Vauban, mauve
- 55 Vesuvius, red
- 25 William Austin (X) red

(X) indicates varieties suitable for forcing.

We have never seen a finer lot of Rhododendrons. Equal grade and quality cannot be bought on the other side at this price now. Rhododendron buyers will do well to correspond with us immediately.

Jackson & Perkins Company

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Wayne County,

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New York

Roses Originated by Jackson Dawson
Write for pamphlet, including prices.
EASTERN NURSERIES,
1090 Centre St., JAMAICA PLAIN, MASS.
H. S. DAWSON, Manager.

Alternantheras · Coleus

Red, Yellow, 2 1/4 pot, April 20th	Per 100	\$2.00	10 varieties, 2 1/4 pot.....	Per 100	\$2.00
Geraniums, S. A. Nutt and 5 varieties from 3 in. pot, April 20th.....	4.00		Verbena, 2 1/4 pot.....	2.00	
Geraniums, 2 1/2, April 20th.....	3.00		Petunias, May 1st.....	3.00	
Asp. Plumosus and Sprengeri, 2 1/4 pots, May 1st.....	2.00		Canna, 10 varieties, 3 in. pot.....	4.00	
			King Humbert, 3 in. pot.....	6.00	
			Fancy plants in bud	1.50	

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Ampelopsis Veitchii, 1 and 2 year old No. 1, \$4.00 and \$8.00 per 100; fine field grown stock with long live vines. Clematis Paniculata XX 2 year field grown vines, \$7.00 per 100; 3 year vines, very heavy, \$8.00 per 100. 200,000 Privet, all sizes. Shrubs, Vines, Bulbs, etc. low; get my list, it will pay.
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of the New and Leading Market Varieties
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Phoenix Canariensis balled, by the carload, 2, 2 1/2, 3, 3 1/2, 4, 4 1/2, 5, 5 1/2, 6, 6 1/2 ft. at 25c, 30c, 40c, 55c, 75c, 95c, \$1.20, \$1.45, \$1.75 and \$2.00 each.

Areca Lapida potted, 2 1/4, 3, 3 1/2, 4, 4 1/2, 5, 5 1/2, 6 ft. at \$1.00, \$1.30, \$1.60, \$1.90, \$2.20, \$2.50, \$2.80 and \$3.10. On small orders, 25% extra, packing included.

THE KENTIA NURSERIES,
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PRIMULAS, Obconica and Chinese, in bloom, \$5.00 per 100; 2 1/4-in., ready for 4 in. pots, \$1.50 per 100, \$12.50 per 1000. SPRENGERI, fine 2 1/2 in., \$1.50 per 100, \$12.50 per 1000. CINERARIAS, Dwarf Prize: SNAPDRAGONS; BOULE ALYSSUM; HELIOTROPE; fine 2 1/2 in., \$2.00 per 100, 300 for \$5.00. FERNS, Whitmani, 4-in., \$10.00 per 100. HARDY IVY, 3 to 4 ft., 4-in., fine, \$8.00 per 100. VINCA, Variegated, 4-in., \$7.00 per 100.

J. C. SCHMIDT, Otter and Maple Sts., BRISTOL PA.

Carnations

Rose Pink Enchantress, from soil, \$24 00 per 1000.
Enchantress, from soil. \$29 00 per 1000.

	R. C. per 100	1000
White Wonder	\$6 00	\$50 00
Norwood	6 00	50 00
Dorothy Gordon	4 00	35 00

	R. C. per 100	1000
White Enchantress	\$3 00	\$25 00
Enchantress	3 00	25 00
Beacon	3 00	25 00

	R. C. per 100	1000
Rose Pink Enchantress	\$2 50	\$20 00
Winsor	2 50	20 00

CHRYSANTHEMUMS

PINK.		
	R. C. per 100	1000
Gloria	\$2 50	\$20 00
Amorita	2 50	20 00
Dr. Enguehard	2 50	20 00
Pacific Supreme	2 00	15 00
Balfour	2 00	15 00
CRIMSON.		
Pockett's Crimson	\$2 50	\$20 00
Schrimpton	2 50	20 00
Intensity	2 00	15 00

YELLOW.		
	R. C. per 100	1000
Crocus, the best yellow	\$4 00	\$35 00
Yellow Eaton	\$2 50	\$20 00
Golden Glow	2 00	15 00
Halliday	2 00	15 00
Maj. Bonnaffon	2 00	15 00

WHITE.		
	R. C. per 100	1000
White Chadwick	\$3 00	\$27 50
Lynwood Hall	2 50	20 00
White Eaton	2 50	20 00
Alice Byron	2 00	15 00
Touset	2 00	15 00
October Frost	2 00	15 00

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Every One a Plant. Every One Will Grow.

Pot plants of **Alma Ward, White Perfection, Winona, Mrs. C. W. Ward and Beacon** at \$2.50 per 100; \$20.00 per 1000. **Victory**, an extra fine lot at \$2.00 per 100; \$15.00 per 1000. **White Wonder** and **Washington** at \$5.00 per 100.

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April Delivery.
S. A. Nutt.....per 1000, \$11.50
Ricard and Poitevine.....per 1000, 14.00

COLEUS

Golden Bedder, Verschaffeltii and the standard assorted, at \$6.00 per 1000.
Giant Leaved at \$2.50 per 100.

Asparagus Plumosus

Extra fine stock at \$2.50 per 100; \$25.00 per 1000

SMILAX

Ready June 1st. Extra quality at \$12.50 per 1000.
To save time send cash with the order.
Samples of any thing for ten cents.

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Grafted Rose Plants

Choice stock from flowering wood, ready for delivery April 1st.
Well hardened and in good condition to bench or repot.

Mrs. Aaron Ward	per 100, \$12.00	White Killarney.....	per 100, 12.00
Pink Killarney.....	per 100, 12.00	Rhea Reid.....	per 100, 12.00
Prince de Bulgarie, ready May 1st.....per 100, \$12.00			

Our stock is all grafted on selected English Manetti.

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Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.

Cash with order.

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

Boston Ferns...

2½-in., \$3.00 per 100; \$30.00 per 1000.
WHITMANI

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rates.

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Peacock Dahlia Farms,
P.O.: Berlin, N. J. Williamstown Junc., N. J.

Rooted Carnation Cuttings

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000		Per 100	Per 1000
Beacon	\$2 50	\$20 00	R. P. Enchantress.....	2 00	17 50
White Enchantress.....	2 50	20 00	Enchantress.....	\$2 00	\$17 50

PERLE ROSE PLANTS

2½ inch, \$4.00 per 100; \$30.00 per 1000.

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DAHLIAS

The best New and Standard varieties.
Send for Wholesale Price List.

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HAMMONTON, N. J.

Shamrocks

True Irish, strong plants, from 1¼-inch pots, \$5.00 per 100, \$45.00 per 1000; 1-inch pots with saucers, \$5.00 per 100, \$45.00 per 1000.

Ferns for Dishes, 2¼-in., \$3.50 per 100; 30.00 per 1000
Asparagus Plumosus, 2¼-inch, \$3.50 per 100; \$30.00 per 1000. 3-in., \$6.00 per 100.
500 at 1000 rate. Cash with order.

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I have a market for
all pot plants you
can supply in good
quality and reason-
able price if you
Let Me Know Early

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Loeser's, Brooklyn, N. Y.
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Largest Retail Plant Dealer in the United States

Easter Plants

BABY RAMBLERS Fine Large Plants
in Bloom, 50cts. each.

SPIRAEA in Bloom, 40cts. each.

A Full Line of Blooming and **DECORA-
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Send for List.

Holton & Hunkel Co.
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Guaranteed true to name. Two to
three strong eyes.

	Per 100	Per 1000
4000 Chas. Henderson.....	\$1.75	\$15.00
1000 Capt. Drugeon, best yellow....		15.00
1000 Duke of Marlborough.....		18.00
1000 Egandale.....	2.00	18.00
400 Alsace.....	1.50	
500 Louisiana.....	2.00	
250 Buttercup.....	2.00	
300 Mephisto, the most beautiful dark crimson Canna.....	4.00	
300 Florence Vaughan.....	2.00	
200 New York.....	3.00	
200 Pennsylvania.....	1.50	
250 Richard Wallace.....	2.50	
200 Grand Chancellor Bulow.....	2.50	
100 Mme. Berat (Pink).....	1.50	

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ROOTED CUTTINGS

Prepare NOW for Spring. NOW is the time
to buy the cuttings. They are good now. If you
wait until late Spring you cannot get as good. Our
cuttings now are grand, and will make the price as
follows for a few weeks: **VERBENAS**, 60c per 100;
\$5.00 per 1000. **SALVIAS**, 80c per 100; \$7.00 per
1000. **COLEUS**, 70c per 100; \$6.00 per 1000.
GIANT DBL. ALYSSUM, 80c per 100. **AGERA-
TUMS**, 60c per 100; \$5.00 per 1000. **PETUNIAS**,
\$1.25 per 100; \$10.00 per 1000. **PELARGONIUMS**,
\$2.50 per 100; \$22.00 per 1000. **HELIOTROPE**,
80c per 100; \$7.00 per 1000. **DAISIES**, \$1.00 per 100;
\$8.00 per 1000. **FEVERFEW**, true little gem, (no
dog fennel) \$1.00 per 100; \$9.00 per 1000.
Express paid. Cash with order.

S. D. BRANT, Clay Center, Kansas

Ferns.

4-inch heavy stock, \$12.00 per 100.
Boston, Barrowsl and Elegantissima;
also 2 1/4-inch Boston, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio

You Can Be Independent on Five Acres of Land if You Grow Berries

With a hundred berry plants you can find health and enjoyment.
With five acres you can be independent; with twice that you can
become rich. High cost of living, health, enjoyment, recreation,
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Get My Invaluable Berry Book

I've studied living conditions for a good many years, while I produced
berries of all kinds. The results are summed up in the one book of its
kind published in America.

Here also is described, among many others, the Himalaya Berry, that
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PRICES OF HIMALAYA PLANTS:

6 months old plants, \$2.00 per 12; \$5.00 per 100 24 months old plants, \$1.00 each; \$10.00 per 12
12 months old plants, \$4.00 per 12; \$10.00 per 100 The 18 and 24 Months will fruit 1912.
18 months old plants, 75c each; \$6.00 per 12 Fifty per cent discount to the trade.

A. MITTING, Manager

BERRYDALE EXPERIMENT GARDENS,
Chicago Avenue, HOLLAND, MICHIGAN.



New Hardy Golden Vinca. Vinca Minor Aurea.

Golden variegated Myrtle or Periwinkle.

This is not a creamy yellow like V. Variegata
but a rich deep golden yellow, grand for shrub
bery borders, banks, window boxes, vases and
especially for cemetery work.

Awarded Certificate of Merit by the New
York Hort. Society; Paterson (N. J.) Horticul-
tural Society and Elberon (N. J.) Horticultural
Society.

Price, 3 in. pot plants, \$2.00 per doz.; \$15.00
per 100. Delivery in April.

WM. TRICKER, Arlington, N. J.

Water Lilies and Hardy Plants a Specialty

Budding Knife Free. See Page 495.

Leedle Roses

Big Values

Summer grown, winter rested, on own roots. These varieties in large blocks, choice; many other sorts in limited quantities. If you need anything different, write.

	TEAS		2 1/2-in.	4-in.
	Doz.	100	1000	100
Bougere	\$0.50	\$ 3	\$25	\$10
Bridesmaid	.50	3	25	10
Coquette de Lyon	.50	3	25	10
Duchesse de Brabant	.50	3	25	10
Etoile de Lyon	.50	3	27 1/2	10
Freiherr von Manschall	.60	4	35	12
Golden Gate	.50	3	27 1/2	10
Isabella Sprunt	.50	3	25	10
Ivory	.50	3	27 1/2	10
Mlle. Franzisca Krueger	.50	3	25	10
Maman Cochet (Pink)	.50	3	27 1/2	10
Marie Lambert	.50	3	25	10
Marie Louise	.50	3	25	10
Marie van Houtte	.50	3	25	10
Mrs. Ben R. Cant.	.50	3	25	10
Mrs. Dudley Cross	.60	4 1/2	40	12
Papa Gontier	.50	3	27 1/2	10
Safrano	.50	3	25	10
The Bride	.50	3	25	10
The Queen	.50	3	25	10
Uncle John	.50	3	27 1/2	12
White Bougere	.50	3	25	10
White Maman Cochet	.50	3 1/2	30	10
Wm. R. Smith	.50	3 1/2	30	10

BENGAL OR CHINA

Louis Philippe	.50	3	25	10
Queeo's Scarlet	.50	3	25	10

HYBRID TEAS

Antoine Verdier	.50	3	25	10
Bessie Brown	.50	3	27 1/2	10
Blumenschmidt	.50	3	27 1/2	10
Chateau des Clos Vougeot	1.25	10	...	25
Duchess of Wellington	1.25	10	...	25
Etoile de France	.50	3 1/2	30	10
Engene Boulet	2.00	15	...	35
Helen Goid (Balduin)	.50	3	27 1/2	10
Institutentur Sirdy	.50	3 1/2	30	10
Kaiserin Augusta Victoria	.50	3 1/2	30	10
La Detroit	.50	3	27 1/2	10
Lady Battersea	.50	3 1/2	30	10
La France (Pink)	.50	3	27 1/2	10
Mme. Abel Chatenay	.50	3	27 1/2	10
Mme. Angelique Veysset	.50	3	27 1/2	10
Mme. Jenny Guillemot	.50	3 1/2	30	10
Mme. Jules Grolez	.60	3 1/2	30	10
Mlle Helene Gambier	.50	3 1/2	30	10
Melody	1.25	10	...	30
Meteor	.50	3	27 1/2	10
Miss Kate Moulton	.60	4	35	12
Mrs. Aaron Ward	1.00	8	75	20
Mrs. A. R. Waddell	.60	4 1/2	40	15
Queen Beatrice	2.00	15	...	35
Rena Robbins	.60	4	35	12
Rhea Reid	.60	4	35	12
Souv. de Pres. Carnot	.60	4	35	12
Wellesley	.50	3 1/2	30	10
White Killarney	.85	6	50	15
White La France	.50	3	27 1/2	10

Bourbon

Burbank	.50	3	25	10
Mrs. Degraw	.50	3	27 1/2	10
Souv. de la Malmaison	.50	3	27 1/2	10

HYBRID POLYANTHA

Pink Soupert	.50	3	25	10
Yellow Soupert (Mosella)	.50	3	25	10

HYBRID RUGOSA

Conrad F. Meyer	.60	4	35	12
New Century	.60	4	35	12

MOSS ROSES

Henri Martin	.75	4 1/2	40	12
Mousesline	.75	4 1/2	40	12

HYBRID PERPETUALS

Best varieties in good assortment.

American Beauty	.85	6	50	15
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CLIMBING TEA

Reve d'Or (Cl. Safrano)	.50	3	25	10
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CLIMBING NOISETTES.

Lamarque	.50	3	25	10
Marechal Niel	.60	3 1/2	30	15
Mary Washington	.50	3	25	10
Reine Marie Henriette	.50	3	25	10
Solfatare	.50	3	25	10

CLIMBING BENGAL

Empress of China	.50	3	25	10
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CLIMBING HYBRID TEA

Climbing Killarney	.60	4 1/2	40	15
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CLIMBING HYBRID POLYANTHA

Climbing Clothilde Soupert	.50	3	25	10
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HYBRID NOISETTES

Climbing Paul Neyron	.50	3 1/2	30	10
Madame Wagram	.50	3 1/2	30	10

HARDY CLIMBERS AND RAMBLERS

New and standard sorts in abundance



STOCK ALWAYS NEEDED

Asparagus Plumosus, 2 1/2-in., \$3.00 per 100, \$25.00 per 1000.

Asparagus Sprengeri, 2 1/2-in., \$2.50 per 100, \$22.00 per 1000.

Pandanus Utilis, 8-in., \$10.00 per 100; 4-in., \$20.00 per 100.

Cocos Weddelliana, 2 1/2-in., \$10.00 per 100.

Anthericum Variegatum, 4 in., strong, \$3.00 per 100.

Rhododendrons, the finest stock of hardy varieties, in sizes 18 to 2 1/2 in., 8 to 12 buds, 75c each; 24 to 30 in. 12 to 16 buds, at \$1.00 each, 30 to 36 in. \$1.50 each.

Boxwood, Pyramidal, 30 in. high \$1.50 each, 36 in. high \$2.00 each, 42 in. high \$3.00 each.

Bush Shape Box, 12 in. high 30c each, \$25.00 per 100.

Azaleas Mollis, 12 to 15 in. high, 10 to 16 buds, \$25.00 per 100.

Kentia Belmoreana, 6 in. pots, 5 to 6 leaves, 24 in. high, \$1.00 each; 7 in. pots, 6 leaves, 24 to 26 in. high, \$1.50 each.

Kentia Forsteriana, 7 in. pots, 40 to 44 in. high, 5 to 6 leaves, \$2.50 each; 8 in. pots, 44 to 48 in. high, 5 to 6 leaves, \$3.50 each.

BEDDING STOCK

Heliotrope, Czar, Czarina, Jersey Beauty, etc., \$2.50 per 100.

Croton Aurea Maculata, 3-in. pot plants, \$8 per 100.

English Ivy, strong 4-in., 3 to 4 ft. of tops, \$12 per 100; 2-in. pots, \$3.50 per 100.

Violets, Hardy English or Russian, 2-in., \$5 per 100, \$45 per 1000.

Swainsona Alba, 2 1/2 in., \$4.00 per 100.

Violet Swanley White, \$3.00 per 100.

Geranium Mme. Salleroi, strong 2 1/2-2 1/4 inch, \$2.50 per 100.

Dahlias, whole roots, good cut flower sorts, our selection of varieties, \$5.00 per 100.

Cannas, Souv. de A. Crozy, Florence Vaughan, Mrs. Kate Gray, Gladiator, \$2.50 per 100; \$20.00 per 1000. Black Beauty, \$1.00 per 100; \$30.00 per 1000. Venus, (Grand Pink) \$5.00 per 100. Indiana, Orange colored, giant orchid flowered, \$7.00 per 100. Strong two and three eyes, fresh divisions. (See catalog No. 5 for complete list.)

No better proposition for Easter or Memorial Day.

THE STORRS & HARRISON CO., Painesville, O.

Hydrangeas—

6 in. 4 to 10 Heads, \$0.75, \$1.00, \$1.25 and \$1.50.

7 in. 6 to 12 Heads, 1.25, 1.50 and \$2.00.

8 in. 8 to 20 Heads, 1.50, 2.00, \$2.50 and up.

Spiraeas—5 Var, 35c, 50c and 75c.

Baby Ramblers—Fine, 6 in., 75c and \$1.00, 4 in., 35c and 50c.

—Pink and White, 4 in., 35c and 50c.

Lilies—Fine, just right, 4 to 10 Buds, 12 1/2c per Bud and Flower.

Azaleas—\$1.00, \$1.25 and \$1.50.

Tulips Asst.—5 in. 35c, 6 in. 50c.

Von Sion and Princes—5 in. 35c, 6 in. 50c.

Luminosa Begonias—Fine, 3 in. 10c, 5 in. 35c, 6 in. 50c.

Primroses Chinese and Obconica—3 in. 8c, 4 in. 12 1/2c.

Cinerarias—4 in. 15c, 5 in. 25c.

Deutzias—25c each.

FERNS Worth the Money.

	2 1/2 in.	3 in.	4 in.	5 in.	6 in.	7 in.	8 in.
Bostoniensis	\$ 4.00	\$ 7.50	\$12.50	\$25.00	\$40.00	\$60.00	\$100.00
Whitmanii	4.00	7.50	15.00	35.00	50.00	75.00	125.00
Amerpholii	5.00			40.00			
Pieronii	4.00	7.50	12.50	25.00	50.00		
Scottii			15.00				
Roosevelt	12.50		25.00	50.00	75.00		
Plumosus	3.50	7.50	15.00	25.00	50.00		
Sprengeri	2.50	6.00	15.00	25.00	40.00		
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AND DREER'S JAPANESE IRIS.

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- Smilax, 3-in. pots, \$4.00 per 100.
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Rose Pink Enchantress.....	3.00	25.00
Mrs. C. W. Ward.....	3.50	30.00
Dorothy Gordon.....	3.50	30.00
White Wonder.....	6.00	50.00

250 at 1000 rates. Cash or reference.

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- Other sorts ready in April. 4 houses of stock plants.

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See Page 495.

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- HYACINTHS**, all colors, 4 inch, 12½c; 5 inch, 5c; 6 inch, 35c; 7 in., 50c; 8 inch, 75c; 10 in., \$1.00.
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- GERANIUMS**, extra fine blooming plants.

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The Best Color Chart

For Florists, Seedmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

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Pot.	Leaves.	In. high.	Each	Doz.	tub.	Plants.	In. high.	Each	Doz.	tub.	Plants in tub.	In. high.	Each	
2½ in.	4	8 to 10	\$1 50	7-in.	4	36	\$2 00	9-in.	Several	5 ft	\$7 50
3 in.	5	12	.....	2 00	7-in.	4	36 to 40	.....	3 00	Pat.	Phoenix Roebeleni.		Each
4 in.		15	.....	\$0 35	9-in.	4	40 to 42	.....	4 00	5-in.	niceily characterized	.....	\$1 00
5 in.	6 to 7	18	.....	50	9-in.	4	42 to 48	.....	5 00	6 in.	18 to 20-in. spread	.....	1 50
6 in.	6 to 7	24	.....	1 00	9-in.	4	48 to 54	.....	6 00	Cedar			Each
6 in.		26	.....	1 25	12-in.	4	5 to 5½ ft	.....	12 50	tub.	High.	Spread.	Each
Ced'r tub.	L'vs.	In. high.	Each	Doz.	Cedar	Spread		Each		7-in.	18-in.	24-in	\$2 00
7-in.	6 to 7	34 to 36	.....	\$2 50	9-in.	4 feet	.....	\$3 00		Pot.	In. high.		10
7-in.	6 to 7	36 to 38	.....	3 00	9-in.	5 to 6 feet	.....	5 00		2½ in.	8 to 10	.....	\$10 00
9-in.	6 to 7	40 to 45	4 00	9-in.	6 feet	6 00						
9-in.	6 to 7	42 to 48	5 00										
9-in.	6 to 7	48 to 54	6 00										
9-in.		54	7 50										

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	Per 100	Per 1000
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A cerise pink sport of Killarney.

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	Dormant.	2 1/2-in. pots.		Dormant.	2 1/2-in. pots.
	Doz.	100	Doz.	Doz.	100
Alfred Colomb, bright red.....	\$2 00	\$14 00			
American Beauty, deep pink.....	2 00	15 00	\$1 25	\$8 00	
Baron de Bonstettin, dark red.....	2 00	14 00			
Baroness Rothschild, satiny pink.....	2 00	14 00			
Captain Christy, flesh white.....	2 00	15 00			
Caroline Testout, satin rose.....	2 00	15 00			
Clothilde Soupert, pearly white.....			60	4 00	
3-inch pot plants, doz., 85c; 100, \$6 00.					
Fisher Holmes, deep crimson.....	2 00	14 00			
Frau Karl Druschki, best white.....	2 00	15 00			
Gen. Jacqueminot, bright crimson.....	2 00	14 00			
Gen. Washington, crimson scarlet.....	2 00	14 00			
Gruss an Teplitz, scarlet crimson.....	2 00	15 00	60	4 00	
Hermosa, bright pink.....	2 00	15 00	60	4 00	
Hugh Dickson, brilliant crimson.....	2 50	18 00			
John Hopper, rosy crimson.....	2 00	14 00			
J. B. Clark, intense scarlet.....	2 00	15 00			
Kais. Aug. Victoria, white.....	2 50	18 00	75	5 00	
Killarney, choice pink.....	2 50	18 00	85	6 00	
Grafted, doz., \$2 00; 100, \$15 00.					
Killarney, Double Pink.....			2 50	12 00	
Grafted, doz., \$3 00; 100, \$20 00.					
Killarney, White.....	3 00	22 00	1 00	7 00	
Grafted, doz., \$2 00; 100, \$15 00.					
La France, bright satin pink.....	2 00	15 00			
Lady Ashdown, very pale rose.....	2 50	18 00			
Mabel Morrison, pure white.....	2 00	15 00			
Mme. Abel Chatenay, salmon pink.....	2 00	15 00			
Mme. Gabriel Luizet, satiny pink.....	2 00	14 00			
Mme. Jules Grolez, cherry red.....			75	5 00	

Magna Charta, deep pink.....	\$2 00	\$14 00			
Maman Cochet, pink or white.....			\$ 75	\$5 00	
Marshall P. Wilder, bright red.....	2 00	15 00			
Moss, double pink and white.....	2 00	15 00			
Mrs. Aaron Ward, golden orange.....			1 50	10 00	
Grafted, doz., \$3 00; 100, \$20 00.					
Mrs. John Laing, bright pink.....	2 00	14 00			
Mrs. R. G. S. Crawford, flesh pink.....	2 00	14 00			
My Maryland, salmon pink. Grafted					
stock only, doz., \$2 00; 100, \$15 00.					
Paul Neyron, deep rose.....	2 00	14 00			
Persian Yellow, yellow.....	2 00	15 00			
Prince Camille de Rohan, crimson.....	2 00	14 00			
Prince de Bulgarie, salmon pink.....			1 00	7 50	
Grafted, doz., \$2 00; 100, \$15 00.					
Soleil d' Or, yellow.....	2 50	18 00			
Souv. de Pres. Carnot, flush white.....			85	6 00	
Ulrich Brunner, cherry crimson.....	2 00	14 00			
W. R. Smith, creamy white.....			85	6 00	

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	Each	Doz.	100	1000
Crimson Baby, 2 year.....	\$0 20	\$2 00	\$14 00	\$135 00
3 year.....	25	2 50	16 00	150 00
Jessie, "the best of all," 2 year, selected.....	35	3 50	25 00	240 00
3 year, selected.....	45	4 50	30 00	
Orleans, 2 year, bushy.....	35	3 50	25 00	
Phyllis, 2 year.....	25	2 00	16 00	155 00

CLIMBING ROSES

	Each	Doz.	100
American Pillar, single pink.....	\$0 30	\$3 00	\$22 00
Baltimore Belle, pale blush.....	20	2 00	12 00
Crimson Rambler, 2 year select.....	20	2 00	15 00
3 year select.....	25	2 50	18 00
Dorothy Perkins, shell pink, 2 year select.....	20	2 00	15 00
Flower of Fairfield, everblooming Crimson Rambler.....	25	2 50	18 00

	Each	Doz.	100
Hiawatha, single crimson.....	\$0 30	\$3 00	\$20 00
Lady Gay, beautiful cherry pink.....	30	3 00	20 00
Prairie Queen, red changing to pink.....	20	2 00	14 00
Tausendschon, single bright pink.....	25	2 50	18 00
Veilchenblau, violet blue.....	20	2 00	16 00
White Dorothy Perkins, pure white.....	30	3 00	20 00

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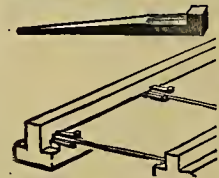
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Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

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Cannas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Cannas. For varieties and prices see advertisement on front cover page. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Strong, Well Rotted Cuttings.		
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Glوريوس	6.00	50.00
Pink Delight	6.00	50.00
Bonfire	6.00	50.00
Christmas Cheer	6.00	50.00
Princess Charming	6.00	50.00
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White Perfection	3.00	25.00
Victory	3.00	25.00
Scarlet Glow	3.00	25.00
Afterglow	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Dorothy Gordon	3.00	25.00
Enchantress	3.00	25.00
May Day, very fine	3.00	25.00

CHICAGO CARNATION CO.
A. T. Pyfer, Mgr., 30 E. Randolph St., Chicago.

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	Per 100	Per 1000
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Winsor	2.00	15.00
White Lawson	2.00	15.00
Pink Lawson	2.00	15.00
Washington	2.00	15.00
Enchantress	2.00	15.00

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Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

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Yellow.	R. C. Per 100.	Per 1,000.
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Golden Glow	2.00	15.00
Holiday	2.00	15.00
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Pink.	R. C. Per 100.	Per 1,000.
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Clematis. W. & T. Smith Co., Geneva, N. Y.

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Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaftell, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, rooted cuttings, six standard varieties, 75c per 100; \$6 per 1,000. Stuppy Floral Co., St. Joseph, Mo.

Coleus, Golden Bedder, Verschaftell and standards, \$6 per 1,000. Giant leaved, \$2.50 per 100. A. M. Herr, Lancaster, Pa.

Coleus, 2-in., Pfister, red and yellow Beckwith's Gem, \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago.

Coleus. A. N. Pierson, Inc., Cromwell, Conn.

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Cyperus, 3-in., 75c per doz; \$5 per 100; 4-in., \$1.50 per doz; \$10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Dahlias. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmons, Newton, N. J.

EASTER PLANTS.

Easter plants, pot lilies, 12 1/2c per bud. Anales, \$1.50 to \$5 each. Hydrangea, 5 to 20 blooms, \$1.50 to \$5. Spiraea, Gladstone and Alexandra, 50c for 6-in.; 75c for 7-in.; \$1.25 for 8-in. Crimson Ramblers, \$1 to \$5. Lady Gay and Dorothy Perkins, \$1 to \$3. Tausend-schon, \$1.50 to \$3. Am. Beauty, 50c to 75c each. Phila. Rambler, 75c to \$3. Baby Ramblers, 75c to \$1. Hyacinths, 4-in., 12 1/2c; 5-in., 25c; 6-in., 35c; 7-in., 50c; 8-in., 75c; 10-in., \$1. Daffodils, 6-in., 35c; 7-in., 50c; 8-in., 75c; 10-in., \$1. Tulips, 6-in. to 10-in. Boston ferns, Whitman, Asparagus and table ferns, araucarias, rubber plants, kentias and other palms. Elitch-Long Greenhouses, Denver, Colo.

Easter Lilies, 10c per bud or bloom. Smith & Gannett, Geneva, N. Y.

Soft wooded plants. Write us for complete spring lists. Geo. A. Kuhl, Pekin, Ill.

Lilies, 2, 3, 4, 5, 6, 8 buds. Order now. We can ship so they will be right for Easter, 12 1/2c per bud. Geo. A. Kuhl, Pekin, Ill.

FERNS.

Ferns, Boston, 2-in., \$3 per 100; \$25 per 1,000; 3-in., \$1 per doz.; \$8 per 100; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz. Boston fern baskets, \$1 to \$2 each. Assorted ferns for dishes, 2-in., 40c per doz.; \$3 per 100; \$25 per 1,000. Cibotium, 7-in., \$2.50 each; \$30 per doz.; 8-in., \$3 each, \$36 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns, Amerpohl, Barrowsii, Scotti, Elegantiissima, Boston, Jackson, Sword and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dingee & Coard Co., West Grove, Pa.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000; 2-in., 8 varieties, \$3 per 100; \$25 per 1,000. Cash, please. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$30 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, 4-in., \$12 per 100. Boston, Barrowsi, Elegantiissima. Also 2 1/2-in. Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmons, Newton, N. J.

Ferns, John Scott, Rutland Rd. and D. 45th St., Brooklyn, N. Y.

Ferna. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, fine, double flowers, the best of all, \$1 per 100; \$9 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

FICUS.

Ficus elastica, 6-in., 50c each; \$6 per doz. Ficus repens, 2 1/2-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GERANIUMS.

GERANIUMS. Extra strong 2-in. stock for immediate or later delivery. S. A. Nutt, Jean Vland, Ricard, Poltevine, Sam Sloan, Perillon, single and double White, etc., etc., \$3 per 100; \$25 per 1,000. Cash or reference. Ellitch-Long Greenhouses, Denver, Colo.

ROOTED GERANIUM CUTTINGS. Nutt, Grant, Poltevine, Buckner, for delivery March 15th to 30th, \$1.50 per 100; \$14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Femal Geraniums, double bright sage color, clusters measure 3 to 4 ins., 2½-in., \$2.75 per 100; 3½-in., \$5 per 100. Liana Femal, Middletown, Pa.

Geraniums, Nutt, \$11.50 per 1,000. Ricard and Poltevine, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums—For varieties and prices see advertisement on front cover of this issue. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poltevine, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Mmc. Salterol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 23rd St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens. Henry M. Robinson & Co., 46 W. 26th St., New York.

HARDY PLANTS.**HARDY PLANTS.**

Hardy Native Ferns and Plants. Catalog for asking. L. E. Williams, Exeter, N. H.

Herbaceous plants. Bobbink & Atkins, Ruthersford, N. J.

HOLLYHOCKS.

HOLLYHOCKS.—A fancy mixture of the Allegheny strain. Pure, clean seed, \$4 per lb. Why not grow your own plants? W. W. Wilmore, Box 382, Denver, Colo.

HOLLYHOCK SEED. Fancy mixed, single and double varieties. Write for our low price, stating quantity you can use. Ellitch-Long Greenhouses, Denver, Colo.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTOPES.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

Heliotrope, Albert De Laux, Chieftain, Mme. Brant, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 6-7-in., 3 to 4 flowering stems, \$5 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea Otaksa, 2 to 7 heads, 6-in., 35c to \$1.50 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Parlor Ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, German, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English Ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

English Ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantana, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantana, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, M. LeGrave, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILY OF THE VALLEY.**To Import.**

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the Valley, Chicago Market Brand, \$2 per 100; \$17 per 1,000. Florists' Money Maker, \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3038-42 W. Madison St., Chicago.

LOBELIAS.

Lobelias Kathleen Mallard, rooted cuttings, \$6 per 1,000; 2-in., \$3 per 100; \$25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

900 White Snowberry, 2½ to 3½ feet, \$5 per 100. 1,500 Golden Willow, 3 to 4 feet, \$4 per 100. 800 Buckhorn, 4 to 5 feet, \$5 per 100. Spirea Van Houttei, 2½ to 3½ feet, \$5 per 100. HENRY LAKE SONS CO., Nurserymen. Black River Falls, Wis.

NURSERY STOCK.

Hardy Native Ornamental Stock. Catalog for asking. L. E. Williams, Exeter, N. H.

Nursery stock, trees, shrubs and perennials. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Japan Maple, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Nursery stock, Ampelopsis Veitchii, Clematis paniculata, privet, shrubs, vines, bnbs, etc. Benj. Connell, Merchantville, N. J.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, ornamental trees and shrubbery. The Wm. H. Moon Co., Morrisville, Pa.

Evergreens. D. Hill Nursery Co., Box 404, Dundee, Ill.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Relgate, England.

Orchids, Cattleya and Laëlia anceps. G. L. Freeman, Wellfleet, Mass.

Orchid pent. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$1.50 per doz. Veitchii, 4-in., 50c each; \$5.50 per doz.; 5½-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

KENTIA BELMOREANA, 2½-in. pots, 10-15 inches tall, four or more characterized leaves, \$9 per 100 and worth the money. Jackson & Perkins Co., Newark, New York.

Palms, Phoenix Canariensis and Areca Sapida. For prices see advertisement elsewhere in this issue. The Kentia Nurseries, Santa Barbara, Calif.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

SOMETHING NEW, something different from our gardens—the PANSY WONDERLAND. New color plate catalogue ready March 1st. Tells all about "MASTODONS," the premier mixed strain of pansies. Reset plants, 100, \$2.50; 1,000, \$22.50 prepaid; seed, 1-12 oz., \$1; oz., \$9. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gillardsias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, transep. seedlings, \$5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlins, Olean, N. Y.

PEONIES.

PEONIES, 2 to 5-eye divisions, ready for immediate shipment, and cheap at \$5 per 100. Cash. Colors: Jussler, yellow; Feativa alba, white; Duchesa de Orleans, pink. Thomas J. Oberlin, Sinking Spring, Pennsylvania.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, dbl. mixed and white, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIMULAS.

Primroses, Chinese, 5½-in., \$2.50 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia.

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dinger & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, Wayne Co., New York.

Rhododendrons, 18 to 24 ins., 8 to 12 buds, 75c each; 24 to 30 ins., 12 to 16 buds, \$1 each; 30 to 36 ins., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 ins. named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

Rhododendrons, 75c, \$1 and \$1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROOTED CUTTINGS.

Rooted cuttings, verbenas, 60c per 100; \$5 per 1,000. Salvias, 80c per 100; \$7 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Giant dbl. Alyssum, 80c per 100. Ageratum, 60c per 100; \$5 per 1,000. Petunias, \$1.25 per 100; \$10 per 1,000. Pelargoniums, \$2.50 per 100; \$22 per 1,000. Heliotrope, 80c per 100; \$7 per 1,000. Daisies, \$1 per 100; \$8 per 1,000. Feverfew, \$1 per 100; \$9 per 1,000. S. D. Brant, Clay Center, Kans.

ROSES.

ROSE MRS. TAFT (Antoine Revoire). We are headquarters for this grand rose. Large stock for immediate shipment. We quote own root, strong, 3-in. pots, \$10 per 100; \$85 per 1,000. Also offer MELODY, THE KILLARNEYS, RICHMOND, MY MARYLAND. Write for special prices. WEILAND & RISCH, 154 N. Wabash Ave., Chicago.

GRAFTED ROSE PLANTS. Killarney, White Killarney and Richmond, choicest stock from flowering wood, grafted on selected English Manetti. Order must come quick to insure delivery. Cash or reference. Ellitch-Long Greenhouses, Denver, Colo.



My Grandfather used Mr. Hammond's Slug Shot for Potato Bugs. So does my father use it. My Mother puts Slug Shot on roses.



"HAMMOND'S SLUG SHOT" USED FROM OCEAN TO OCEAN

A light, composite, fine powder, easily distributed either by duster, bellows, or in water by spraying. Thoroughly reliable in killing Currant Worms, Potato Bugs, Cabbage Worms, Lice, Slugs, Sow Bugs, etc., and it is also strongly impregnated with fungicides. Put up in Popular Packages at Popular Prices. Sold by Seed Dealers and Merchants.

HAMMOND'S SLUG SHOT WORKS, FISHKILL-ON-HUDSON, N. Y.

ROSES.—Fine healthy stock. White and Pink Cochet, Souv. de P. Notting, Apricot, Clo. Soupert, Gruss an Teplitz, Sunrise, Frans Decau, Wellesley, Mrs. B. R. Cant and Climbing Soupert, 2-in., \$3 per 100. Wagner Park Conservatories, Sidney, O.

Kaiserin roses, 2-year-old, field-grown, in 4-in. pots, ready for bench, \$15 per 100. Mrs. Joseph Bock, Burlington, Iowa.

	Per 100	Per 1,000
American Beauty Rose Plants, 2½-in. pots	\$7.00	\$60.00
American Beauty bench plants	7.00	60.00
Richmond Rose bench plants	6.00	50.00

Satisfaction Guaranteed—Ready Now.
GEORGE REINBERG,
162 N. Wabash Ave. Chicago.

ROSES. Own-root. My Maryland, Pink Killarney, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2¼-in. pots, \$5 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthas, Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

ROSES. Send for New Trade List just out. THE CONARD & JONES CO., West Grove, Pa.

Roses. Eastern Nurseries, 1090 Centre St., Jamaica Plain, Mass.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 tr.	Pkts.
Begonia Bedding Queen, finest pink	\$2.50	\$0.50
" Gracillis lumbosa, finest red	2.50	.50
" Triumph, finest white	2.50	.50

O. V. Zangen, Hoboken, N. J.

ORIENTAL POPPY SEED. Five pounds or less. Write for our low price, stating quantity that you can use. Elich-Long Greenhouses, Denver, Colo.

Seeds, sweet peas. Burnett Bros., 72 Cortlandt St., New York.

Choice, unsprouted onion sets, yellow, \$1.70; white, \$2 per 32 lbs. Bushel sacks included. Sluis Seed Store, 544 W. 63rd st., Chicago.

Seeds, chrysanthemum popples new and Shirley, 1 pkt. each 50c. M. J. Schaff, Danville, N. Y.

SHAMROCKS.

Shamrocks, true Irish, strong plants, 1½ and 1-in. pots, with snucers, \$5 per 100; \$45 per 1,000. Frank Oechsle, 4911 Quincy St., Chicago.

SMILAX.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

STRAWBERRY PLANTS.

Fall Bearing Strawberry Plants, best varieties. Catalogue free. Basil Perry, Cool Spring, Del.

VERBENAS.

VERBENAS.—Our selection of rooted cuttings, 75c per 100; \$6 per 1,000. Plants, 2¼-in., \$2.50 per 100; \$20 per 1,000. Purchaser's Selection, rooted cuttings, 90c per 100; \$8 per 1,000. Plants, \$3 per 100; \$25 per 1,000. NEW VARIETIES, cuttings, \$1 per 100; plants, \$4 per 100. J. L. DILLON, Bloomsburg, Pa.

Verbenas, 5 colors, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VINCAS.

Vinca variegated, exceptional strong pot-grown, we have too many, so will sacrifice to reduce stock; 2¼-in., 2c; 3-in., 5c; 5-in., 10c; the 5-in. are so very strong they would stand division of roots well; they are just right for shipping now; very heavy rooted with medium vines. Cash. The Thos. Chapman Floral Co., 801 West Sixth Ave., Denver, Colo.

Vincas, 2-in., \$2.50 per 100; 3-in., \$5; 4-in., \$2 per doz.; \$15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca variegata, 2¼-in. pot plants, \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vincas, rooted cuttings, very strong, \$1 per 100; \$8 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

Vinca, new golden (minor aurea), 3-in., \$2 per doz.; \$15 per 100. Wm. Tricker, Arlington, N. J.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

INSECTICIDES.

Lemon Oil Co., Standard insecticide, ¼ pint, 25c; pint, 40c; quart, 75c; ½ gal., \$1.25; gal., \$2; 5-gal. can, \$9; 10-gal. can, \$17.50. Lemon Oil Co., Dept. M, 420 W. Lexington St., Baltimore, Md.

Spray with K's "Fermentizo" best insecticide. Ask for K's Sprayer. J. Kopsay, South Bend, Ind.

MATS.

Machine-made STRAW MATS for hotbeds and cold frames are a success. A Long Island florist last year bought 125, this year 100. An Iowa grower last year bought 25, this year the same number. An Ohio cyclamen grower bought 25 last year, this year 50. A New York celery grower last year bought 75, this year 100. Six feet by six and one-half feet only, \$12 per dozen. Send for circular. We are making prompt shipments. WATTS BROS., Kerrmoor, Pa.

The cheapest and most practical Hotbed and Cold Frame Mat on the market. Send for circular and price list. Watts Bros., Kerrmoor, Pa.

Straw (rye) Mats, 3 ft. by 6 ft., each, \$1.25; dozen, \$14; 6 ft. by 6 ft., each, \$2.25; dozen, \$25. Vaughan's Seed Store, Chicago.

MISCELLANEOUS.

CYACINE. The Natural Flower Coloring, yellow, blue, orange, pink, green or American Beauty. 20c per qt. Sent to you by mail. C. R. Cranston, 148 Orchard St., Auburn, R. I.

Ribbons and Chiffons. Wertheimer Bros., 565 Broadway, New York.

Hammond's Slug Shot. Hammond's Slug Shot Works, Fishkill-on-Hudson, N. Y.

Dreer's Peerless Glazing Points

For Greenhouses

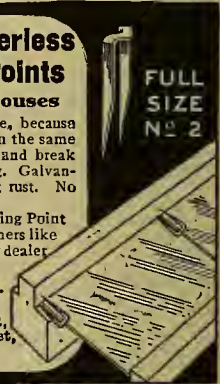
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER, 714 Chestnut Street, Philadelphia.

FULL SIZE No. 2



Mention the American Florist when writing

SIEBERT'S ZINC

Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ¾ and ½, 40c per lb., by mail 10c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert. Baum & Beatty Sts., Pittsburg.

Mention the American Florist when writing

Sunlight Double Glass Sash for hotbeds and cold frames. The Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Baskets, see advertisement elsewhere in this issue. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

WYANDOTTE WIRE WORKS is the largest in the west. Manufacturers of Wire Designs and Hanging Baskets, etc., for the florists. THE WYANDOTTE WIRE WORKS, 700-702 Terry St., Kansas City, Kans.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

POTS, PANS, ETC.

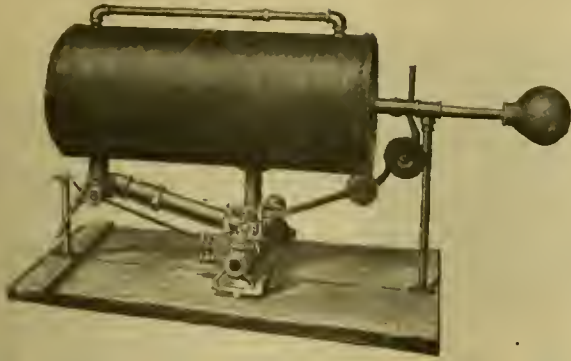
The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.



12 YEARS AGO

We Installed

— two “Morehead Traps” of type shown above in the greenhouse of John F. Horn Bros., Allentown, Pa. This machine has recently been replaced by larger traps of the “Morehead” type shown below—

Read What They Say

“In regards to the Morehead Steam Traps, the two old Steam Traps here were in use 12 years and did the work until we put up too many houses and then we had to get two No. 5, and these are large enough now for the entire place, which is 75,000 feet of glass. They give us no trouble here at all; pump all the water very easy and require no attention whatever. Work on all kinds of steam pressures, high or low. We have our boilers on floor level and have what you may call the **Double Trap System**. They deliver the water hot and quickly. Also feed the boilers with the city water when we need water by just letting it simmer in the receiver. We only turn off city water when we shut down steam for the day, so we can always hold the water line in our boilers steady by just letting the cold water valve so and the city water mixes with the condensed water and never helps to run the steam down on the boilers. We consider the Traps **far ahead of the pump**, as the pump is too slow and requires packing and also oil. **Traps for us every time and Morehead at that.** The old Traps would have lasted a lifetime, as they did not show any wear in the 12 years they were in use here.”

WRITE FOR A TRIAL TRAP

Morehead Mfg. Co.

Dept. “N”

DETROIT, MICH.

Stocks carried in—

New York
Philadelphia
Chicago
San Francisco
Los Angeles

Wichita, Kan.
Memphis, Tenn.
New Orleans, La.
Birmingham, Ala.
Chatham, Ontario



Greenhouse Material

Louisiana Cypress

Washington Red Cedar



Hotbed Sash

Have You Seen Our Best?

Once Tried = Always Used

PAYING HOUSES

ARE after all what you are looking for. There is little satisfaction in the fact that you are trying out some new schemes when the returns in hard cash do not justify the outlay. OUR HOUSES ARE PAYING HOUSES. Besides they are modern, convenient and lasting. The owners of the above range, which was built as per our plans and with our material, increased their glass area within a few years to five times the original size, and there are others just like them.

WRITE US FOR SKETCHES AND ESTIMATE

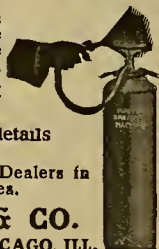
A. DIETSCH COMPANY

2642 Sheffield Avenue : : CHICAGO, ILLINOIS

The Mastin Automatic White-wash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.



Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
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THE STANDARD

VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is using a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

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Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

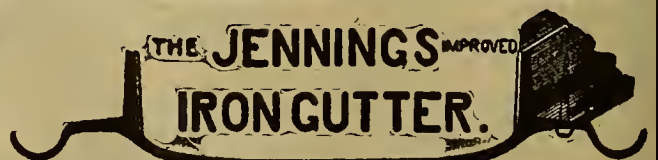
WHOLESALE GLASS AND PAINTS,

Long Distance Phone
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651-659 West Washington Boulevard, Chicago
Near Des Plaines St.,

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Use our patent
Iron Bench
Fittings and
Roof Supports



IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

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VENTILATING
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SAVED

A Carload of Coal Over Other Winters

This is what a prominent vegetable grower of
Niles Center, Ill., has to say

Niles Center, Ill.

March 7, 1912.

Dear Sir:-

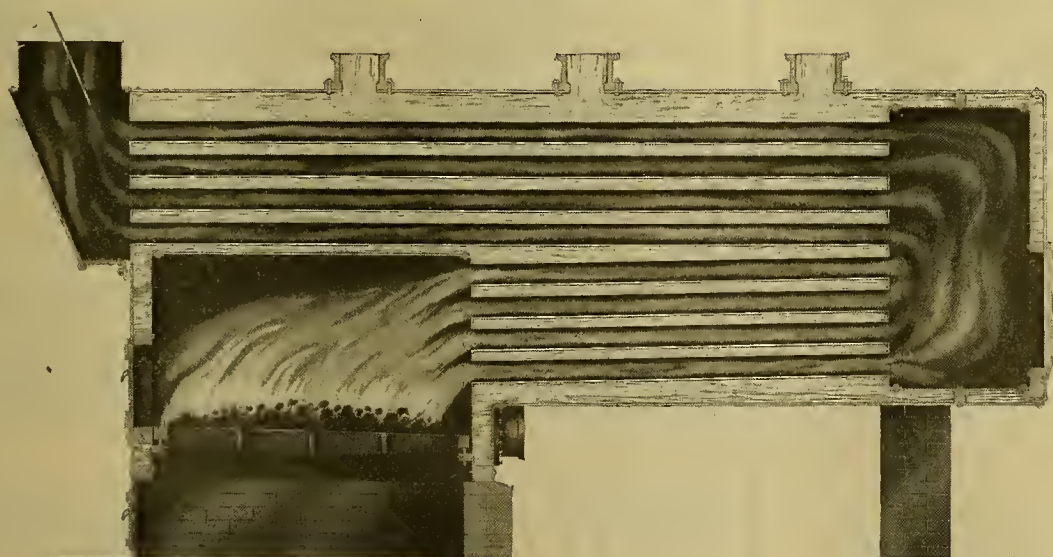
After using your #4 boiler the past severe winter, I would like to let you know that I am very much satisfied with it. It gave better satisfaction than the two other boilers we had in its place. I could keep my hot house plant about 4 degrees warmer than any winter that I have been in the business. Another thing I would like to mention, it is a great coal saver. This cold winter I will save about one carload of coal, compared to other winters. And thanking you for your prompt attention,

I remain,

Yours truly,

Nickolas Becker.

The "Superior" Return Flue Boiler the Best for Greenhouse Heating



Send for Catalogue and full Particulars

Superior Machine & Boiler Works

846-848 West Superior Street, Chicago, Ill.



Don't Be a Barnacle Be a Pusher Not a Clinger

Barnacles cling to a ship's bottom—reduces its speed—have to be scraped off.

A Pusher helps things along—increases speed—is always wanted.

Some growers that you and I know are barnacles because they cling fast to their old-time way of growing and still keep on putting their money into old-time houses. Such men are sure-enough barnacles. They hold back the speed of their own ship of fortune. Some day competition is going to scrape them off. Then what?

They will scratch their heads and begin to listen. But when that time comes, Mr. Pusher will have the running start with his Hitchings up-to-date, repair-free Iron Frame houses and modern ways of doing business.

Years lost—money lost—and a long hard fight ahead for the barnacle man.

Keep the following fact right on the bottom shelf in your mind, where you can see it every day:

Top notch stock is always in demand.

"It's 'the poor' and 'mediums' that glut the market. Top notch stock can sometimes be grown in wooden houses—but it can always be grown in Hitchings Iron Frame houses.

Send for catalog.

Hitchings & Co.

Elizabeth, N. J.

NEW YORK OFFICE:
1170 Broadway.

Sash That Last

Single or Double Light

Exactly that—they last.

Last, first, because the best of materials is put into them.

Second—the joints are our special blind mortised grip lock kind that the more you twist the sash the tighter the joint gets.

Third—All joints are thoroughly white leaded and barbed steel dowel pins used.

Fourth—A round steel rod braces the glazing bars, ties the sides together and generally stiffens the entire sash.

Sash we made twenty years ago are in use today. Those we make now are a decided improvement. So it's hard to say how long they will last if kept painted.

Order, say five, as a tryout. If not entirely satisfactory in every way, we don't want you to keep them. We will send your money back and pay freight both ways. That's a pretty strong kind of a guarantee—almost as strong as the sash in fact.



Unglazed and unpainted, \$1.04½

Special price on lots of 50 and over

Send for price on our Double Light Sash.

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SALES OFFICES:

New York
St. James Building
Boston
Tremont Building

Philadelphia
Franklin Bank Building
Chicago
Rookery Building

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

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We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices.

Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.

Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts.,
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PECKY CYPRESS

1 inch and 2 inches thick.

Random or Specified Widths

10 to 16 feet long.

Write Us For Prices.

**Williamson-Kuny Mill &
Lumber Company,**

Mound City - - - - Illinois.



MANUFACTURERS OF

Fruit Baskets

—AND—

Pansy Baskets

ALSO Veneer Planting Pots,

which are much stronger, better and cheaper than pasteboard pots.

Get our price before ordering elsewhere.

WEBSTER BASKET CO.,
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Richardson Greenhouse Boilers

HOT WATER AND STEAM

Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities

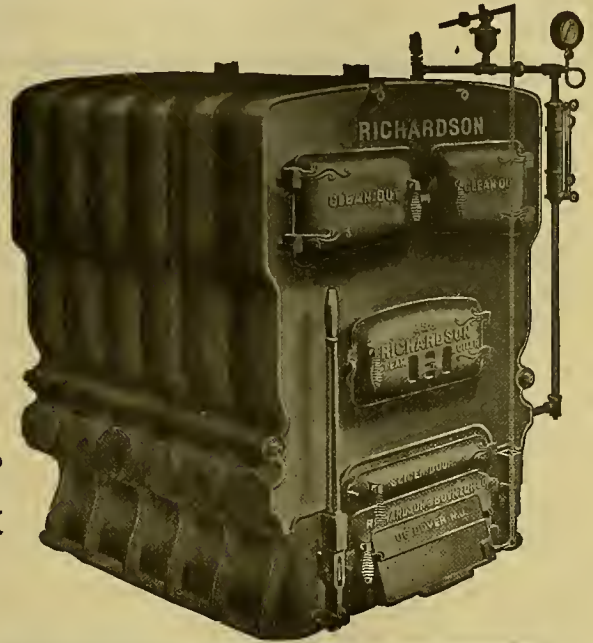


Guaranteed Ratings

Economy

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Send for
Catalogue
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Established 1837.

Richardson & Boynton Co.

MANUFACTURERS,

31 West 31st St., NEW YORK

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CHICAGO.

51 Portland St.,
BOSTON.

1107 Arch St., PHILADELPHIA.

FLORISTS' Refrigerators!

DOES your rapidly increasing business require an attractive ice box? If so write us, we are manufacturers and can quote you on Ice-Boxes of every description.

Buchbinder Bros.

Long Distance Phone, Monroe 5616.

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Factories:

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Early tomatoes bring big prices

Get your plants out early

With Sunlight Double

Glass Sash you can have your plants and vegetables weeks ahead of the season

It's the 5/8 inch air space between the two layers of glass that enables you to get earlier - sturdier plants.

There may be a hard frost outside, but no cold will penetrate the 5/8 inch layer of enclosed air and your plants will have all the warmth and light that they need. The result is a quicker, sturdier growth, and you get the high prices of the early market.

Sunlight Double Glass Sash double your profits

They save you the expense—the labor—the worry of having to cover and uncover your sash with heavy covers of boards and mats. You can attend to twice

as many Sunlight Sash as you can ordinary sash. It is good business to have them.

Write for these two books today.



for Hot-beds and Cold-frames

You cannot afford to miss seeing them. One is a book by Prof. Massey, an authority on hot bed and cold frame gardening and the other is our free catalog.

They tell you how much more profitable you can make your gardening, and give some useful, instructive information on the care of beds. Send in your name and address, we shall send you our free catalog—for 4c in stamps we shall send you both books. Write today.



The Sunlight Double Glass Sash Co.,

934 East Broadway, Louisville, Ky.

Tobacco Paper "Nico-Fume" **LIQUID**
 IS THE **STRONGEST**
BEST PACKED
EASIEST APPLIED

Furnishes the Most Nicotine for the Money!

OVER 40% NICOTINE
 By far the **CHEAPEST**
JUST NOTE PRICES

24 sheets.....\$ 0.75	Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.	Pint.....\$ 1.80
144 sheets..... 3.50		½ Gallon..... 5.50
288 sheets..... 6.50		Gallon..... 10.50
1728 sheets..... 35.10		5 Gallons..... 47.25

Aphine
The Insecticide that kills plant Lice, of every species.

Grand Rapids, Mich., February 6, '12.
 THE APHINE MANUFACTURING CO.,
 Madison, N. J.:

Gentlemen: In reply to your letter of January 27th, will say that we have been using FUNGINE on lettuce for dry wilt, on roses for mildew, also on growing tomato plants. We are very much pleased with the success that we have had with it.

We use the APHINE for lice on lettuce, instead of _____ (a nicotine preparation) and other mixtures. We also find this to be very successful.

Kindly advise us if you put this up in barrel lots. If so, give us prices, as we will be using more and more of this FUNGINE as the season advances.

We will be glad to refer any of the Grand Rapids growers to these products.

Yours very truly,
 GRAND RAPIDS GREENHOUSE CO.

FUNGINE
For Sale by Seedsmen.
 Manufactured by
Aphine Manufacturing Company
MADISON N. J.

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LEMON OIL CO'S
STANDARD'S
 SOLUBLE IN WATER
INSECTICIDE
 NO ODOR NO POISON

Guaranteed under the Insecticide Act, 1910. Serial No. 321.

If you want an insecticide to destroy insects on plants, Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, etc., we have it. Our insecticide destroys these pests, at the same time leaves no disagreeable odor.

Poisonless—Is harmless to user and plant. Recommended and used by leading seedsmen and florists throughout the country.

A favorite in chicken houses, and for killing insects in the homes. An excellent wash for dogs and other animals. It relieves mange.

½ Pint....25c; Pint....40c; Quart....75c;
 ½ Gallon...\$1.25; Gallon...\$2.00;
 5 Gallon Can, \$9.00; 10 Gallon Can, \$17.50.
 Dilute with water 30 to 50 parts.

Manufactured by
Lemon Oil Company
 Dept. M, 420 W. Lexington St., Baltimore, Md.
 Directions on every package.

Greenhouse Constuction
 BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. **PRICE, \$ 1.50**

Greenhouse Management
 By the same author. Covers the subject completely. 382 pages. **PRICE, \$1.50.**

AMERICAN FLORIT CO., 440 S. Dearborn St. **Chicago**

Mention the American Florist when writing

NIKOTEEN The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. **Full pint bottles, \$1.50.**

APHIS PUNK Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. **ALL SEEDSMEN.**

Prepared by **THE NICOTINE MFG. CO.,** St. Louis, Mo

Mention the American Florist when writing

UNITED FERTILIZER COMPANY
 (INC.)
 143 N. Wabash Avenue, CHICAGO, U. S. A.

Sole Owners of Patents and Copyrights and Manufacturers of D. D. Johnson's Celebrated
EVERGREEN BRAND Flower and Lawn FERTILIZER

Mention the American Florist when writing

green flies and black ones too
 are easy to kill with
The Fumigating Kind Tobacco Powder
 \$3.00 per bag 100 lbs.
 Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOFFHOFF CO., MOUNT VERNON, N. Y.

THE BEST Bug Killer and Bloom Saver

NICOTICIDE BUG KILLER

For **PROOF**
 Write to
P. R. PALETHORPE COMPANY,
 Owensboro, Ky

Mention the American Florist when writing

Budding Knife Free. See Page 495.

WIZARD BRAND

TRADE MARK

At most up-to-date places, and the mulching or dressing is now done with pulverized manures, which is much cleaner and easier to apply, quicker of action and more directly under control, not taking into consideration that very important point of being able to keep the soil open to the air. Pulverized cattle and sheep manure as advertised in THE AMERICAN FLORIST have been tried by us and we have found them both good, but we use the sheep manure more often than the cattle and back it up with an occasional dressing of Scotch soot, our soil being heavily charged with horse manure and rock phosphate from the beginning.

Those who prefer using the light

PURE SAFE
RELIABLE
UNIFORM
MANURE



The above from the February 24th issue of The American Florist is a strong endorsement.

Be Sure You Get WIZARD BRAND When You PLACE YOUR ORDER.

The Pulverized Manure Co.,

32 Union Stock Yards - - - CHICAGO.

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PRINTERY Close Prices on all Kinds of Printing.
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1000 Letter Heads..... } \$3.50
1000 Envelopes..... }

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Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by **W. J. COWEE, Berlin, N. Y.**
Sample free. For sale by dealers.

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES.

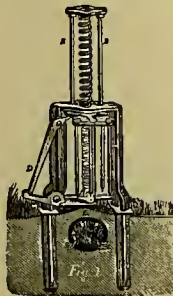
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BURNED CLAY
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O

SPRING WEATHER AND MOLES ARE AT HAND. One brings gladness, the other brings annoyance. Destroy the latter by using

Olmsted's Improved Reliable Mole Trap

NO CHEAP TRAP SO GOOD. NO GOOD TRAP SO CHEAP.



The invention consists of the frame A, constructed with two crossbars, in which are holes to guide the needle bars B B. At the lower end of the needle bars is attached a plate to which eight needles are made fast, three on each side of the plate and two in the center.

Springs are furnished to operate the trap. The springs can be readily attached and detached.

Upon each side of the frame at C C projections are made which serve as stops or guides to indicate when the trap is pushed into the ground the right distance to insure the catching of the mole, and also to serve as a support for the trap. This is a very important feature in mole traps, for it obviates all guess-work in setting it.

To the frame is attached the lever D and trigger E, both made to work loosely on pivots.

This trap is constructed entirely of steel and iron. Each trap is packed in a strong paper box, 1 dozen in a case. (See that the name L. H. OLMSTED is on each trap.)

"Ground Moles; Their Habits, and How to Catch Them," by L. H. OLMSTED. This is an interesting little book, containing wood cuts of the mole, and of the fortress it builds, accompany each trap and sent free by mail. Carried in stock by jobbers, nurserymen, florists and seedsmen throughout the U. S.

Size, 11 in. high, 5 in. wide

Manufactured by **L. H. OLMSTED'S SON, Hasbrouck Heights, N. J.**

SUPERIOR QUALITY

SINGLE AND DOUBLE

PROMPT DELIVERY

Greenhouse Glass

Be Sure To Write Us For Prices Before Placing Your Order.

BAUR WINDOW GLASS CO, Eaton, Ind.

The Regan Printing House

LARGE RUNS OF
CATALOGUES

OUR SPECIALTY—
WRITE FOR FIGURES.

527 Plymouth Place, CHICAGO

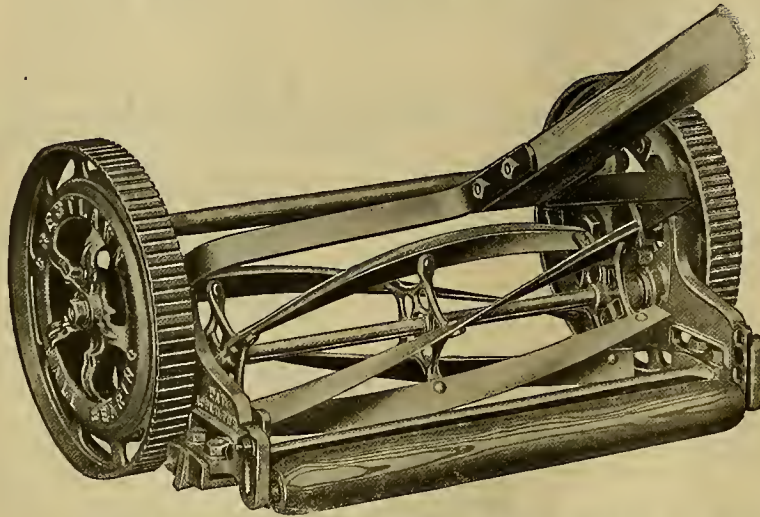
Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

Crestlawn Ball Bearing

"Every Bearing Ball Bearing."



A mower of peculiar excellence. Designed especially for parks, cemeteries and gardeners where quality and first class construction is desired.

The Crestlawn is the only mower on earth built with Ball Bearing Drive Wheels and a Four-Squared Interlocking Frame. It is impossible to knock or twist this mower out of Alignment.

Self Adjusting Ball Bearings, the attention of the operator is not required to keep them in adjustment. Always Ready For Use—Self Sharpening.

The Crestlawn is admittedly the easiest running lawn mower in the world and is recognized everywhere as the standard by which all other mowers are measured. Absolutely guaranteed to give satisfaction.

Made in four sizes.

Inches 14-in. 16-in. 18-in. 20-in.

Price \$12.00 \$13.00 \$14.00 \$15.00

Liberal Discount to the Park and Cemetery Trade. A free trial to anyone interested. If your dealer does not handle, write to us. Handsome Descriptive Literature for the asking.

The F. & N. Lawn Mower Co., Richmond, Ind.

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

GREENHOUSES.
 MATERIAL FURNISHED
 AND
 MEN TO SUPERINTEND
 ERECTION IF DESIRED.
CYPRESS SASH BARS
 ANY LENGTH UP TO 30 FEET OR LONGER.
 THE **W. STEARNS** Lumber Co.,
 NEWBURY, BOSTON, MASS.

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at the sign of good heating
INTERNATIONAL
 STEAM AND
 HOT-WATER BOILERS

For large work use the International
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 use the International Prince Boiler.
 Why wait? Write us today.

INTERNATIONAL HEATER CO. UTICA, N. Y.

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GOLD LEAF LETTERS AND INITIALS

FOR FUNERAL DESIGNS AND OTHER PURPOSES

Write for samples and
 lowest prices to

AMERICAN IMPORTING CO.,
 219 So Dearborn St., CHICAGO.

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas
 Leaves, Metal Designs and all
 Florist Supplies.

—Send For Prices—

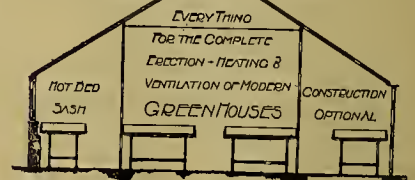
404-412 East 34th St. **NEW YORK.**

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S. Jacobs & Sons

ESTABLISHED 1871

PLANS & ESTIMATE
 UPON REQUEST

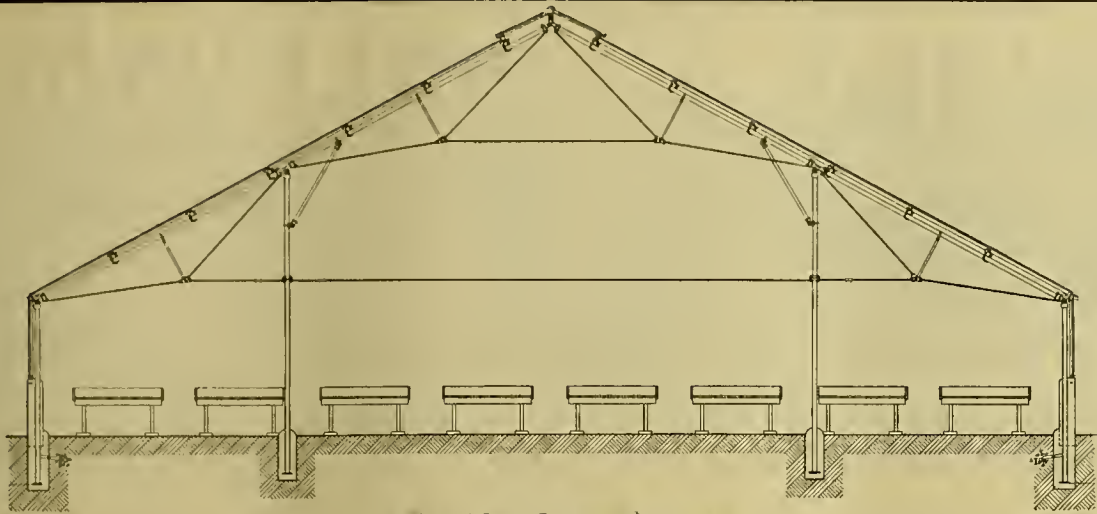


1361-1383 Flushing Ave.
Brooklyn, New York

THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings, being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

The National Florists' Board of Trade, 56 Pine St., NEW YORK


Budding Knife Free—See Page 495.



54 Ft. Greenhouse

== KING ==

GREENHOUSE CONSTRUCTION

WITH SUCH HOUSES YOU WILL GET THE RESULTS YOU HAVE BEEN WISHING FOR. 
 WE MAKE THEM FROM 14 FT. TO 54 FT. OR WIDER, AND EITHER
 WITH OR WITHOUT INTERIOR POSTS.

WRITE US FOR BULLETINS.

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BOSTON
PHILADELPHIA

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No. 1 MADISON AVENUE,
NEW YORK.

Shipping Labels for Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted
 by the S. A. F. in red. Very attractive. Size 6½x4½.



Price per 500, \$2.85; per 1000, \$4.50. Send for sample.

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co., 440 S. Dearborn Stret, Chicago.

What's This?



IT'S THE NEW PERFECTION FLUE CLEANER

and we want to send it to you for
30 Days' FREE Trial.

The Perfection will clean welded
flues as well as old ones. remove
scale from tubes without cutting
metal; clean hot or cold flues with-
out changing temper; can be
operated by flexible handle.

The knives are always sharp.
Heads are drop steel forgings.
Hundreds now in use by florists.

Scully Steel & Iron Co.
Chicago and New York.

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**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price \$4.90
4C12005, with arms, price..... \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World.
We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

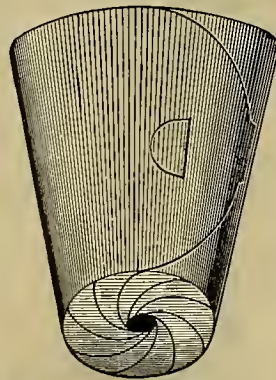
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Our Heating Dept. makes a specialty of com-
plete **Greenhouse Heating Systems.** Send for
our Special Heating Catalog No 47. Estima-
tes furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

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Budding Knife Free.
See Page 495.



NEPONSET Flower & Vegetable Waterproof PAPER POTS

**VAUGHAN'S SEED STORE,
AGENTS**

**Waterproof,
Don't Break,
Cost Little.**

Chicago and New York.
Shippers use them and save their customers
many dollars in express charges.

Mention the American Florist when writing



Andrews Cast Iron Vases

**UNEQUALLED for LAWN
and CEMETERY USE.**

Produce a strong, vigorous growth of plants—use an
Internal Reservoir creating a System of Irrigation.

SEND FOR CATALOGUE AND PRICE LIST.

J. K. ANDREWS, Patentee, 414 DuPage Street, Elgin, Ill.

Mention the American Florist when writing



The Meyer Green Silkline

The Best Thread on The Market
for **FLORISTS** and **GROWERS.**

Ask your jobber to supply you with
this Strong, Smooth Thread. For more
than a quarter of a century a Prime
Favorite with Growers and Florists.

—Manufactured by—

John H. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.



50% SAVED
Pipes, Flues

and Castings thoroughly overhauled and guaran-
teed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO

Boilers OF HIGH
GRADE..

For **GREENHOUSES**

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**

THE AMERICAN FLORIST



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

Vol. XXXVIII.

CHICAGO AND NEW YORK, MARCH 30, 1912.

No. 124

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago
Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

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ORNAMENTAL HORTICULTURISTS.**

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Annual Convention and Trade Exhibition at
Chicago, August 20-23, 1912. JOHN YOUNG, Super-
intendent, 54 West Twenty-eighth street, New York.

The Crocus Soliloquy.

Down in my solitude under the snow,
Where nothing cheering can reach
me—

Here, without light to see how I grow,
I'll trust to Nature to teach me.

I will not despair, nor be idle, nor
frown,

Locked in so gloomy a dwelling;
My leaves shall run up, and my roots
shall run down.

While the bud in my bosom is
swelling.

Soon as the frost will get out of my
bed,

From this cold dungeon to free me,
I will peep up with my little bright
head,

And all will be so glad to see me.

Then from my heart will young petals
diverge,

As rays of the sun from their focus:
I from the darkness of earth will
emerge,

A happy and beautiful crocus.

Gayly arrayed in my yellow and green,
When to their view I have risen,

Will they not wonder how one so
serene

Came from so dismal a prison?

Many, perhaps from so simple a flower,
This little lesson may borrow—

While we all undergo a dark, trying
hour,

We come out the brighter tomorrow.

H. F. GOULD.

SUGGESTIONS FOR PLANT GROWERS.

Hotbeds.

Available bench space is always a serious question with the grower at this time, for the stock is growing rapidly and soon crowds and if not given room will grow out of shape and not make good stock. In order to meet this condition there is nothing better than a good hotbed, for here can be grown quantities of the young stock and they can easily be cared for and will make better plants than can be grown in the houses. These hotbeds can be heated either by running steam pipes through them or by making them of hot manure. Three lines of inch steam pipe, one in the center and the other two about eight inches from the sides, will provide a bottom temperature of 70° to 75°. These should be laid in trenches about 10 inches deep and covered with light soil and the whole bed spaded so that the heat can penetrate it. Steam should be turned into the pipes two or three days before using and the sash put on so that the soil may be thoroughly heated. After the soil has become warm it will take but a little steam occasionally to keep it so and this can be done when the pipes in the houses are being shut off in the morning, and when the fires are started in the evening. In using manure it should be damp enough so that it will not burn and be packed solid before covering with soil.

Gloxinias.

For the grower who has a retail business connected with his greenhouse there is no better flower that can be grown than the gloxinia for they make a nice plant for summer blooming and a select cut flower for work during the months of July and August. They are one of the best house plants that can be grown at that season and when in full bloom are very ornamental in any window. The bulbs should be started the latter part of March to have them in bloom in July and August. The bulbs should be started in 3-inch or 4-inch pots according to the size of the bulb, the soil should be two-thirds light loam and one-third manure (well rotted),

is obtainable this is preferable to the manure. In potting fill the pot about one-third full of crocks and lumps of charcoal and cover with a thin layer of moss. Set the bulb so that the top is even with the soil and then place them in a house with a temperature of 60°. Give them a thorough watering and after that but little water until the leaves begin to form. As soon as the roots begin to grow they should be shifted to larger pots in the same kind of soil, always giving plenty of drainage. Never allow them to get pot bound until the buds begin to form but shift them to a size larger pot. Be careful in watering, never syringe them, and can watering is to be preferred, for water on the leaves ruins the beautiful foliage. As the warmer summer days come on they should be given a light shade.

Violets.

As the sun grows brighter and the days grow warmer the violet flowers unless shaded will grow lighter in color and much smaller, but there is always demand for violets as long as flowers of good quality can be picked, so heavy shading can be resorted to in order to prolong the season. The low sash houses are very easily shaded but it is more difficult to carry violets along into the warm weather in the large houses. We have often prolonged the picking of good violets into May by removing the sashes off of a sash house as soon as the nights become warm enough to do this safely and place wooden shutters on the frame in place of the sashes. This will keep the house shaded and cool and yet permit enough light to enter to allow the plants to produce good flowers. This can also be done with cold frames which is really preferable to sash houses for the shutters can be lifted at the back and propped up with short sticks and this will provide good ventilation. We have kept violets blooming with splendid flowers until May by this method.

The young stock if it is to be planted in the field should be set out at the earliest possible time, just as soon as with some sand added, or if leaf mould

the ground can be ploughed and harrowed. The young plants take hold much quicker when the soil is moist and before the warm days come on, and very often there will be a dry spell in May, at which time it is almost impossible to get the young plants started unless they were planted early enough to have rooted into the soil. The young stock in flats and pots for planting inside are much better in a cold frame now than in the houses.

Gardenias.

The best time for propagating gardenias is in February and March for it is easy to maintain the high temperature that is required and good cuttings are obtainable. The best medium for the propagating bench is a mixture of fine chopped spagnum, peat and sand in equal parts, and it is very important to have sufficient heat, 75° to 80° bottom heat and 70° to 75° on top. Be sure and select the cuttings from strong growing healthy plants. The cuttings should be syringed two or three times a day and protected from the sun and no draughts should be allowed to blow across them. A propagated bench with a sash over it makes a very suitable place. With such treatment the cuttings will root in three to four weeks, when they should be potted in 2½-inch pots in a soil composed of half peat and half rotted compost. They should then be placed in a house with a temperature of about 70° at night and 75° to 80° by day for a week or so until the roots have grown into the soil, when the temperature can be reduced to 65° at night and 70° to 75° during the day. In three weeks they can be shifted to 3-inch pots and after this shifted as required, for they should never become pot bound. All the buds should be removed as they form to secure a strong healthy growth.

Shading Plants in Flower.

As the Easter stock and the plants that bloom later come into flower they will often need a shade to keep them in the best condition, for at this time when the sun in the houses is so strong nothing so quickly fades the high colors in azaleas, roses and bulbous stock as the bright sunshine. While whitewashing the glass will give the necessary shade, yet in many cases the plants are placed where no shade is wanted for some little time, and a much better plan is to purchase a piece of cheese cloth and stretch it over the bench on wires. This is inexpensive and easily arranged and it also protects the flowers from soot and dust that enters the open ventilators and blemishes any light colored flower. Where lilies are fully advanced and are being run cool this makes the best shade and a strip can also be run along on the south side of the bench to protect them from the direct rays of the sun. A piece of cloth of this kind can be used in many ways throughout the spring to furnish shade to certain plants when it is not advisable to shade the entire house, and with proper care can be used for many years.

SEATTLE, WASH.—A. E. Marks, representing Wertheimer Bros., New York, was a recent visitor.

DETROIT, MICH.—Mr. and Mrs. Chas. H. Maynard have returned from a short trip to Bermuda, and report having one time of their lives and will be in Cleveland, O., at 1480 Lauderdale avenue, for a few months.

THE ROSE.

Easter With the Rose Grower.

To avoid unnecessary worry and confusion during the Easter rush of business, there should be system used to lighten the work and careful preparations made. If there is quite a lot of retail business, one should have suitable boxes for handling their orders—boxes of all sizes. These boxes come in knock-down form and they should be set up and the lining of waxed paper placed therein, packed up neatly and close at hand. Have the wrapping paper handy, and everything sent out should show taste and neatness in arrangement, even to the twine and tying of the package. And don't forget an extra flower here and there; overcount shows at least a slight appreciation of an order.

Easter being a little late usually makes it necessary to resort to the ice box, if one hasn't an exceptionally cool cellar in which to keep the stock. This, of course, must be governed by the weather. At the same time the cellar or cold storage should be in A No. 1 condition and a good supply of various sized jars to hold the cut on hand. Do not be tempted to hold stock too long; it is a poor business method and in the long run will hurt the grower more than any other thing we could

at the small margin made from filling a few orders by paying a top notch price outside. A disappointed customer is usually an indifferent one thereafter.

The work in the houses at this time consists of keeping the plants clean and well fed. They will take more air from day to day now, and very often it keeps one busy manipulating the ventilating apparatus to avoid sudden chills, draughts, etc. Cut off the steam as early as possible. Where hot water is used one will have to use more care, as the pipes cool slowly. Begin to ventilate early in the day also. By syringing quite early, even if the day should be a little cloudy, the plants will suffer no setback if they really need syringing.

Look carefully over the young grafted stock. The plants grow so rapidly in good surroundings that before one knows it the raffia will be cutting into the bark. They will also require more room, and this offers a good opportunity to retie any of them that require it and to loosen up the ties that are injuring the plants. It is not a bad plan to keep the strongest plants together, and when going over them this can be easily accomplished. Many of the weaker plants will amount to nothing from being overwatered if this is not looked after.

If one has one or more houses de-



HYDRANGEA FOR EASTER IN BASKET.

mention. It is rather hard, we must admit, not to have a disappointed customer now and then, and yet one should have an "eagle eye" on the cut. Take a careful inventory of the amount of stock to be handled and try hard to fill every order on the books even

voted strictly to summer blooming roses that have been kept dormant during the winter months, and these have not been pruned and mulched, they should be looked after at once. Kaiserin Augusta Victoria, Souvenir de President Carnot, Double White



EASTER BASKET BY C. A. SAMUELSON, CHICAGO.

Baby Rambler Rose in China Art Ware Basket.

Killarney, Mrs. Taft and others especially adapted for this work, owing to having been rested and in a dormant condition, should be pruned back pretty hard. It is not necessary to go back on the old wood, as we find the best results are obtained by cutting back to two or three eyes on the growths made during the past season, and of course removing all the thin, scraggy growth throughout the plants.

By pruning and mulching early the buds will not be broken off. Take off about three inches or more of the old soil carefully, so as not to injure the roots, and replace with good fresh compost, half manure and half loam, to which add a liberal supply of bone meal. The mulch should be in readiness before removing the old soil, and the work of removing the old soil and replacing it should be hurried along so as to have the roots exposed for the shortest time possible. Pack the new soil quite firmly and give the house a good watering, one that will reach all of the roots. Give the house plenty of air and syringe daily, but hold up the watering until the mulch begins to dry out somewhat or until there is new root action. The plants should be allowed to come along with the sea-

son, which will be all the forcing necessary. E.

Roses and Ferns.

ED. AMERICAN FLORIST:—

Will you inform me if roses can be grown successfully with ferns and lilies? Can Killarney, White Killarney and Richmond roses be grown in the same house? O. S. Ohio.

Replying to "O. S.," would say that it would be hardly practical to attempt the growing of roses and ferns in the same house. Roses requiring all the air and sunshine that they can be given, whereas many varieties of ferns require at least light shading and humid surroundings. If ferns must be grown and the same house is to be used we would suggest placing a partition of glass at the north side of house, converting this space into a fernery.

Regarding the growing of Killarney, White Killarney and Richmond in the same house, will say this can be successfully accomplished. E.

COLUMBUS, O.—The National Cash Register Co. has offered to present to the Flower and Garden club 25,000 plants for the centennial.

Greenhouse Construction.

Paper read by D. T. Connor, of Philadelphia, Pa., before the Lancaster Florist Association, March 21, 1912.

The subject which you assigned me is so well known to most of the commercial growers that I feel there is very little left for me to add. However, I am glad to tell you what I know and what I have observed in my connection with this work. The first thought in planning to build greenhouses should be to construct them so that you can get the best possible condition for plant life under glass. We now have fifty-seven varieties of greenhouse construction, made up in various widths and lengths. There seem to be two styles that are preferred, the single side house and the ridge and furrow plan. I believe equal results can be had from both style houses.

The ridge and furrow is now built with high gutter lines, seven to 10 feet, and by this plan we get more direct light and a larger air space, which is desirable. We also obtain this same condition in the wide single house. In my conversation with many florists who have both style houses, I find

they claim that the ridge and furrow house is cooler in the summer months, it is easier to repair and the cost of building is about the same. You are able to get more ventilation and for some crops this is important. With high gutter lines we do not have any trouble with draughts that are objectionable in the connected houses with low gutter lines.

The single wide house that so many growers are building, 40 to 75 feet wide and built in lengths, seem to bring out the proper results, but unless you can build this house in long lengths they will be found expensive to erect, as the gable ends cost the same. We have a great many growers who prefer the large single wide house, but, as I said before, good results can be had from both style houses. Growers often find that they have to adopt a certain style house to meet the surrounding conditions, grade of ground and limited space to build, etc.

HOW TO CONSTRUCT A GREENHOUSE.

The modern greenhouse is a combination of glass, wood, iron and concrete. The first and most important consideration in building a greenhouse should be to build proper foundations. This, as you know, is made of concrete and iron posts and should be of the best materials to stand the strain and take care of the roof construction. It is a common fault for growers to build light side walls and weak gable ends. The roofs of all greenhouses should be built of good material and made sufficiently strong to carry the loads that are obliged to meet weight of snow and wind pressure which have to be taken care of.

If you stop to think that the heating, glass, glazing, painting and erecting costs the same, no matter how cheap the construction is made up, a few dollars more will be well spent in using better materials.

The ridge and furrow houses are built with channel iron and cast iron gutters; both kinds will outlast the life of any greenhouse and should be used in place of wood gutters. Iron gutters are easier to erect, require less posts and again they are an important feature in tying the houses together. In the semi-iron construction, pipe purlins and columns are used to support the roof. I believe this style to be the best for ridge and furrow houses up to 35 feet wide. I feel sure it is a mistake to cut out pipe columns or supports of the houses, as this would put the strain on the roof and sides. I am sure that houses built of light truss work will only last a short time and constant repairing will be required. I am not in favor of truss construction unless the materials that are used are sufficiently strong to make the house rigid.

A house 40 feet wide or over should be built of flat rafter construction. We are using this material in all our wide houses and we find them the most economical houses to build. The iron work is fitted and worked out at the factory, so that the erection of the flat rafter style is made easy when it reaches the grower. Another important matter in building wide houses is to build the gables strong and rigid. It is much easier to make the gable strong with iron frame construction. During the past winter we have had a great many wind and snow storms that made trouble for the florists. I

have had a great many reports where glass was blown out and considerable damage done by the frost and in most cases it was where the construction was weak and the glass set the twenty-four-inch way. I believe most of the growers are satisfied to space the glass the sixteen-inch way. This makes the houses strong and with the use of small sash bars sufficient light can be had. Glass should be bedded in putty, securely fastened with zinc glazing nails and the glass lapped. I know that in your section a great many florists prefer to butt the glass. We can point out a few good jobs where the glass is butted, but I am not in favor of this method and I would advise all florists who build greenhouses to bed the glass in putty and lap the joints. Putty makes a cushion for the glass and prevents moisture from getting between the glass and bars. If the best putty is used the glass will not accumulate dirt and makes shade as we find in butted glass houses.

HEATING SYSTEM.

The heating system in a greenhouse is an important matter in obtaining the best results. This should be planned and the coils arranged so that the heat can be equalized. I have al-

idea of heating a large plant with steam would be to carry a pressure of twenty to thirty pounds and use a reducing valve or a vacuum system. With this plan you always have plenty of steam and your fireman will not have any excuse for not keeping the right temperature in the various houses. This plan is now used in a great many greenhouse plants and has proven to be satisfactory.

The fact that greenhouse builders can be found in every section makes the planning and building of greenhouses much easier than years ago. The greenhouse builders are always ready and willing to spend their good money to try and improve and build you the very best kind of a house. This is not always an easy task and I feel that the growers do not realize what this means. The up-to-date builder is always looking out for the best greenhouse material and working out the special details so that same can be standardized, which makes it possible to carry stock so that orders can be filled on short notice. In our private work where we build small compact ranges of glass it is difficult to plan so that the best and most practical arrangement can be had in securing the proper light. We are



BOUGAINVILLEA EASTER BASKET TIED WITH PINK RIBBON

ways been a firm believer of steam heat for large plants. It is possible with vacuum system and steam traps to place the boiler on the same level with the greenhouse floor. You will readily see that the expense of a deep cellar can be avoided and the cost of taking the ashes out and getting the coal in will be greatly reduced. My

often limited to small spaces in which to locate private greenhouses. We meet with uneven grades and undesirable exposures.

ALBANY, N. Y.—F. A. Danker, one of the hustling florists of this city, has just completed the erection of two Lord & Burnham pipe frame houses, 31x150 feet each.



ANCHOR OF ROSES, VIOLETS AND CATTLEYS

Arranged by Geo. H. Cooke, Washington, D. C., for the services over the heroes of the Battleship Maine whose remains were interred at Arlington Cemetery, March 23.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Anchor of Roses, Violets and Cattleyas.

The floral anchor which we illustrate was arranged by Geo. H. Cooke, Washington, D. C., on the order of the officers and seamen of the U. S. cruiser Birmingham, as a tribute to the dead of the sunken battleship Maine, whose remains were interred in Arlington National cemetery March 23. It was the Birmingham that brought the thirty-four coffins containing the pitiful remains of sixty-four men from Hampton Roads to Washington. At the Roads they had been transferred to the Birmingham from the battleship North Carolina which had borne them from Havana.

The anchor was an elaborate piece of work. Over fifteen hundred white roses were used with cattleyas on the bar. The chain was of violets. The length of the anchor was between six and seven feet, and it rested on

a plaque of ample dimensions. It was the most elaborate design seen in the procession, and was borne on the first caisson, as the funeral being naval and military, each coffin was borne on a caisson. A. F. F.

Easter Pottery Suggestions.

Let us have the Parisian idea in mind and use the two color suggestions in making up the Easter baskets and novelties. For instance, a round low silver basket in which a fine specimen of a white English primrose is placed surrounded with cluster of red geraniums. These geraniums should not be growing, for they have too much foliage for effectiveness. The idea is to mass the red in striking contrast with the white center plant. As a foliage and finish, around the edge use the small ferns used in ferneries. A combined white and red ribbon or a simple white ribbon can be arranged around the body of basket, making a rosette at one side. This suggestion is also good for lilies of the Easter

variety, using the red Baby Rambler rose around the Easter lilies. A useful suggestion is made by using a fancy paper basket filled in this manner around the body of which a red sash ribbon can be placed to advantage, making a double standing bow as a finish.

Lilies of the valley combined with sweet peas (the pink) are pretty in a glass fernery using the small ferns as a finish. Pink gauze ribbon should be used in this case. The golden epergne basket can be tastefully made with cattleyas in the center surrounded with violets of the single variety. Tie this with a ribbon of the pale lavender in the orchid, and it is better to use gauze in two tones if possible.

The white and yellow narcissus are pretty combined in a white enameled oblong basket, tying a fancy lace paper around the base with a yellow satin ribbon of the softest texture. A basket enameled in pink should contain white tulips and an arrangement of ferns as a finish, tied with a white

satin ribbon. A basket enameled in white should contain pink tulips, etc., as a contrast.

Pink geraniums combined with white geraniums (not growing) but the cut flowers taking the white for the center and using the pink around; the foliage in this case can be used around the edge if the severe English effect is desired. This arrangement will look well in a green rustic basket. White and purple hyacinths can be prettily arranged in contrasting circles in a rough basket of natural color, using a little boxwood edge as a finish.

A basket of any pretty shape not too large can be tinted or enameled a heliotrope shade in which plant small heliotrope plants combined with the pinkish lavender sweet peas. Tie this with a lavender shade of heliotrope gauze ribbon around the base.

For a large tall handled basket use an immense bunch of the fine large mignonette in the center; surround these with Killarney roses, and these in turn with white lilac, using maiden-hair as a finish.

A tall golf basket can be beautifully arranged with long-stemmed American Beauty roses, using a cluster of the smaller ones where the ribbon bow is attached to the center. This will make a showy window piece. Two golf baskets can be arranged at opposite sides of the show window, combining asparagus vines in a drape at the back and grouping palms where necessary. Baskets for automobiles in which are arranged violets, sweet peas, lily of the valley or any of the smaller variety of harmonizing color flowers. Little favors of the Dutch slipper order, or of the swan, or Dresden flower vase, can be prettily arranged with pansies, a small fern, a tiny Baby Rambler rose, or even a little shamrock plant, and make a window of interesting variety.

Paris has a fad at present of sending out violet corsages tied in a violet lace paper which is fastened over the violets and tied to the stems with a gauze ribbon. This violet lace paper is—when the violets are really very sweet—so scented with the violet extract that this lace paper is used as a sachet for the handkerchief case. Small pink roses made into corsages are sent out in the same manner, but a pink lace paper is used instead. When orchids are sent out the lavender lace paper is well covered with a spray of the latest Parisian perfume.

A. E. KLUNDER.

The Coldest Spot on Earth.

Though more than one region might put in a good claim for this distinction, there appears to be good ground for awarding the palm—a most inappropriate reward—so far as inhabited regions are concerned—to the Siberian settlement of Werchojanst, which is situated in about 68° north latitude. According to a writer in the Standard, the thermometer, during the three winter months, never marks more than -24.3° C., about 76° of frost in the Fahrenheit scale, and occasionally registers more than 100° of frost. Yet in spite of these rigors Werchojanst is surrounded by forest trees—conifers, which possess a power of resistance to extreme cold unsurpassed by any other form of vegetation, except perhaps the microscopic plants which flourish in the oceans of the arctic regions.

New York Florists' Club Anniversary.

At its twenty-fifth annual dinner held at Park Avenue hotel March 23, on which occasion was celebrated the twenty-fifth anniversary of the New York Florists' Club, it had for its guests, Prof. L. H. Bailey, dean of Cornell University; Richard Vincent, Jr., president of the S. A. F.; A. H. Farenwald, president of the American Rose Society; Wm. Sim, president of the National Sweet Pea Society; W. C. Hall, president of the Montreal Gardeners' and Florists' Club; A. G. Wilshire, president of the Canadian Horticultural Association, and J. Otto Thilow, president of the Florists' Club of Philadelphia. It seems unnecessary to say that the New York Florists' Club celebrated the event in a very appropriate manner.

There was an attendance of probably 200 and our Patrick O'Mara was toastmaster and Mr. O'Mara was at his best. To the writer it was demonstrated that Mr. O'Mara is not the fighter that one of the evening journals would try to make people believe he is. If he was there was no question but what he would have "swatted" more than one that persisted in disturbing the proceedings, and it is to be regretted that so many seem to forget the courtesy due the gentlemen who have come hundreds of miles by special invitation to entertain and address the assemblage, and so many times the toastmaster had to plead for "Peace!"

President Joseph A. Manda in opening the remarks spoke of what the club had accomplished during the past 25 years and introduced the toastmaster, Patrick O'Mara. President Richard Vincent, Jr., in a stirring appeal, spoke of the benefits of the S. A. F.; what it had done in the past, what it is doing now and what it proposes to do in the future. Prof. L. H. Bailey talked on the floricultural interests of the state and his address was most interesting and instructive. A. Farenwald spoke for the American Rose Society. Two of the most interesting talks were made by W. C. Hall, president of the Florists' and Gardeners' Club of Montreal, and A. G. Wilshire, president of the Canadian Horticulture Association. When one listens to these very interesting gentlemen, is it any wonder so many said, "Why don't the S. A. F. go to Montreal in 1913?" Harry A. Bunyard responded for the National Sweet Pea Society in place of Mr. Sim, who was compelled to leave the meeting at an early hour. J. Otto Thilow addressed the meeting on so many interesting features of our business, and to show the interest taken in his talk one could almost hear a pin drop. Mr. Thilow is to be congratulated in being able to say so many interesting things and say them in such a manner that he carries his audience with him.

Walter F. Sheridan, in his usual good manner, presented the retiring Ex-President, John B. Nugent, Jr., with a chest of flat silver, to which Mr. Nugent gracefully acknowledged. It was a cause of regret that Mrs. Nugent was unable to be present to share in the pleasure of the occasion. Alex S. Burns, who was president of the club in 1887, in a humorous, reminiscent speech, presented the president of the club with the charter which he has had in his possession during the twenty-five years of the club's existence. Charles Schenck, secretary of the dinner committee, made a brief address on the work of the committee and what they had accomplished.

But an ovation was tendered to "Charlie" Weathered, chairman of the committee. He was practically carried on the shoulders of some of the guests and placed on a table where he made the speech of his life, but this

is such a common thing with "Charlie" that it did not cause so much comment, but only showed how close to the hearts of his friends in the club Charlie is held. Charles C. Trepel responded to the toast of the "Man Who Takes Good Care of the Surplus," and did himself proud. Mr. Trepel, in his remarks only, exemplified his characteristic "that actions speak louder than words," and that it only required "nerve" not only to address such an assemblage, but to "do things" as he is doing on such a large scale. Wm. J. Stewart responded to the toast of the "Horticulture Press" in his usual able manner. Attending the banquet were all the leading representatives of the morning and evening press headed by William C. Freeman of the Evening Mail, but owing to the lateness of the hour these gentlemen had to leave the meeting and the carefully prepared papers of Charles H. Totty, chairman of the National Flower Show committee, and John Young, the secretary, had to be omitted.

Taking all things into consideration, the banquet was most successful and the committee is to be congratulated on its success. The management of the Park Avenue hotel is to be congratulated on the good menu provided and every courtesy shown by those that served the same. There seemed to be nothing lacking. The management had evidently provided for every emergency.

The room was most magnificently decorated and to those who so kindly sent such splendid blooms the thanks of the club should be tendered. Alex McConnell, with his usual generous nature, attended to all details of the arrangement of the flowers and the decorating of the room, which was really made a bower of flowers, and done in Mr. McConnell's masterful manner. While it is true that some vases of new roses and carnations were not placed where those sending them would like to see them, it is almost impossible on an occasion of this kind to do different than was done. The flowers were beautiful and the novelties displayed showed up at their best. Each lady was presented with a beautiful souvenir silver perfume bottle which was very appropriate and the menu was silver colored and appropriate of the occasion. Among the guests were Wallace R. Pierson, Cromwell, Conn., and the amateur enthusiasts, E. T. Hart and Eugene Rodick of Bar Harbor, Me. Y.

FLUSHING, N. Y.—George Holts, who has conducted a florist establishment in this city for 40 years, was married March 7 to Mrs. Jessie Williams.

BOSTON, MASS.—A charter has been issued to the Solari Archie Co. to do a general florist business, with a capital stock of \$10,000. Frederick C. Solari, Marciano Matkavazzo and Moses Leibman are the incorporators.

COLUMBUS, O.—The salvia has been selected as the Columbus centennial flower. T. J. Ludwig of the Livingston Seed Co., addressed the Flower and Garden Club as to culture and planting of salvia to bring about the best effect.

NEW BEDFORD, MASS.—At a meeting of the New Bedford Horticultural Society held March 4, John P. Rooney read a very interesting paper on rose culture. It was decided to hold the annual dinner March 21 in the Parker house.

ST. LOUIS, Mo.—Miss Wilhelmina Seeger was married March 11 to N. M. Kingsley who, with the bride's brother, William A. Seeger, are the proprietors of Mullanphy Florists. The bride is secretary of the Florists' Union of St. Louis.



TWENTY-FIFTH ANNIVERSARY OF THE NEW YORK FLORISTS' CLUB AT PARK AVENUE HOTEL, MARCH 28, 1912.

Baltimore.**FLOWERS IN ABUNDANCE.**

The weather the first three days of the past week was all that could be desired, but alas, the remainder has been cold and disagreeable enough to cause one to think it must have been a dream of Arcadia. Flowers, flowers—the windows of the retail florist are full of the fairest. Gilt baskets of sweet peas, azaleas—all of the spring flowers in abundance. The fine flowers are bringing fair prices. Some extra fine roses and carnations are coming in now.

NOTES.

Fred Baner is quite an economist of space in his greenhouses. We noticed today that his tables were elevated on iron pipe instead of the usual wooden supports. On the tables carnations are growing; beneath them are dracænas, aspidistras and other plants—while above are placed boxes of seeds, all doing well. We thought it a splendid idea for utilizing space.

Wallace R. Pierson of Cromwell, Conn., speaks of paying a visit to Baltimore in April. Mr. Pierson manages to get around quite a good deal in the course of a year and is a wideawake young man.

The next regular meeting of the Gardeners' and Florists' Club will be held Monday, March 25. The address of the evening will be made by Jesse King of Mt. Airy, Md., on the subject "Roses."

Richard Vincent, Jr., of White Marsh, Md., president of the S. A. F., will sail for Europe about the middle of May.

Buffalo.**TRADE QUIET.**

The past week has been about as variable as March could be. Trade is rather quiet, excepting for funeral work, there being very little in society functions or weddings, all keeping in check until after Easter. Stock is equal to all demands, with the exception of white carnations, they are somewhat scarce and no over supply of any color, but good prospects for Easter in all kinds of flowers. The stock at W. J. Palmer & Sons', S. A. Anderson's, L. H. Neubeck's and Wm. Scott Co.'s is good, and the suburban lilies will not be in oversupply, growers will have their usual supply as some are late, consequently those who are fortunate will be called upon to wholesale to others.

NOTES.

The event of last week was the visit of the Rochester Florists to bowl the return match. The result was different than in Rochester, Buffalo being the winner. The teams and scores were as follows:

Buffalo.		Rochester.	
McClure	..174 171 212	Phillips	..137 171 177
Griever	..118 137 153	Thoma	..156 114 145
Sandiford	..193 168 146	Vick	.... 94 146 127
Streit	....149 135 163	Keller	.... 94 121 141
Wallace	..165 170 196	Fonda	....103 110 73

Totals ..799 781 870 Totals ..584 662 663

The visitors arrived at 7 p. m., and immediately proceeded to Messenger's cafe, where dinner was served and the game started. Albert Vick was absent owing to the serious illness of Mrs. Vick. The bowlers were accompanied by George B. Hart as principal roofer, and several others of equal enthusiasm. A very pleasant evening was spent, and now a ball game is talked of, and we hope it can be arranged.

W. J. Palmer expects to move into his new home about May 1. It is in a very beautiful location in the new residence part of the city, and about where the Temple of Music stood at the Pan-American Exhibition.

Emil A. Boorman, who has been in the greenhouse business for many

years at 336 High street, died on Friday. He had been ill for about three months. Mr. Boorman was well known by the older florists.

Henry Weber, who has had a store and greenhouse on Main street, near Amherst, has sold out and removed to Springville, where he will grow for the Buffalo market and supply the trade in that town.

Wm. F. Kasting is expected home from Hot Springs this week.

From now on everyone will be busy getting ready for Easter. BISON.

Lancaster Florists' Association.

A meeting of the Lancaster Florists' Association was held on the evening of March 21, with a paper on greenhouse construction by D. T. Connor of Philadelphia as the feature of the evening. A rising vote of thanks was extended to Mr. Connor for his paper. In the discussion which followed many valuable points were

**H. G. Miller.**

Western Representative of King Construction Co.

brought out, among them the fact that for greenhouse sides, ashes and cement in the proportion of seven to one made a better job than more expensive combinations providing the wall was finished with a cement coating before it was dry both outside and inside.

White and pink sweet peas were on exhibition from John R. Schreiner, daisies and roses by L. Landis, and the finest yellow marguerites we ever saw from Ira Landis of Paradise, Pa. In carnations the Wheatland Greenhouse Co. had fine vases of Pink Delight, White Enchantress and Mrs. C. W. Ward. J. W. Bruckhart of Lititz, Pa., had Alma Ward and Mrs. C. W. Ward and seedlings, one a magenta and the other a cerise pink, both of which attracted much attention. Chas. B. Herr of Strasburg had an extra fine vase of Gloriosa and Amos Rohrer of Strasburg, who clings to that which is good and grows it just a little better than the rest of us, showed a fine vase of Enchantress. H. D. Rohrer showed another vase of his new red which holds up its quality right along. This seems to be a good feature as we can see just how it compares each month with previous exhibits and learn its value as an all-season commercial flower.

Mr. Connor was considerably surprised at the number we had in attendance and the size of the exhibits which compared favorably with the special occasion exhibits of the older clubs.

Our next meeting, which will be April 18, will be devoted to sweet peas and the paper will be read by Chas. Weaver who is recognized as an authority on sweet peas, not only here in Lancaster but in other sections as well. Enthusiasts of this flower who may want to send some flowers for this meeting should send them to H. A. Schroyer, Lancaster, Pa. They will find an appreciative audience.

ALBERT M. HERR.

Nassau County Horticultural Society.

The regular meeting of the Nassau County Horticultural Society was held at Pembroke hall, Glen Cove, March 13, with a good attendance, President J. F. Johnston in the chair. The executive committee presented a report on the euchre and dance recently held which netted quite a nice balance. It certainly looks good the way the special prizes are coming in for the fall show. Offers were read from the following: C. H. Totty, Burnett Bros., Bon Arbor Chemical Co., A. T. Bodington, Weeber & Don and Stapleton, Glen Cove. A letter was read from A. Herrington accepting an invitation to address the society on some subject pertaining to outdoor horticulture at some future date. W. E. Kalmeyer was elected to active membership.

The judges of the exhibit were S. J. Trepass, James Halloway and Alex. Mackenzie and their decisions were as follows: Society's prizes, 12 Bridesmaid roses, J. W. Everett, first; J. Robinson and J. MacDonald, honorable mention. Three heads of cauliflower, J. W. Everett, first. Henry Gant was awarded a certificate of merit for a fine vase of new snapdragon, Glen Cove Beauty. Certificate of merit to Scott Bros. for a vase of Carnation Wm. Eccles. Certificate of culture to H. Gant for three heads of lettuce. It was decided to have the competition for the silver cup offered by Mrs. Townsend held at the dahlia show in place of the fall show.

JAMES MACDONALD, Secy.

Massachusetts Horticultural Society.

The annual spring exhibition of the Massachusetts Horticultural Society opened March 22, in Horticultural hall and remained open two days. The exhibition, which consisted of bulbous and spring flowering plants, was held in the lecture room and one of the small halls, the main halls being occupied with the Italian garden which has been arranged by R. & J. Farquhar & Co., which was opened March 16 and will remain on exhibition until March 31. Among the novelties exhibited is a new clematis named Clematis Armandii var. Farquhariana, exhibited by R. & J. Farquhar & Co., and grown from seed collected by E. H. Wilson in western China. Louis Dupuy of Whitestone, L. I. showed a new French hydrangea and well grown heaths. C. H. Totty, Madison, N. J., exhibited Carnation Wodenethe and Peter Fisher, Benora. W. T. Walke, Salem, had a fine display of Begonia President Carnot and other plants. Wheeler & Co., Waban, and J. T. Butterworth, South Framingham, exhibited beautiful collections of orchids.

Among the awards were a gold medal to R. & J. Farquhar & Co. for Italian garden, and a silver medal to the same firm for Clematis Armandii var. Farquhariana and for collection of cyclamen. Louis Dupuy was awarded a silver medal for Hydrangea hortensis Mme. Mouillere. Certificates of merit were awarded to C. H. Totty for Carnation Wodenethe and to Peter Fisher for Carnation Benora. John C. Hatcher, Amsterdam, N. Y., received honorable mention for display of Asparagus Hatcheri.

OBITUARY.

Fred Weber.

Fred Weber, a well known rose grower of Chicago and one held in high esteem and beloved by his associates in the trade, died at his home at 5332 Bowmanville avenue, Saturday, March 23, at 2 o'clock a. m. of a complication of diseases, mainly blood poisoning and pneumonia.

Mr. Weber was born in Ossiwiol, Wurtemberg, Germany, forty-six years ago, and emigrated to America at an early age. He found employment in the florist business, working in several large greenhouse establishments in the vicinity of Chicago, and then started for himself on Lincoln avenue, and later with his brother Ernest established a greenhouse plant at Bowmanville, which he has conducted successfully ever since. He was also a member of the E. C. Amling Co., serving as one of the directors. A strange coincidence in his death was that he passed away on the same hour of the same day of the year that his brother died three years previously. He is survived by a wife and two sons, Arthur and Richard, aged 19 and 17 years respectively.

The funeral was held at his late residence Monday, March 25, at 2 p. m., and was largely attended by friends and associates in the trade, the directors of the E. C. Amling Co. attending in a body. The floral offerings were beautiful and numerous, showing the high esteem in which the deceased was held by his social and business friends. The pallbearers were Herman Bauske, John Reitmeyer, Edward Assa, Anton Then and Nick Kruchten. The interment was in Montrose cemetery.

Pennsylvania Horticultural Society.

The spring show of the Pennsylvania Horticultural Society was held in the lecture room of Horticultural hall. As the display was not quite so large it just seemed to fit with a little crowding at that. What it lacked in quantity was made up in quality, as the exhibits of bulbous stock, such as hyacinths, tulips and daffodils, which were the feature of the exhibition, were never finer. Most of the prizes were in cash, and offered by the various seedsmen of the city, and grown from bulbs purchased from them, which they took care were the best to be procured. There was very keen competition, the gardeners having put in their best work with their stock, so as to get as large a share of the prizes as possible. William Robertson, Samuel Batchelor, William Kleinheinz, Joseph Harley, James Bell, William Fowler are all great wizards of the soil when they put their best foot forward, the job of the judges is not an enviable one.

There was great contrast between this show and that of last fall. The great decorative effects that were the features of the autumn show being entirely lacking here. Some of these days the society will have an ample income and then this city will lead in artistic as well as it does now in plant culture. The admission was free, but this did not appear to materially affect the attendance which was not at all what it should have been for so good a display. K.

Following are the awards:
 Primula obconica, best six plants—John W. Pepper (William Robertson, gardener), first.
 Chieraria stellata, best three plants—C. B. Newbold (Samuel Batchelor, gardener), first; John W. Pepper, second.
 Carnations, best vase of twenty-five blooms—P. A. B. Widener (William Kleinheinz, gardener), first.
 Roses, two vases—P. A. B. Widener, first.
 Hyacinths, best six pans—P. A. B. Wide-

ner, first; Thomas P. Hunter (Joseph Hurley, gardener), second.
 Hyacinths, double, best six pans—P. A. B. Widener, first; Thomas Hunter, second.
 Tulips, single, best six pans not over twelve inches—P. A. B. Widener, first; Thomas P. Hunter, second.
 Tulips, double, best six pans not over twelve inches—Thomas P. Hunter, first; P. A. B. Widener, second.
 Narcissus, single, best six pans not over twelve inches—Thomas P. Hunter, first; John W. Pepper, second.
 Narcissus, Double Von Slon; best twelve-inch pan—John W. Pepper, first; Thomas P. Hunter, second.
 Narcissus, Sulphur Phoenix—Thomas P. Hunter, first; John W. Pepper, second.
 Narcissus, Bicolor Empress—Thomas P. Hunter, first; C. B. Newbold (Herman Van Gloeden, gardener), second.
 Tulips, Rose Luisante, best twelve-inch pan—Thomas P. Hunter, first; John W. Pepper second.
 Tulips, Hobbema; best twelve-inch pan—Thomas P. Hunter, first; P. A. B. Widener, second.
 Tulips, Vermilion Brilliant; best twelve-inch pan—P. A. B. Widener, first; J. W. Geary (Jas. Bell, gardener), second.
 Hyacinths, Cardinal Wiseman; best twelve-inch pan—P. A. B. Widener, first; John W. Pepper, second.
 Hyacinths, William the First; best twelve-inch pan—John W. Pepper, first; P. A. B. Widener, second.



The Late Fred Weber

Hyacinths, Yellow Hammer; best twelve-inch pan—John W. Pepper, first; J. W. Geary, second.
 Hyacinths, La Grandesse; best twelve-inch pan—C. B. Newbold, first; John W. Pepper, second.
 Hyacinths, La Esperance; best twelve-inch pan—John W. Pepper, first; J. W. Geary, second.
 Lilium Giganteum, best four pots not over ten inches—Thomas P. Hunter, first.
 Lilium Formosum Black Stern, best four pots not over ten inches—Thomas P. Hunter, first.
 Lilium Harrisii, best four pots not over ten inches—Thomas P. Hunter, first.
 Calla, yellow; best three pots not over ten inches—John W. Pepper, first.
 Calla, white; best three pots—Thomas P. Hunter, first; John W. Pepper, second.
 Lily of valley, best two pans—P. A. B. Widener, first.
 Crocus, best three pans—Countess of Santa Eulalia (Thomas Gaynor, gardener), first; John W. Pepper, second.
 Allium Neapolitanum, best two pans—Thomas P. Hunter, first; John W. Pepper, second.
 Amaryllis Johnsonii, best pan or pot—Thomas P. Hunter, first.
 Amaryllis Vittata Hybrids, best pan or pot—Thomas P. Hunter, first.
 Dielytra Spectabilis, best six plants—Thomas P. Hunter, first; John W. Pepper, second.
 Spirea Gladstone, best four plants—Charles Wheeler (William Fowler, gardener), first.
 Spirea Queen Alexandra, best four plants—Thomas P. Hunter, first.
 Azalea, Anthony Koster; best plant—John W. Pepper, first.
 Adonis Amurensis, best plant—John W. Pepper, first.
 Clematis Montana Bubens; best plant—C. B. Newbold, first.
 Dornicum, any variety; best plant—John W. Pepper, first; C. B. Newbold, second.
 Iris, pumila Hybrid; any variety, best plant—C. B. Newbold, first.

Lupinus, polyphyllus Moerhous; best plant—C. B. Newbold, first.
 Myosotis palustris semperlorens; best plant—John W. Pepper, first.
 Phlox divaricata Lapham; best plant—John W. Pepper, first.
 Primula veris superba, best plant—John W. Pepper, first.
 Saxifraga (McGasia), best plant—C. B. Newbold, first.
 Talletrum, any variety; best plant—C. B. Newbold, first.
 Wallflowers, best six plants—John W. Pepper, first.
 Cyrtanthum Rochfordiamum, best plant—J. W. Pepper, first.
 Marguerite, Mrs F. Sander; best plant—John W. Pepper, first; C. B. Newbold, second.
 Hydrangea Avalanche, best plant—John W. Pepper, first.
 Sansevieria Zeylanico Laureati, best plant—John W. Pepper, first.
 Rose, Mrs. Wakefield Christie Miller; best plant—John W. Pepper, first.
 Hyacinths, single; best six pans—John W. Pepper, first; P. A. B. Widener, second.
 Hyacinths, single; best six pans—John W. Pepper, first; P. A. B. Widener, second.
 Hyacinths, La Victorie; best pan—John W. Pepper, first; Thomas P. Hunter, second.
 Hyacinths, Queen of Pink, pink—J. W. Geary, first; John W. Pepper, second.
 Hyacinths, Enchantress, light blue—P. A. B. Widener, first; John W. Pepper, second.
 Hyacinth Robinson, deep rose, semi-double—P. A. B. Widener, first; John W. Pepper, second.
 Hyacinth La Grandesse, double white—John W. Pepper, first; P. A. B. Widener, second.
 Tulips, single; best six pans—P. A. B. Widener, first; Thomas P. Hunter, second.
 Tulips, single; best six pans—Thomas P. Hunter, first; John W. Pepper, second.
 Tulips, best pan—J. W. Geary, first; P. A. B. Widener, second.
 Tulip Flamingo, single—P. A. B. Widener, first; John W. Pepper, second.
 Tulip Rising Sun, single—P. A. B. Widener, first; J. W. Geary, second.
 Tulip Golden King, double—Thomas P. Hunter, first; P. A. B. Widener, second.
 Tulip Thalia, double—C. B. Newbold, first; John W. Pepper, second.
 Tulip Matador, double—Countess of Santa Eulalia, first; P. A. B. Widener, second.
 Tulip President Taft, single—P. A. B. Widener, first; J. W. Geary, second.
 Tulip White Hawk, single—P. A. B. Widener, first; John W. Pepper, second.
 Tulip Hobbema, single—J. W. Geary, first; Thomas P. Hunter, second.
 Tulip Jenny, single—P. A. B. Widener, first; John W. Pepper, second.
 Tulip Admiral Reynier, single—Countess of Santa Eulalia, first; P. A. B. Widener, second.
 Tulip Spaendonck, single—J. W. Geary, first; C. B. Newbold, second.
 Tulip Pink Beauty, single—P. A. B. Widener, first; Thomas P. Hunter, second.
 Narcissus, single; best six pans—Thomas P. Hunter, first; C. B. Newbold, second.
 Lily of the valley, best two pans—P. A. B. Widener, first.
 Spirea, Gladstone; best three pans—Mrs. Charles Wheeler, first.
 Spirea, Queen Alexandra; best three pans—Countess of Santa Eulalia, first.
 Spirea, The Godfrey—John W. Pepper, first.
 Lilacs, best four plants—C. B. Newbold, first.
 Rhododendrons, Pink Pearl; best flowered plant—P. A. B. Widener, first; J. W. Pepper, second. K.

Meetings Next Week.

Buffalo, N. Y., April 2, 8 p. m.—Buffalo Florists' Club, 385 Ellicott street.
 Chicago, April 4, 8 p. m.—Chicago Florists' Club, Elton Restaurant, 72 W. Randolph street.
 Dayton, O., April 1, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.
 Denver, Colo., April 1.—Colorado Florists' Club, T. M. A. hall, 1739 Champa street.
 Detroit, Mich., April 1, 8 p. m.—Detroit Florists' Club, 112 Farmer street.
 Fall River, Mass., April 2, 8 p. m.—Fall River Florists' and Gardeners' Club.
 Grand Rapids, Mich., April 1.—Grand Rapids Florists' and Gardeners' Club, office of member.
 Indianapolis, Ind., April 2, 7:30 p. m.—State Florists' Association of Indiana, State House.
 Lake Geneva, Wis., April 6, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.
 Lenox, Mass., April 6.—Lenox Horticultural Society.
 Los Angeles, Calif., April 2.—Los Angeles County Horticultural Society.
 Louisville, Ky., April 2, 8 p. m.—Kentucky Society of Florists, Third and Broadway.
 Milwaukee, Wis., April 4, 8 p. m.—Milwaukee Florists' Association of Indiana, City hall square.
 Minneapolis, Minn., April 2.—Minneapolis Florists' Club, 115 North Sixth street.
 Montreal, Que., April 1, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.
 Philadelphia, Pa., April 2, 8 p. m.—Florists' Club of Philadelphia, Horticultural ball, Broad street above Spruce.
 Pittsburg, Pa., April 2, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.
 Washington, D. C., April 2, 8 p. m.—Florists' Club of Washington, 1214 F street, n. w.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

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When sending us change of address always send be old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

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We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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SUCH a short season will make for the suburbanite only one jump from the snow shovel to the lawnmower, says the Chicago Daily News.

PROF. L. H. BAILEY of Cornell University, Ithaca, N. Y., is at work on a new edition of his well known "Cyclopedia of Horticulture," founded on the present work, but considerably larger and to be rewritten.

GEORGE L. MOORE, professor of applied botany at Washington University, has been elected director of the Missouri Botanical Garden to succeed Dr. Trelease, who resigned in order to devote himself to research. Dr. Moore will take up his new duties May 1.

WITH the large quantity of stock which promises to be available for Easter this year, the complaint of "pickled stock" should not be heard. To sell flowers that one knows are practically worthless is nothing short of obtaining money on false pretenses or thievery.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Public notice is hereby given that the Curtis Floral Co., 515 S. Main, Hampton, Ia., offers for registration the following geranium. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

Mrs. E. D. Curtis.—Seedling geranium, parentage unknown. Strong compact grower, attaining height of from 12 to 18 in. as a summer bedder. Leaves: reniform with slightly margin. Color: dark green with dark (chocolate colored) zone near middle. Upper surface densely pubescent. Flowers irregular, double. Outer petals broadly obovate twice the length of sepals. Inner ones narrowed, irregular. Stamens three to none often modified to form petals. Color: brilliant scarlet. Umbel: composed of many flowers on long pedicels; forming open cluster.

JOHN YOUNG, Secy.

March 22, 1912.

Third National Flower Show.

SPECIAL PREMIUMS.

Chairman C. H. Totty announces that Mrs. D. Willis James of Madison, N. J., has contributed \$500 for special premiums, and Lenox S. Rose, also of Madison, has contributed \$50 for the same purpose.

The C. W. Brownell Moss and Peat Co., Walden, N. Y., has offered a first prize of \$35 and a second prize of \$25 for the best exhibits in class 98, section E, covering orchids, twelve plants, distinct varieties.

The governing board is just now preparing a list of special premiums, and any member of the trade who has not been approached and would like to contribute something to the list, is invited to do so, communicating with Secretary J. Young, 54 W. Twenty-eighth street, New York, or Chairman C. H. Totty, Madison, N. J.

RATES FOR SPACE.

The rates for trade space at the National Flower Show in the New Grand Palace, New York, April 5 to 12, 1913, will be as follows: Not less than 75c per square foot and not more than \$1.25 per square foot and no space will be sold for less than \$25.00. The rate for space up to 50 sq. ft. will be \$1.25 per square foot, from 50 to 100 square feet at \$1.00 per square foot; from 100 square feet up at 75 cents per square foot. JOHN YOUNG, Secy.

American Gladiolus Society.

Since the preliminary schedule of the American Gladiolus Society was issued, the following additional prizes have been offered for the Chicago Show in the open classes:

Frank Banning, Kinsman, Ohio, offers the following premiums: \$5.00 for best vase America, \$5.00 for best vase Niagara, \$5.00 for best vase Panama, \$10.00 for best display America, Niagara and Panama.

Mrs. Francis King, Alma, Mich., offers a premium of \$10.00 for the most harmonious and beautiful color arrangement of cut gladioli, number of

colors and quality to count. Not less than fifty spikes.

Jacob Thoman & Sons, Rochester, N. Y., offer \$10.00 for best 25 spikes of any white variety.

Albert Lahodny, Brookville, N. Y., offers \$5.00 for best exhibit of Europa. L. MERTON GAGE, Secy.

National Association of Gardeners.

The spring meeting of the executive committee of the National Association of Gardeners will be held Monday afternoon, April 15, at 2:30 p. m., in Horticultural Hall, Broad and Locust streets, Philadelphia, Pa. This meeting will combine both business and pleasure, the Philadelphia members extending an invitation to all members of the association to attend.

The exhibition committee is making a special effort to bring together a fine display of this season's novelties for the meeting, growers being invited to exhibit. Any exhibits sent to Horticultural Hall, in care of David Rust, up to noon on April 15, will be carefully staged by the exhibition committee if the exhibitor cannot be represented in person.

Another interesting feature of the meeting will be the bowling tournament between the members of the winning team which carried off the prize cup at the National Show in Boston last year. They will contest for the prize cup. The team is composed of Robertson, Dodds, Bachelor and Duckham. A big attendance of National Association members is looked for.

M. C. EBEL, Secy.

"How to Grow Asters."

A revised edition of "How to Grow Asters" has just been issued by James Vick's Sons, Rochester, New York, having been rewritten by Superintendent George Arnold with the view to make it of especial interest and help to commercial growers. It treats of the origin and development of the aster, and its classification and different types and the best method for commercial growing. Insect enemies and diseases are fully covered and known remedies advised. The booklet is a complete manual on the aster of 40 pages and contains 13 illustrations of types and the insects and diseases with which the cultivator of this popular florists' flower has to contend.

Patrick O'Mara Opposes Peace Treaties.

A letter, written by our friend Patrick O'Mara of Jersey City, N. J., to the New York Evening Journal, in opposition to the proposed peace treaties between the United States and England and France, is the subject of an editorial in the issue of that paper of March 20 of two columns' length. Mr. O'Mara is complimented upon his sincerity and the arguments which he presents as the descendant of a fighting race, but nevertheless the paper upholds the position which it has taken in support of the treaties.

THE Minister of Public Works at Bogota, Colombia, announces through Consul Manning that a National Horticultural Exposition will be opened August 7, 1912, at which a complete exhibit of the known plants and fruits of Colombia is expected.

THERE were many who remembered to write to their representatives in congress on March 18 in favor of a parcel post law, the New Jersey Floricultural Society instructed their secretary to write the senators of New Jersey and the representatives of their districts urging the passage of the measure.

\$2,000.00 For 1000 Gladiolus Bulbs.

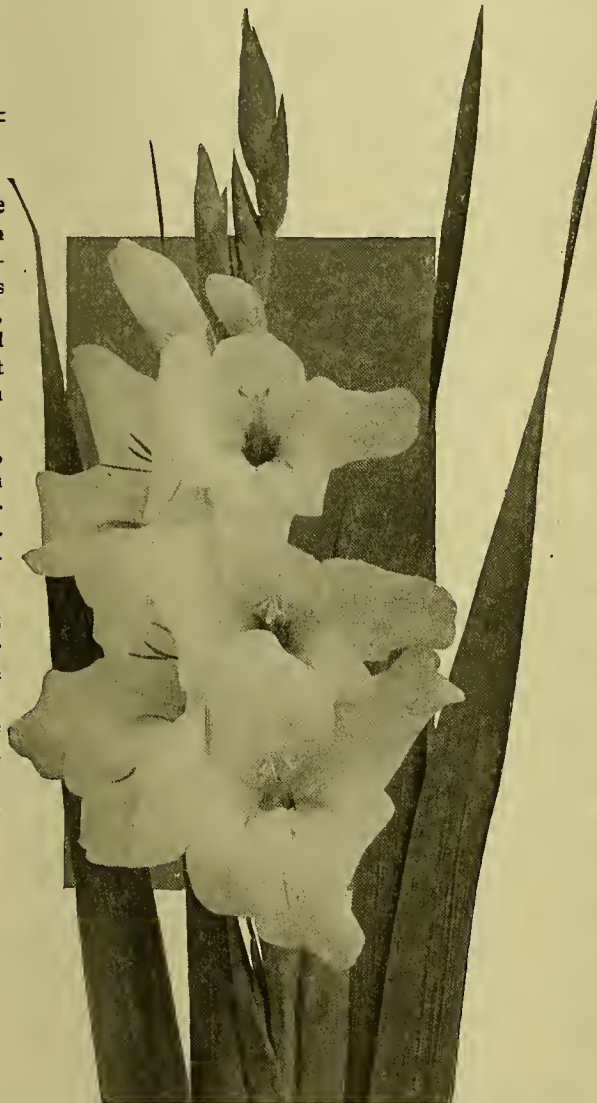
THIS is what I am willing to pay for a **pure white** variety which possesses all of the attributes which combined makes the variety "**Peace**" the **best commercial white gladiolus** in existence.

I am egotistical to this extent, that from the varieties which I have introduced during the past ten years the majority of which are not only being liberally used by both Florists and Amateurs, but are also demanded and listed by Professional Growers, I have the right to assume that my judgment as to the value of a variety should be worth some consideration, and that I am not a Novice in experimental and trial work. "**PEACE**" has been grown and increased by me since 1904, and has been planted in all kinds of soil, and under most every climatic condition, and **has never failed to "make good."** If this can be truthfully said of any other variety of equal or superior merit, I want it.

THIS is the **Grandest White Variety** ever offered in the world, and the international title of "**PEACE**" was selected for this valuable type, which will become a standard variety and secure a permanent place in every country when known.

This variety is not only **new**, distinct and of more than special merit, but it has wonderful vitality, which will insure perfect satisfaction under all reasonable conditions.

The plant is most striking and attractive, its massive proportions, broad heavy foliage of a rich green, erect and vigorous habit of growth, give evidence of the constitution and vigor, rare in light-colored hybrids. These qualities are further proven by the exceptional reproductive powers, by offsets and division.



MATURED bulbs are large smooth and practically immune from disease, and produce plants five feet high, before the bloom spike appears.

The flowers are large, of good form and correctly placed on a heavy straight spike. They are a beautiful white, with a pale lilac feathering on the inferior petals.

As a cut flower, there is no variety which will develop better, and for the garden I have yet to find its equal.

In placing the price of this variety within the reach of every admirer of the Gladiolus, I do so with the greatest confidence in its future popularity and that it supplies a long felt want, especially to the florist.

"**PEACE**" is not an early bloomer, but rather medium to late, and planted at the same time with other stock, it is in its best condition when most other varieties have passed blooming. It is therefore of exceptional value to the florist at this time when there are few other light-colored flowers in bloom.

"**PEACE**" (Groff's) Awarded certificate of merit 1906, by Society of American Florists and Ornamental Horticulturists.

PRICES:

Large bulbs per dozen.....	\$ 3.00	Large bulbs per 500.....	\$ 75.00
Large bulbs per 100.....	20.00	Large bulbs per 1000.....	125.00

If you cannot secure "**Peace**" from your seedsman, write to me.

ARTHUR COWEE, Gladiolus Specialist.
"Meadowvale Farms" Berlin, N. Y., U.S.A.

Mention the American Florist when writing

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.
Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By German florist; single; good grower of cut flowers and plants; strictly sober; prefer place near Chicago. Address Key 590, care American Florist.

Situation Wanted—An experienced gardener is desirous of securing a situation in a private place in or near Chicago. For further particulars Address Key 591, care American Florist.

Situation Wanted—As gardener or superintendent; 20 years' experience in greenhouses and landscape work; best references; Scotch; age 38; married. Address Key 596, care American Florist.

Situation Wanted—In or near Chicago; an experienced carnation grower capable of taking charge; can furnish the best of references. For further particulars address Key 592, care American Florist.

Situation Wanted—As a first-class grower; single, sober and a hustler, and can produce the goods; ready to come by 26th of Merch; please state full particulars and wages. Address Key 587, care American Florist.

Help Wanted—A young lady florist to help in store and office; give reference. Address Key 569, care American Florist.

Help Wanted—Experienced grower of carnations; married preferred; good wages; steady employment. Address Key 595, care American Florist.

Help Wanted—An experienced palm grower for commercial place near Chicago. Must know how to grow good decorative stock. Address Key 561, American Florist.

Help Wanted—A good all-round man, one who thoroughly understands growing and waterlog; position in an eastern city; married man preferred; references. Address Key 570, care American Florist.

Help Wanted—Experienced gardener for outside landscape work; state experience and reference, steady position; \$75.00 per month. Wm. MEHL, Landscape Architect, 23 Euclid Bldg., St. Louis, Mo.

Help Wanted—A good grower of pot plants, bedding stock, etc.; must understand filling porch boxes, also handle bulb stock and general line for a retail business; wages, \$15.00 per week to start, more if found worthy. M. Bloy, 880 Van Dyke Avenue, Detroit, Mich.

Wanted—To Buy—Forty good second-hand hotbed sash. J. W. MILLER Hope, Ind.

Partner Wanted—Capable, dependable experienced man as a partner for raising lettuce, and who knows good location and has from \$1000 to \$5,000 to invest, but desires additional capital. Box 185, Wilburton, Oklahoma.

Grower Wanted—A good chance for an industrious florist who can grow A No. 1 carnations; must know enough to take charge and be willing to work on commission; owner has other interest and cannot look after 20,000 feet of glass; 50 miles from Chicago. Write or call. ROSEDALE GREENHOUSES, McHenry, Ill.

For Sale—Greenhouses and store; established trade; wish to retire. J. NELSON, 1747 W. Huron St., Chicago.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Cheap, greenhouses, good location, equipped; doing good business; splendid opportunity for young man with small capital. G. W. PATTERSON, Corry, Pa.

For Sale—Small but good greenhouse plant and cottage in fast growing town in Oklahoma; no competition within 35 miles; the best of bargains; write for particulars. Address Key 576, care American Florist.

For Sale—On account of age, two small greenhouses and four acres of land; a steadily increasing business done for years which could be easily doubled by a younger and stronger person; a snap for a young man. For full particulars Address Key 594, care American Florist.

For Sale—Modern, well-piped greenhouse, about 4,000 feet glass. Well worth the money, or could take a partner with \$1,000 to increase plot. Well established trade store in town. Greenhouses on train route. A. R. SALMON, Kalispell, Mont.

For Sale—\$3,000.00 will buy ½ interest in a good greenhouse, market garden and ranch, doing business of thirty years' standing, in one of the best markets in the United States; over 5000 feet of glass, with 6000 feet of glass on hand for additional buildings; exclusive market, with no competition; ranch contains 240 acres. Or will sell the whole, owner having other business demanding all his attention. Address W. J. FADDOCK, Leadville, Colo.

Box 328.
Wanted to Buy—First class retail flower shop in city of Toledo. Address C. LEE, General Delivery, Cincinnati Ohio.

FOREMAN

Good grower of roses, carnations and bedding plants can secure fine situation in the Middle West by answering this advertisement today. State particulars in first letter. Address Key 593, care American Florist.

Wanted—Any one knowing the address of Zina Tabor a florist; last heard from at Kenosha, Wis., will confer a favor by addressing Mrs. HELEN TANNER HANFORD, 472 W. 10th Street, Winona, Minn.

Foreman Wanted

Working foreman, capable of growing first-class roses, carnations and bedding stock; only reliable and thoroughly experienced men need apply. For further particulars address

JANESVILLE FLORAL CO.,
Edw. Amerpohl, Mgr.,
Janesville, Wis.

FOR SALE - A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Ill.

FOR SALE

Well Established Nursery.

Excellent location near one of Minnesota's most flourishing cities. Excellent railroad facilities. 120 acres in Apples, Small Fruit and Ornamental Stock. Good Buildings, Storage and Packing Cellar. Will be sold with or without land—long lease if desired. An exceptional opportunity if taken at once. Good reason for selling. Write

KEY 578, Care AMERICAN FLORIST.

PARK COMMISSIONER

FOR TORONTO, CANADA.

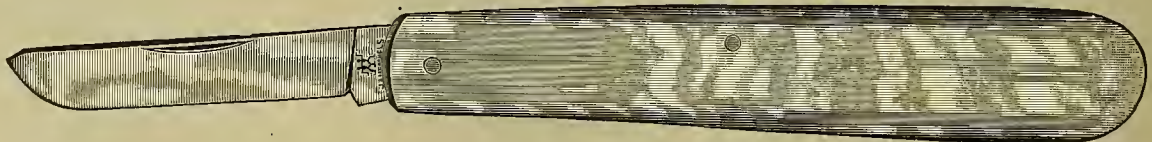
Applications for the above named vacant position will be received by the undersigned. Applications should be accompanied with full particulars as to applicant's ability and experience, with testimonials, etc.

G. R. GEARY, (Mayor),

Chairman Board of Control.

City Hall, Toronto, Jan. 17, 1912.

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

EASTER GREETINGS



FOR

Flowers *From*
 Canger and Gormley
 187 N. State St., Chicago.
 PHONES
 CENTRAL 5196
 CENTRAL 2190
 AUTOMATIC 44768

FLORIST'S
 TAGS
 FOR EVERY
 DAY
 IN THE
 YEAR

EXCLUSIVE DESIGNS
 FOR FLORISTS.

An artistic tag attached
 to your packages will at-
 tract favorable attention to your business.

AMERICAN TAG COMPANY'S TAGS
 are universally recognized as unsurpassed in standard of excellence.

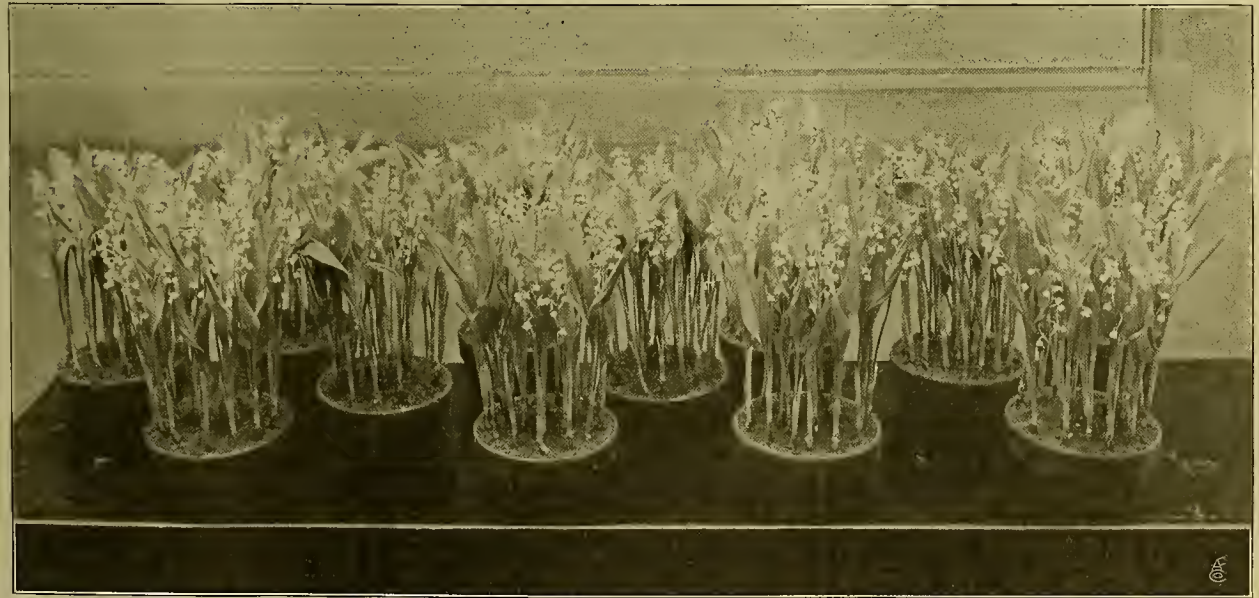
FOR ANYTHING IN THE TAG LINE WRITE—DEPT. 39

AMERICAN TAG COMPANY

6133 State Street,

CHICAGO, ILL.

First Prize for Valley



in both classes; 12 pans, 25 to a pan, and for 250 cut blooms, at the Chicago Spring Show, March 12 to 17, 1912,

Won by Bruns' Chicago Market Brand

The "Finest Forcing Valley" Pips in
 America—\$2 00 per 100, \$17.00 per 1000
 Also Florists' Money Maker—
 \$1.75 per 100, \$15.00 per 1000

Order your supply today from

H. N. BRUNS, 3038-40-42 W. Madison Street, **Chicago**

Beauties for Easter

Fine Crop of Long Stock Now Coming In Roses, Lilies and Fancy Carnations

We grow all the flowers we sell and guarantee them to be absolutely fresh.

BUY DIRECT OF THE GROWER

EASTER PRICE LIST

Subject to change
without notice

AMERICAN BEAUTIES		Per doz.
Extra long	.....	\$5 00 to \$6 00
30-in.	.....	4 00
20-24-in.	.....	2 00 to 3 00
15-in.	.....	1 50
12-in.	.....	1 00
RHEA REID		Per 100
Extra long select	.....	\$15 00
Good length	.....	12 00
Medium length	.....	\$8 00 to 10 00
Short	.....	6 00
FANCY BULB STOCK		Per 100
Daffodils	.....	\$2 00
Dutch Hyacinth	.....	\$5 00 to 6 00
LILY OF THE VALLEY	.....	3 00 to 4 00
FANCY DOUBLE TULIPS	.....	3 00 to 4 00
FANCY SINGLE TULIPS	.....	2 00 to 3 00
JONQUILS (Golden Spnr)	.....	3 00

WHITE AND PINK KILLARNEY, PERLE AND RICHMOND		Per 100
Extra long select	.....	\$10 00 to \$12 00
Good length	.....	8 00
Medium length	.....	6 00
Short	.....	4 00 to 5 00
CARNATIONS		Per 100
Extra long fancy O. P. BASSETT	.....	\$5 00
Fancy white	.....	\$4 00 to 5 00
Fancy pink	.....	4 00 to 5 00
Fancy dark pink	.....	3 00 to 4 00
EXTRA FINE EASTER LILIES		Per 100
Per dozen	.....	\$1 50 to \$2 00
Per 100	.....	12 00 to 15 00
ASPARAGUS SPRAYS	..... per 100,	\$3 00 to \$4 00
SMILAX STRINGS	..... per doz.,	2 50
ADIANTUM	..... per 100,	1 00
GALAX, Green & Bronze	..... per 1,000,	1 25
FERNS	..... per 1,000,	2 50

Bassett & Washburn, Chicago

STORE AND OFFICE: 131 N. WABASH AVE.

GREENHOUSES: HINSDALE, ILL.

Chicago

BUSINESS FACTS.

The weather conditions for the last two weeks have been of the best for the production of high grade flowers, with plenty of bright sunshine and cool, sharp nights, and the stock that is coming into the market is of the very best quality in almost all lines, and in large quantities. But the market conditions are those that generally precede a holiday, for it is noticeable for two or three weeks before Christmas and Easter there is generally a let-up in the buying by the public. Whether they are waiting for larger purchases upon those days or for some other cause is not easily explained. Roses of superb quality are to be had from all the growers and from those to whom they consign. American Beauty of first quality are not overplentiful, there being a great many that are not perfect in the daily shipments and there is also a good proportion that are of short and medium lengths, so there are none too many of the longest grade to fill all that the orders call for. Killarney and White Killarney are to be had in superb condition, some elegant large blooms of high color in the pink on long strong stems with beautiful foliage. My Maryland and Mrs. Jardine are also seen in fine form. Richmond is of splendid quality, but the cut is not large and the prices of this rose hold up well. The novelties in roses sell well and at good prices, but the quantity received is small. Lilies are now received in large quantities, as are also callas, but the demand for them is not heavy and vases of these flowers are seen with all the dealers. Sweet peas are of excellent quality, some beautiful flowers on stems fifteen inches long being shown in the store windows, and of a great variety of colors, the Spencer, or

"Butterfly," so called, have also made their appearance, and these beautiful flowers are quite an addition to the large assortment of stock obtainable. Violets are of good quality and quite plentiful. The home grown stock is the first to be bought and is selling very well. The eastern stock is received in good quantities and the market is a little better than it has been for the last two or three weeks. Bulbous stock is having a good call, although the quantity received is large yet the stock of narcissus and tulips cleans up well. Mignonette of excellent quality is shown and is featured in the retailer's window, and some fine antirrhinum in all colors is seen in the stores. The retail stores are beginning to display specimens of the Easter plants and the windows are beautifully arranged with azaleas, genistas, rambler roses and pans of hyacinths, tulips and narcissi, the pots being nicely ornamented with appropriate pot covers. Pussy willows are used extensively in basket arrangements and are displayed at all the stores.

NOTES.

Poehlmann Bros. Co. is booking a large number of orders for Easter, especially in lilies, and one order called for 1,000 pot plants, and another order for 3,000 blooms in pots. The supply of stock in general is large, and extra fancy orchids, American Beauty, Prince de Bulgarie, Mrs. Aaron Ward, Melody, Richmond and other leading varieties of roses as well as a large supply of carnations, lily of the valley and seasonable bulbous flowers are daily offerings. Mignonette of high grade quality is arriving in quantity and meeting with very ready sale. The supply department is also busy, and a good many orders in this line are now being filled.

Peter Reinberg is receiving a large

supply of roses and carnations and Tim Matchen, the hustling store manager, says that it will be still larger during Easter week. Killarney, White Killarney and Richmond especially are arriving in fine condition and American Beauty roses in all lengths is also one of this firm's leading features. This firm is now cutting heavily in Sunrise roses, the pretty bronze copper colored rose that is now being used extensively by the leading florists in the table decorations. Trade is picking up a trifle and the out-of-town shipments especially are much larger.

H. G. Miller, who has been with the King Construction Company for many years as an expert greenhouse constructor, will represent them in the this city and vicinity with headquarters at his home in Aurora, Ill. Mr. Miller has had a large experience in greenhouse building and will be pleased to call upon and consult with anyone contemplating building and explain to them the merits of the King idea in greenhouse construction. We bespeak for Mr. Miller an attentive hearing about greenhouse material and building.

August Lange added a Pierce Arrow gasoline machine to his delivery equipment last week and a Carter car will be installed this week. This will give him two gasoline machines and two electrics for the Easter business. Mr. Lange intends to eliminate the electrics as soon as possible after Easter, using only gasoline machines.

Fred Lautenschlager, Kroeschell Bros. Co.'s boiler man, has returned from a successful five week's business trip in the east. Mr. Lautenschlager reports having had a most enjoyable trip, besides booking a couple of good-sized orders.

Large Crop of BEAUTIES

Large Crop of CARNATIONS

Large Crop of ROSES

Finest Stock in the Chicago Market. Bar None.

EASTER PRICE LIST

American Beauties		Jardine	
Per Doz.		Per Doz.	
60-inch stems	\$6 00	24-inch stems	\$2 50
48-inch stems	5 00	20-inch stems	2 00
36-inch stems	4 00	15-inch stems	1 50
30-inch stems	3 00	Short stems	1 00
Killarney		Uncle John	
			Per 100
Extra special, 36-inch stems		Fancy, 24-inch stems	\$12 00
Selects, 30 "		Good, 15 "	8 00
Fancy, 24 "		Short,	6 00
Medium, 20 "			
Good,		Fancy, 24-inch stems	\$8 00
Short stems,		Good, 18 "	6 00
		Short,	4 00
		Roses, our selection	4 00
Richmond		Carnations	
Extra specials, 36-inch stems		Red, extra special, per 100, \$5 00, Fancy, \$4 00;	
Selects, 30 "		Good, \$3 00.	
Fancy, 24 "		Enchantress, extra special, per 100, \$5 00; Fancy,	
Medium, 20 "		\$4 00; Good, \$3 00.	
Good,		Pink Lawson, Winsor, White Perfection, White	
Short stems,		Enchantress, White Lawson, per 100, extra special,	
		\$5 00; Fancy, \$4 00; Good, \$3 00.	
		Ferns, per 1000, \$3 00. Smilax, per doz., \$1 50 to \$2 00.	
White Killarney		Adiantum, per 100, \$1 00 to \$1 50. Galax, per 1000,	
		\$1 00. Sprengeri, per bunch, 50c. Asparagus Sprays,	
Extra specials, 36-inch stems		per bunch, 50c. Lilies, \$12 50 to \$15 00 per 100.	
Selects, 30 "			
Fancy, 24 "		We have the finest stock in Chicago in abundant	
Medium, 20 "		supply. Large flowers on stiff stems well	
Good,		clothed with luxuriant foliage.	
Short stems,			

Wietor Brothers

TELEPHONE RANDOLPH 2081

162 North Wabash Ave., Chicago

HEAVY SUPPLY FOR EASTER

**ANYTHING AND EVERYTHING
IN SEASONABLE CUT FLOWERS**

**Roses, Carnations, Violets, Sweet Peas,
Tulips, Lilies, Mignonette and All
Other High Grade Quality Stock**

**ALSO A GOOD SUPPLY OF OUR
FAMOUS BLUE RIBBON VALLEY**

Which Local Buyers now Consider as the Best in This Market.

ORDER SOME AND BE CONVINCED. EASTER ORDERS NOW BEING BOOKED

QUALITY SPEAKS LOUDER THAN PRICES

No Order
2
Large.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

No Order
2
Small.

Wietor Bros. are cutting a large quantity of choice roses with American Beauty, Killarney, White Killarney, Mrs. Jardine and Uncle John, showing up exceptionally well. A visit to this firm's large greenhouse establishment last week found the stock in the highest possible condition and we could not help but notice what a large quantity of stock this firm will have for Easter. House after house of American Beauty plants fairly covered with highly colored buds was what we saw as James Novak, the efficient foreman, escorted us through the many houses. The Richmond, Killarney, White Killarney, Mrs. Jardine and Uncle John roses are also in fine condition and the supply of stock promises to be nearly as large as that of last Christmas. The carnation houses are also in grand shape, and Henry Roemer, the grower, is confident that the supply for next few weeks will be large and that the majority will be just right for Easter. N. J. Wietor is very enthusiastic over the Easter business, and says that the quality of the stock will be the same as his firm offered last Christmas, and adds that if the orders come in as good as they did then the prospects for a banner Easter would be very bright indeed. It seems as if the brightness has already started, for some good-sized orders have already been booked.

Frank Ayres' sudden dip in the matrimonial sea has certainly caused some disturbance and the likeness of

the happy young bride with a half column write up appeared in the Sunday edition of several of the local papers. Mr. Ayres' many friends could hardly believe it when he told them last Wednesday that he was to be married, and even his employers took it as a joke until he produced the necessary evidence, a wedding license, and even then it seemed unbelievable. However the wedding took place and the popular young store man is now a happy benedict.

John Kruchten was laid up a couple of days the past week with a severe cold, but is again on the job and busy making preparations for the Easter business. He is going to be particularly well fixed on lilies and will have about 30,000 to dispose of during Easter week.

Hoerber Bros. are cutting a large quantity of choice roses and carnations and particularly fine Killarney and White Killarney are very noticeable at the store this week. The stock in the greenhouse at Des Plaines is in fine condition and in full crop for Easter.

Wm. Lynch's many friends will no doubt be pleased to hear that he is meeting with much success as a grower and that he will be in full crop with carnations for Easter. Tony Einweck and Dear Jack of the E. H. Hunt force visited his greenhouses this week.

A very bright spot is seen in the window of Wm. F. Schofield on North

**U
S
E** Budlong's
Blue Ribbon Valley.

State street which upon close examination proved to be a neat electric sign bearing the words "Schofield for Alderman."

H. Van Gelder of Percy Jones is showing some very fancy sweet peas and some of the finest flowers in the market were seen at this house this week.

Robert Northam, George Reinberg's hustling store man, is pleasing his customers with an exceptionally fine grade of callas.

Peter Olsem won two prizes in the A. B. C. tournament, \$19.00 in the doubles and \$8.00 in the singles.

Bert Cole has accepted a position with the E. C. Amling Co. and entered upon his duties March 25.

Chas. Balliff, with Fischer Bros., celebrated his thirty-sixth birthday last Wednesday, March 27.

F. O. Franzen, the Summerdale avenue florist, is now doing a wholesale business in seeds.

Peter Reinberg

30 East Randolph St., CHICAGO.

EASTER PRICES

We have never been so well prepared for what we believe will be the **Busiest Easter on Record.** The whole of our vast greenhouse plant is in splendid condition and the crops will be at their best for the holiday.

Large Crops OF BEAUTIES

Richmond, Killarney, White Killarney, My Maryland
Sunrise and Perle roses, and

Large Crop of SUNRISE ROSES

Something out of the ordinary.

Fine bronze coppery colored heads. Just what you want for your Easter Baskets
and Table Decorations.

FANCY CARNATIONS

in Red, White and Pink will enable us to fill all orders in full. Better
let us fill yours.

Send Your Orders Direct to the Grower and they Will be Taken Care of.

AMERICAN BEAUTIES		Per doz.		
Extra long stems.....		\$5 00	Sunrise.....	{ Select .....\$8 00 to \$10 00
36 inch stems.....		4 00	Perle.....	{ Medium 5 00 to 6 00
30 inch stems.....		3 00	Roses, our selection.....	4 00
24 inch stems.....		2 50	Carnations.....	3 00 to 4 00
20 inch stems.....		2 00	Fancy.....	5 00
15 inch stems.....		1 50	Harrisii.....	12 50 to 15 00
12 inch stems.....		1 00	Valley.....	3 00 to 4 00
Richmond.....	} Extra select.... \$12 00 Select .....\$8 00 to 10 00 Medium 5 00 to 6 00		Violets.....	75 to 1 00
Killarney.....			Sweet peas.....	75 to 1 00
White Killarney.....			Tulips.....	3 00 to. 4 00
My Maryland....			Jonquils.....	3 00
			Adiantum.....	1 00
			Asparagus, per bunch.....	50 to 75
			Ferns, per 1,000.....	2 50

2,000,000 Feet of Modern Glass.

EASTER STOCK

Roses, Carnations, Gardenias, Violets and other Seasonable Stock.

LILIES

30,000 to 40,000 Cut Blooms of A1 quality. ORDER NOW.

EASTER PRICE LIST—In effect April 1st.

American Beauties	Per doz.	Roses	Per 100	Sweet Peas	Per 100
Extra long stems.....	\$5.00	Richmond.....	Extra Select...\$10.00 Select...\$6.00 to 8.00 Medium...\$4.00 to 5.00 Short.....\$3.00	Tulips.....	75c to 1.25
36 inch stems.....	4.00	Killarney.....		Jonquils.....	3.00 to 4.00
30 inch stems.....	3.00	White Killarney.....		Daffodils.....	3.00
24 inch stems.....	2.50	My Maryland.....		Adiantum.....	75c to 1.00
20 inch stems.....	2.00	Hilda.....		Asparagus, bunch, 35c to 50c.	
15 inch stems.....	1.50	Bride.....	“ Sprengerl, bunch, 25 cto 50c.		
12 inch stems.....	1.00	Bridesmaid.....	Bronze Galax, \$1.00 per 1000.		
Lilies	Per 100	Carnations	Per 100	Ferns, \$2.50 per 1,000.	
Extra special stock.....	15.00	Fancy.....	\$4.00	Boxwood, per bunch 25c.	
Fancy.....	12.50	Good.....	3.00	Pussy Willows, per bunch, 50c.	
Good.....	10.00	Common.....	2.00	Stocks, per bunch, 50c to 75c.	
Gardenias, per doz. \$3.00 to 5.00		Valley.....	\$3.00 to 4.00		
		Violets, single.....	75c to 1.00		

JOHN KRUCHTEN

162 N. Wabash Ave., Phone Central 6269 CHICAGO

A. C. Brown of Springfield was in the city this week on business and pleasure combined. He and his friend, C. L. Washburn, had a very long chat and of course the conversation gradually led to the probable fate of one of the remaining bachelors of the Illinois State Florists' Association. Both gentlemen came to the conclusion that it would not be at all surprising if the pleasant sound of wedding bells would be heard far beyond the borders of one of the suburban towns.

J. A. Budlong's specials this week are fine Richmond, Mrs. Jardine and Kaiserin Augusta Victoria roses and lily of the valley of their famous blue ribbon brand quality. The supply of the latter is large and the quality excellent, the beautiful green foliage large bells and fine fragrance being particularly noticeable. Phil Schupp, the efficient manager, is now teaching his son Roswell the selling end of the cut flower business.

Weiland & Risch filled an order for 1,200 gardenias this week without any trouble, and after the order was filled they had 400 left to offer. This house is now headquarters for novelties and fine white and yellow daisies, snapdragons, single and double stocks, freesias and other flowers are now arriving in quantity.

A. L. Vaughan & Co. received two wagon loads of wild smilax by express this week and are now filling some good-sized orders. This firm is prepared for a good Easter trade with a full line of choice stock, especially roses, carnations, lilies and bulbous stock.

The Chicago Flower Growers' Association will have a large supply of stock for Easter and expect to be particularly strong on Killarney roses, lilies and carnations. Sweet peas and

lily of the valley of exceptionally fine quality are some of the leading features at this house this week.

Clifford Pruner and F. A. Longren, E. H. Hunt's traveling men, are still in the city, but expect to start out soon on another business trip. E. H. Hunt is offering a large supply of lilies, both cut blooms and pot plants and is making a specialty of these for the Easter trade.

Peter Sroczyński has a fine stock of pot lilies for the Easter trade, and has about 35,000 to offer at wholesale. Pan tulips and hyacinths of fine quality can also be obtained here, and the trade is cordially invited to call at his greenhouses and inspect his stock.

Bassett & Washburn are right in with a crop of American Beauty roses and fine stock is now arriving in large quantities at the store. Easter lilies are also one of this firm's chief offerings, and the large supply of stock is meeting with very good sale.

The J. E. Deamud Co. is having a good call for its choice home grown double violets and other seasonable stock. The firm will be on the job for Easter with a full line of seasonable stock, especially lilies and carnations.

Chas. W. McKellar is showing some fine Cattleya Schroederae, as well as single and double stocks. The supply for Easter will be large and he expects to fill all orders in full.

Oak Park voters will be given an opportunity to vote on the proposition to establish a park district to be known as the Park District of Oak Park, at the election to be held April 2.

W. E. Trimble lived up to his reputation as a crack marksman last Sunday, March 24, when he killed the limit of ducks at the Princeton game and fish club's reserve.

U S Budlong's E Blue Ribbon Valley.

E. E. Pieser says that Mrs. Pieser is still seriously ill and that as soon as she improves sufficiently to undergo an operation it will immediately be performed.

L. Leveson, of the Palace Floral Co., was very busy on March 24 with wedding work, and a bride's bouquet of lily of the valley was very artistically arranged.

Allie Zech came near rolling a perfect score at Bensinger's Alleys last Sunday, March 24, when he bowled 288 in one of the games played.

Sprinkleproof Sam, representing Wertheimer Bros., the national floral ribbon house, is calling on the trade here this week.

Frank Johnson, with the A. L. Randall Co., has returned from a successful business trip to the blue grass state.

The Alpha Floral Co.'s fine window display is being greatly admired by the vast throng of people who pass the store.

Joe Weise, formerly with J. A. Budlong, has gone into the retail business at 3445 Southport avenue.

A bouncing baby girl arrived at the home of Henry Wehrman in Maywood last week.

Miss H. V. Tonner is again showing a large supply of Spanish iris.

A Large Supply of Easter Stock of Extra Fine Quality

Lilies,
Richmonds,

Beauties,
Brides,

Killarney,
Maids,

Valley  **S**pring
violets **Stock**

Carnations,
Ferns,

Cattleyas,
Boxwood,

Tulips
Mexican Ivy.

Get Our Quotations on Lilies and Other Stocks in 1000 Lots

Easter Price List Subject to change without notice In effect April 1

ROSES		ROSES—Continued Per 100		CARNATIONS Per 100	
Beauties—	Per doz.	Maryland	\$5.00 to \$12.00	Carnations	\$3.00 to \$4.00
Long stems	\$6.00	Gate or Uncle John	5.00 to 10.00	“ special fancy	5.00
30 to 36-inch stems	5.00	Perle	5.00 to 8.00	“ splits	2.00
20 to 24-inch stems	\$3.00 to 4.00	Roses, our selection	4.00		
15 to 18-inch stems	2.00 to 2.50			EASTER LILIES Per 100	
12-inch stems	1.50			Select	\$12.50 to \$15.00
	Per 100.	Cattleyas	per doz., \$5.00 to \$7.50	Shorter	8.00 to 10.00
Killarney, special	\$12.00			MISCELLANEOUS Per 100	
“ fancy	8.00 to 10.00	GREENS		Callas	\$12.00 to \$15.00
“ good	5.00 to 6.00	Asp. Plumosus . . . per string,	\$0.50	Valley	3.00 to 4.00
White Killarney, special	12.00	Asp. Plumosus Sprays, bunch,	\$0.35 to .50	Sweet Peas .....	.75 to 1.25
“ fancy	8.00 to 10.00	Sprengeri	per bunch, .25 to .35	Tulips	3.00 to 4.00
“ good	5.00 to 6.00	Adiantum	per 100,	Daffodils	3.00 to 4.00
Richmond, special	12.00	Smilax, choice	per doz., 1.50 to 2.00	Jonquils	3.00 to 4.00
“ fancy	8.00 to 10.00	Fancy Ferns,	per 1000,	Mignonette, doz., 35c to 75c	
“ good	5.00 to 6.00	Galax Leaves	per 1000,	Violets .....	.50 to 1.00
		Boxwood	50-lb. case,		
			7.50		

A. L. Vaughan & Co.

(Not Inc.)

TELEPHONES: { 2571 Central
2572 Central

161 N. Wabash Avenue

ROSES

EXTRA FANCY KILLARNEY, WHITE KILLARNEY,
RICHMOND, BRIDE AND MARYLAND.

ALSO

Carnations of Quality.

A Large Supply for Easter in All the Leading Varieties.
Exceptionally Fine Red, White and Pink.

Also Sweet Peas, Tulips and all other Bulbous Flowers.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

Long Distance Phones:
Randolph 2758.
Automatic 41770.

Chicago.

The shipping trade at the Geo. Wittbold Co.'s establishment in Edgebrook is still very brisk and large quantities of stock are shipped to distant points daily. The Buckingham establishment is also doing a big business and highly colored eight sheet posters on the billboards are telling the public to visit the flower show at their store during Easter week. A large importation of box trees arrived recently.

John Zech recovered sufficiently from his recent illness to be able to again resume his duties at Zech & Mann's store. Mr. Zech says that the basket of fruit that the Florists' Club presented to him was elegant and so delicious and nourishing that he was able to leave the hospital a few days ahead of time.

D. F. Simonds of the Ogden Floral Co. returned last week from Hot Springs, Ark., after taking the regular bath treatments. He reports having had a most enjoyable time and says that the baseball men and cow punchers manage to keep things pretty lively in the Arkansas town.

A bouncing eight pound baby boy arrived at the home of Wm. Lorman, A. L. Randall Co.'s popular shipping clerk, on Monday, March 25. The proud father treated the Randall employees and his many friends to candy and cigars in honor of the occasion.

Paul M. Palez, with Vestals, Little Rock, Ark., is in the city buying stock and renewing old acquaintances. Mr. Palez is very popular with the local florists and his visits to this market are always anxiously looked for.

The West Park board has decided to erect two natatoriums, one at Garfield park, costing \$75,000, and the other \$100,000, south of Humboldt park, which were proposed by William Kolacek, president.



LARGE
SUPPLY
of

Orchids

FOR EASTER

Also plenty of all other
choice seasonable stock

CHAS. W. MCKELLAR

162 N. Wabash Avenue,
CHICAGO.

John Starrett expects to be very busy from now on with floral decorations at the Hotel LaSalle and says that an elaborate lily decoration for Easter is already on the programme.

The Chicago Carnation Co.'s crack baseball team will play in the Joliet city league this season and will make its initial appearance in handsome new gray uniforms.

John Simpson is doing such a fine business at his Ogden avenue store that we would not be at all surprised to hear of him buying another car for delivery purposes.

John Degnan says that the counter trade at Winterson's Seed Store is picking up considerably and soon promises to be very brisk.

Louis Visas placed an order with Poehlmann Bros. Co. this week for 500 pot lilies, the plants to be shipped to his store in Duluth.

A new white hope has been discovered on the local market. He is a pretty husky fellow and weighs 245 pounds. Who is he?

Johnson & Chronis report business as good, with the prospects very bright for Easter.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones } Randolph 5449
Automatic 43-521

J. F. KIDWELL Pres.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres
G. C. WEILAND, Sec'y.

Large Supply

OF HIGH GRADE STOCK

For Easter

**Killarney Roses, Lilies, Valley,
Violets, Carnations, Sweet
Peas, and all other
Seasonable Stock.**

Pot Lillies, good 12½c per bud; short 10c per bud.

EASTER PRICE LIST—In Effect April 1.

GRADE—	A	B	C	D	E	F	G
American Beauties.....per dozen	\$ 6 00	\$ 5 00	\$ 4 00	\$ 3 00	\$ 2 50	\$ 2 00	.....
Killarney.....per 100	12 00	10 00	8 00	6 00	5 00	4 00	.....
White Killarney.....	12 00	10 00	8 00	6 00	5 00	4 00	.....
Richmond.....	12 00	10 00	8 00	6 00	5 00	4 00	.....
My Maryland.....	12 00	10 00	8 00	6 00	5 00	4 00	.....
Perle.....	12 00	10 00	8 00	6 00	5 00	4 00	.....
Maids.....	12 00	10 00	8 00	6 00	5 00	4 00	.....
Brides.....	12 00	10 00	8 00	6 00	5 00	4 00	.....
Carnations.....	5 00	4 00	3 00	2 00			.....
Callas.....	15 00	12 50					.....
Easter Lilies.....	15 00	12 50	10 00				.....
Orchids, Cattleyas.....	50 00	35 00					.....
Lily of the Valley.....	4 00	3 00	2 00				.....
Violets, Princess of Wales.....	1 00	75					.....
“ single and double.....	1 00	75					.....
Sweet Peas.....	1 00	75	50				.....
Mignonette.....	4 00	3 00					.....
Daffodils.....	4 00	3 00					.....
Tulips, Pink Novelty.....	4 00						.....
“ assorted colors.....	4 00	3 00	2 00				.....
Jonquills.....	4 00	3 00					.....
Daisies.....	1 50						.....
Asparagus Plumosus Sprays.....	4 00	3 00	2 00				.....
Asparagus Sprengeri Sprays.....	4 00	3 00	2 00				.....
Mexican Ivy, \$5.00 per 1000.....	80						.....
Smilax.....	25 00	16 00					.....
Adiantum.....	1 00						.....
Galax, Green or Bronze.....per 1000	1 00						.....
Ferns.....	3 00	2 50					.....

Easter Cut Flowers

We are enabled to supply you with a complete line of all kinds of Cut Flowers. Place your orders early.

Our Chicago Grown Double Violets are the best on the market. They took **First Prize** at the Chicago Flower Show, March 15th, 1912.

Easter Lilies, \$12.50 to \$15.00 per 100

EASTER PRICE LIST

	Per dozen	Per 100
American Beauties, extra select	\$5.00	\$2.00 to \$4.00
" " 24 to 30-in.	\$3.00 to 4.00	3.00 to 4.00
" " 18 to 20-in.	2.50 to 3.00	.75 to 1.00
" " 15-in.	2.00	1.00 to 2.00
" " 12-in.	1.50	2.00 to 4.00
" " short	1.00	3.00 to 4.00
Per 100		
Killarney	\$5.00 to \$12.00	
Killarney, white	5.00 to 12.00	.75 to 1.00
Richmond	5.00 to 12.00	
ROSES, OUR SELECTION	\$4.00	
Violets, single	.75 to 1.00	
Violets, double	.75 to 1.00	
VIOLETS, Double Chicago Grown	1.25	
Pansies	1.00 to 1.50	
Pansies, extra long stems, with foliage	1.50 to 2.00	
Carnations		\$2.00 to \$4.00
Daffodils, Jonquils		3.00 to 4.00
Sweet Peas		.75 to 1.00
Daisies		1.00 to 2.00
Tulips		2.00 to 4.00
Lily of the Valley		3.00 to 4.00
Callas	per doz., \$1.50 to \$2.00	
Adiantum		.75 to 1.00
Asparagus Plumosus strings, each	50c to 60c	
" Sprengeri		2.00 to 3.00
Smilax	per doz., \$2.00 to \$2.50	
Mexican Ivy		.75
Fancy Ferns, Select	per 1,000, \$3.00	.40
Galax, per 1,000	\$1.00	
Boxwood	per bunch, 25c to 35c	

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

J. B. DEAMUD CO., WHOLESALE FLORISTS
160 N. Wabash Avenue Chicago
L. D. Phone, Central 3155.

Frank Oechslein has purchased a 35 h. p. Grabowsky delivery car for use in his ever increasing business. He has enjoyed a fine Easter plant trade and is pretty well sold out of blooming stock.

Visitors: Peter Obertin, Kenosha, Wis.; Charles and John Frueh, with Frueh & Sons, Saginaw, Mich.; Paul M. Palez, with Vestals, Little Rock, Ark.; W. B. Perry and daughter, Cresco, Ia.; Arthur J. Graves, secretary and superintendent of the Bloomington Cemetery Association, Bloomington; Herman Leitz, Fort Wayne, Ind.; Henry Herman, New Hampton, Ind.

Park Vacancies.

On April 29 examination for garden-er and pruner, wages \$55 to \$60 per month. On April 30 examination for florist, wages \$70 to \$75 per month. Application blanks may be had at office of South Park Board, 57th street and Cottage Grove avenue.

Chicago Bowling.

Individual and team scores for games played Wednesday, March 20:

Carnations.		Orchids.	
Lorman ..146 154 153	Krauss ..150 176 166		
Winters'n ..105 106 134	Graff ..223 173 142		
Schultz ..141 190 157	Van Geld'r ..137 219 147		
Ballif ..190 204 142	Farley ..170 212 127		
A. Zech ..191 148 211	Huehner ..221 164 121		
Totals ..773 802 797	Totals ..901 944 703		
Violets.		Roses.	
Schlossm'n 104 147 186	Stack ..165 143 151		
Bernies ..210 140 139	Schlossm'n 199 126 107		
Block ..167 190 178	Welch ..88 154 150		
Goerlich ..197 159 184	Wolf ..175 171 117		
Totals ..678 636 687	Totals ..627 594 505		

ALAMEDA, CALIF.—Fire which destroyed the boiler house and adjoining greenhouse of Rocco Lavaginino caused a loss of \$700, March 9.

Montreal.

PREPARING FOR EASTER.

Lent has been felt but very little by the trade here this year, the business on Saturdays is of the best, and everything is sold out. During the week some days remind us of the Lent of years ago, but the funeral work and week ends make us forget about it again. Easter plants are coming along nicely, lilies have required heavy forcing this year and growers declare they will try some other variety than black stem Giganteum for early Easter next time, either Harrisii or Formosum. Pot roses in all varieties are well understood and will be in on time, as will spiraeas, but there will be very few hydrangeas. Bulbous stock, of course, will be plentiful. Of cut flowers we will have to hear yet, for the local product is insignificant.

NOTES.

The committee of the Canadian Horticultural Association met in this city Monday, March 18, ten members being present. The preliminary convention programme was adopted. The dates will be August 6-9. The papers to be read were decided on and as soon as those gentlemen have consented their names will be published. The secretary also was instructed to write the Dominion government requesting that owing to the large amount of horticultural produce imported into the ports at Toronto and Montreal and the perishable nature of the same, a competent appraiser be appointed in each city. The tariff question also was talked over, and when the much discussed and permanent tariff commission is appointed by the government, a commission will go before it when it sits in the different towns and cities, and the florists were requested to come to a thorough understanding so that they will ask



American Beauties, Roses, Carnations, Orchids, Gardenias, Valley, Violets, Daisies, Lilies, Etc. Greens.
At lowest market rates

Weiland & Risch

154 N. Wabash Ave., CHICAGO.

for the same duties all over the country.

A. C. Wilshire, president of the Canadian Horticultural Association, and Wm. C. Hall, president of the Montreal Gardeners' and Florists' Club, have gone to New York to participate in the twenty-fifth anniversary of the New York Florists' Club.

Visitors: E. Mepstead, Ottawa; T. Manton, Toronto; A. Fraser, Prescott; J. Connon, Hamilton; H. B. Cowan, Peterboro; J. Bennett, Lachine.

LUCK.

ROCK CITY, N. Y.—Battendorf Bros. have purchased the Shaffer violet houses.

Easter Price List

A. grades of cut stock in ample supply, especially Easter Lilies either in Pots or cut blooms. "Well packed stock is half sold."

Subject to change without notice. In effect April 1

ROSES	
Beauties—	Per doz.
Long stems.....	\$ 6.00
30 to 36-inch stems.....	5.00
20 to 24-inch stems.....	\$3.00 to 4.00
15 to 18-inch stems.....	2.00 to 2.50
12-inch stems.....	1.50
	Per 100
Killarney, special.....	\$12.00
" fancy.....	8.00 to 10.00
" good.....	5.00 to 6.00
White Killarney, special.....	12.00
" fancy.....	8.00 to 10.00
" good.....	5.00 to 6.00
Richmond, special.....	12.00
" fancy.....	8.00 to 10.00
" good.....	5.00 to 6.00

ROSES-Continued.		Per 100
Maryland.....	\$5.00 to \$12.00	
Gate or Uncle John.....	5.00 to 10.00	
Perle.....	5.00 to 8.00	
Roses, our selection.....	4.00	

GREENS		Per 100
Asp. Plumosus...per string,		\$0.50
Asp. Plumosus Sprays,bunch,	\$0.35 to	.50
Sprenger.....per bunch,	.25 to	.35
Adiantum.....per 100,		1.00
Smilax, choice.....per doz.,	1.50 to	2.00
Fancy Ferns.....per 1,000,		3.00
Galax Leaves.....per 1,000,	1.00 to	1.25
Boxwood.....50 ^{lb} . case,		7.50
Mexican Ivy—		
Per 100.....		.60
Per 1,000.....		5.00

CARNATIONS Per 100	
Carnations.....	\$ 3.00 to \$ 4.00
" special fancy....	5.00

EASTER LILIES Per 100	
Select.....	\$12.50
Shorter.....	8.00 to 10.00

MISCELLANEOUS Per 100	
Callas.....	\$12.00 to \$15.00
Valley.....	3.00 to 4.00
Sweet Peas.....	.75 to 1.25
Tulips.....	3.00 to 4.00
Daffodils.....	3.00 to 4.00
Jonquils.....	3.00 to 4.00
Mignonette, doz., 35c to 75c	
Violets.....	.50 to 1.0

PLACE ORDERS EARLY

E. H. HUNT,

131 N. Wabash Ave.,

Chicago

Mention the American Florist when writing

Davenport, Iowa.

Business for the past two weeks has been ordinary. Funeral work being mainly responsible for most of the orders that have been coming in. Lent in these parts seems to play no little part in the curtailing of the florists' business—as very few social affairs of any great magnitude take place during this period. There has been an abundance of almost everything and with the cold, bright weather, flowers have been of the very best. Carnations were never better, as can also be said of roses and bulb-stock. Everything points to a good Easter business, as many inquiries are already coming in, and there will no doubt be plenty of everything to meet the demand. Lilies, at nearly every establishment visited, are looking fine, and there will be enough to go around. Five degrees above, 18 inches of snow, 3½ feet of frost in the ground on March 24 is something we have not had for over 40 years. All florists are hoping that the conditions will be different Easter week.

CLUB MEETING.

The annual meeting of the Tri-City Florists' Club was held on the evening of March 22, at the home of Henry Gaethje at South Rock Island, with nearly every member present. One new member was elected, and a review of the year gone over. "The Storage of Bulbs" was the evening topic, and as every member has had some exciting times getting the bulbs in this winter, some very good ideas were brought out, mainly, a cave or cellar for the storage of bulbs, where they would be accessible even at 27 degrees below and nearly four feet of frost, as was experienced this win-

— 35,000 —

Pot Lilies for Easter

— ALSO —

Pan Tulips and Pan Hyacinths.

Come and look over my stock—it is exceptionally fine and bound to please you.

LOCAL ORDER'S PREFERRED

PETER SROCZYNISKI,

1523 North Harding Avenue — — — CHICAGO.

ter. As many are going to build, or rebuild, it was decided to have the topic next month, Modern Buildings—Wood vs. Iron Gutters—Wood vs. Cement Benches—and Modern Heating Plants. As some have had different experiences with the modern houses and heating plants, all look forward to a very interesting meeting.

The banquet was of course the most interesting affair of the evening. Chairman Boehm reporting everything in readiness for the greatest affair ever held by the local society. The Outing club, the most beautiful club house in this part of the country, has been procured for the occasion, and the chef has been given instructions to do his level best. Music, dancing and vaudeville will follow the banquet, and Mr. Boehm promises that there

ROSES

Killarneys, White Killarney and Richmond.
\$3.00, \$4.00 \$6.00 \$8.00 \$10.00 per 100.

Red, White and Pink Carnations,
\$2.00, \$3.00 \$4.00 per 100.

Easter Lilies, \$12.50 per 100. Callas, \$12.50

Sweet Peas, 50c to \$1.00 per 100.

Bulbous Stock and Greens
of all kinds.

W. E. Trimble Greenhouse Co.

56 East Randolph St., CHICAGO.
Phone Randolph 3671.

Mention the American Florist when writing

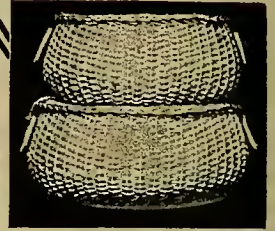
to get a good assortment of
It's Not Too Late Raedlein Imported Baskets
For YOUR EASTER TRADE



You can safely leave the selection of the baskets to us, because we are in business here to stay.—We want your patronage both now and in the future, therefore we will do our best to please you. Let us send you one of our

Easter Assortments from \$5.00 up

A nest of fine willow fern baskets, like those shown here, stained either brown or green, will be included if desired; also one or two of these beautiful rattan baskets for plants or cut flowers. Send us your check for the amount you wish to spend—we will immediately ship the assortment to you. If you don't like the baskets when they arrive, return them to us and we will promptly refund your money. These baskets are all newly imported stock—no left-overs in our assortments.



No time to lose, so send your order today to

The Raedlein Basket Co., 713 Milwaukee Ave.,
CHICAGO

E. F. WINTERSON CO.

166 N. Wabash Ave.,
CHICAGO

Wholesale Cut Flowers and Green Goods.

Cut Flowers

FOR EASTER

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

will be something doing every minute. The visitors who have accepted invitations and will take part in the programme are: J. C. Vaughan, August Poehlmann, President Foley, of the Chicago Florists' Club of Chicago, Wesley Green, secretary Iowa Horticultural Society, and J. S. Wilson, of Des Moines, A. Ankney, J. W. Davis, of Bettendorf and several other notables of nearby towns, whom the committee have invited to attend. The decorations will no doubt surpass anything in grandeur and splendor that has ever been attempted, and the ladies of the 400 have been invited to view the show between the hours of five and six on the day of the banquet, Thursday, March 28.

Officers for the new year were elected as follows:

Theodore Ewoldt, president.
 Henry Pauli, vice-pres., Davenport.
 Ludwig Staff, vice-pres., Rock Island.
 A. Anderson, vice-president, Moline.
 John T. Temple, secretary.
 Harry Bills, financial secretary.
 Wm. Knees, treasurer.
 Wm. Goos, Carl Zimmerman, R. H. Rohlf, executive committee.

After the election the members sat down to a fine supper which was served by the hostess and her daughters which was greatly enjoyed, a hearty vote of thanks being extended the royal entertainers for their hospitality. Harry Bills will entertain the club at his home for the April meeting on the evening of April 11.

NOTES.

The smile on John Staack's face is not there because he has coal enough to last all winter or that spring is

near, or that his lilies and other flowers are in fine shape for Easter. It was placed there to stay when his wife presented him with a son.

R. H. Rohlf, the Alta Vista Nursery man, is a victim of the auto bug, and has bought a fine delivery car of the combination type—pleasure and delivery car in one—the bodies being removable.

Harry Bills' little daughter has been in the hospital for the past three weeks with typhoid fever, but is improving, and may be sent home in a few days.

Grandpa Julius Staack has been confined to his room for some time with lagrippe. We are glad to report him improving. T. E.

Boston.

SPRING OPENS WITH A BLIZZARD.

Spring opened here with a young blizzard following the warm, spring-like weather we were having, and the change was very apparent, peekaboo waists and straw hats were called in, and furs and overcoats brought out again. Business is somewhat better, but it is hard to know where to find the pulse so as to diagnose the case. There is no special call in any line of goods, and no scarcity of anything. These are the conditions and there is no use preaching a long-winded sermon on nothing.

NOTES.

The spring show of the Massachusetts Horticultural Society opened at Horticultural hall March 22. Its glory has dwindled to a corporal's guard of its former self. Peter Fisher

U S Budlong's E Blue Ribbon Valley.

showed a splendid vase of Benora. The principal attraction was the Italian Garden by R. & J. Farquhar & Co., a copy of the sixteenth century. James Farquhar was the constructive head and the way the work is finished places him as an artist of high order. It was a big piece of work, not speaking of the expense attached, and the opinions from professional men who have seen it, agree it is a masterpiece. There was a row of long forsythias in bloom, and these were interspersed with cedars, cyclamen, begonias, tulips, blooming shrubbery and spring flowers, which with the fountains, made it something worth seeing. The Gardeners' and Florists' Club attended in a body Tuesday evening, on the invitation of R. & J. Farquhar, and were shown the fine points by the builder, James Farquhar. A committee was appointed to invite President Taft to attend the exhibition, but his secretary said it was impossible as the time schedule would not admit of his being present. At the banquet of the Irish Charitable Society, at which the president was the guest of honor, he told P. Welch that if time had permitted he should have been exceedingly glad to have viewed the exhibition, but

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House,

68 E. Randolph Street,

Phone Central 1496.

CHICAGO.

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. E. H. HUNT CHICAGO, ILL.

hoped some other time to have the pleasure of seeing some of Boston's floral handiwork. We were somewhat carried back to the days when the miniature gardens were designed on wooden forms, with their tiny walks and well laid out flower beds, which helped many a man in after years to become a landscape gardener.

We were rather surprised with the lecture given by J. Otto Thilow before the Baltimore Gardeners' and Florists' Club. In his list of pioneers there seems to be a general sidestepping or ignorance of those who were pioneers. We are proud of those pioneers, they hewed the way and blazed paths along which we later-day heroes have found it much easier than those who went ahead. We will mention a few of the men of national prominence and just why they were omitted in the pioneer list we don't know. Fred L. Harris, J. N. May, E. M. Wood, M. A. Patten, Robert Simpson, Alex. Montgomery, W. A. Manda, P. Welch, Robert Farquhar, Fred. Mathieson, Wm. Nicholson, L. Cotter, W. W. Rawson, George C. Watson, N. F. McCarthy, Joseph Tailby, and it might not be bad to mention John G. Forbes, the man who learned Adolph Poehlmann to grow roses. We are proud of all the pioneers, each one has made his particular mark and cut his notch deep into the horticultural or floricultural barks, and there is no excuse for their being omitted in any lecture on that class of men.

The Simmons bill for the prevention of diseases on imported stock is causing some contention here. America has been the dumping ground for all European countries, and we are reaping our reward for the easy entry for such stock. If the bill becomes a law, it may work harm to New England in general. We have the gipsy and brown tail moths, and by the provisions of the bill any state with anything of that nature can be quarantined. That would of course shut out our nursery men from shipments to other states. Our nurseries invariably are as clean and well kept and free from insect pests as there can be found, but so long as the vermin are in the state it will be a hardship which may be felt by many nurserymen.

There seems to be a change coming in greenhouse lumber. Last week we were shown a piece of sash bar made from California redwood that is to be used by the King Construction Co. in the large houses to be erected by the Montgomery Rose Co. at Hadley. We all know the difficulty of getting oil into cypress, unless the wood is tank soaked. The redwood seems to be a wood that will take oil as well as pine, and the lasting qualities are

Wholesale Flower Markets

CHICAGO, Mar. 27.	Per doz.
Roses, Beauty, specials.....	6 00
" " 36-in.....	5 00
" " 30-in.....	4 00
" " 24-in.....	3 00
" " 15-20-in.....	1 50@2 00
" " 12 in.....	1 00
	Per 100
" " Short.....	6 00
" Killarney.....	4 00@12 00
" White Killarney.....	00@12 00
" Richmond.....	4 00@12 00
" Prince de Bulgarie.....	8 00@15 00
" Mrs. Aaron Ward.....	8 00@15 00
" My Maryland.....	4 00@12 00
" Perle.....	3 00@10 00
" Melody.....	8 00@15 00
" Bride.....	3 00@10 00
" Bridemaid.....	4 00@12 00
" Uncle John.....	4 00@8 00
" Mrs. Jardine.....	4 00@12 00
Carnations.....	3 00@5 00
Cattelysa..... per doz.,	4 00@6 00
Dendrobium Formosum.....	5 00@6 00
Daffodils.....	3 00
Gardenias.....	3 00@5 00
Lilium Harrisi..... per doz.,	1 00@12 50
Mignonette.....	4 00
Spanish Iris.....	6 00@8 00
Sweet Peas.....	75@1 25
Freeasias.....	3 00
Stocks, single..... per bunch,	50@1 00
double.....	50@1 00
Tulips.....	3 00@4 60
Valley.....	3 00@4 00
Jonquilla.....	3 00
Violets, Single.....	75@1 00
Double.....	75@1 00
Adiantum Croweanum.....	1 00
Boxwood..... per bunch,	25
Ferns..... per 1000,	2 50@3 00
Galax bronze.....	1 00
green.....	1 00
Leucothoe.....	75
Plumosa String..... each,	50@60
Smilax..... per doz.,	1 50@2 00
Sprenger, Plumosa Sprays.....	3 00@4 00

claimed to be as long. We were told of sash that had seen 42 years' wear and where the cuts were in the tenon, were just as fresh as when made. We don't know whether it will be cheaper than cypress, but if it will hold the paint longer, then it will be something that will cut expenses to the grower.

Welch Bros. report Easter orders are coming in earlier than usual, and individual orders are heavier.

Samuel Ertracht, representing Wertheimer Bros., New York, was a recent visitor.

Weather, Sunday, northeast blizzard, turning to rain.

Visitor: W. A. Manda, South Orange, N. J. MAC.

HAVERHILL, MASS.—Charles H. Kaulbach, whose home and greenhouses were recently burned, has opened a store in Odd Fellows block, 28 Main street.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

WIETOR BROS.

Wholesale Cut Flowers
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

U S Budlong's E Blue Ribbon Valley.

BOSTON, MASS.—The Brecks' Club, an organization of the salesmen connected with the Joseph Breck & Sons Corporation, held its monthly dinner and meeting March 23, and were entertained with an illustrated lecture of the seed and bulb fields of Europe.

St. Louis.

CHANGEABLE WEATHER.

The weather is very changeable. On Sunday morning there was a heavy snowstorm, which by noon had ceased and the probabilities are that there will be warmer weather. Stock in some lines is much shorter, violets and sweet peas being the most noticeable. Carnations seem plentiful, but the supply for Easter is guess work. With good weather an ample supply is expected. Lilies are also plentiful, but fancy ferns are scarce. Blooming plants are coming into the market in increased quantities and a good supply is expected for Easter.

NOTES.

H. J. Weber, president of H. J. Weber & Son's Nursery, stated the peach crop in this vicinity is almost entirely destroyed, and California privet was nearly all killed by the very severe early frost in November. There will be plenty of cherries, apples and plums and bumper crops of all cereals on account of the large amount of moisture left in the soil by the heavy snows.

Wm. C. Smith Wholesale Floral Co. announce they have affiliated with them as vice president Frank A. Windler, brother of George B. and Robert J. Windler, president of the St. Louis Florist Club, and he has been with them for a number of years.

The trustees of Shaw's Garden are inquiring into the will of the late Henry Shaw as to the opening of the Garden on Sunday.

The fixtures of Dunford's store have been sold by J. J. Beneke to Wm. C. Smith of the Wm. C. Smith Wholesale Floral Co.

Some fine Radiance roses are seen at Geo. H. Angermueller's from W. J. & M. S. Vesey, Fort Wayne, Ind.

Hugo Gross and his two brothers are bringing in large quantities of violets, sweet peas and carnations.

Otto Sander was smiling Saturday. A bouncing girl had arrived and he was a happy father.

W. J. Pilcher's Mizzura violet is still seen in the market and is bringing a good price.

V. J. Gorly left for Chicago Monday night to look after the Easter stock.

Ostertag Bros. were very busy with store openings during the past week.

Park Commissioner Dwight has planned five gorgeous flower beds.

Frank Gorly has joined the Moose. Visitor: Martin Renkauf, W. F.

Milwaukee.

STOCK PLENTIFUL.

The market conditions remain practically the same as the week previous, with plenty of stock, much of which is selling at almost any price that can be obtained.

NOTES.

Gust Rusch & Co. are making extensive improvements in their store which will give them more room for their increasing business.

W. C. Zimmermann bowled at Chicago last week with the Eagles and reports a good time, but with poor success in the bowling.

Fred C. Schmeling has a fine display of Easter lilies which are being handled by G. Rusch & Co.

C. C. Pollworth Co. are right on crop with carnations and roses and a fine lot of Easter lilies.

Holton & Hunkel Co. are rapidly selling their fine stock of Easter plants.

The bowling scores this week were as follows:

Guthrod	167	171	158	Nohos	140	161	155
Holton	154	145	145	Rusch	165	133	164
Pohl	150	141	131	Hare	144	149	111
Hunkel	136	198	155	Schmitz	120	124	
Halliday	125	144	167	Oestricher	119	120	105
Lietz	111	111					

—THE—
J. M. McCullough's Sons Co.,
 Wholesale Commission Florists.
 —CONSIGNMENTS SOLICITED.—
 Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.
 Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
 Phone Mala 534.

Wholesale Flower Markets

CINCINNATI, Mar. 27.

Roses, Beauty.....	per doz.,	50@	5 00
"	Bride, Bridesmaid.....	3 00@	10 00
"	Killarney.....	3 00@	10 00
"	My Maryland.....	3 00@	8 00
"	Perls.....	3 00@	5 00
"	Richmond.....	4 00@	12 00
Carnations.....	2 00@	3 00	
Freessias.....			2 00
Lillum Giganteum.....	10 00@	12 50	
Lily of the Valley.....	3 00@	4 00	
Narcissus.....			2 00
Jonquils.....	3 00@	4 01	
Sweet Peas.....		35@	50
Violets, double.....			50
"	single.....		75
Adiantum.....			1 00
Asparagus Plumosus.....	per bunch,	25'	
Asparagus Sprengerii.....	per bunch,	25'	
Tulips.....			3 00
Romans.....	3 00@	4 00	

ST. LOUIS, Mar. 27.

Roses, Beauty, medium stems.....	25 00@	30 00	
"	short stems.....	2 00@	4 00
"	Bride, Bridesmaid.....	3 00@	4 00
"	Killarney.....	4 00@	8 00
"	My Maryland.....	3 00@	10 00
"	White Killarney.....	4 00@	8 00
Carnations.....	1 50@	2 00	
Callas.....	10 00@	12 50	
Easter Lilies.....		10 00	
Valley.....	3 00@	4 00	
Asparagus Sprengerii.....	2 00@	3 00	
Violets, Single.....	35@	50	
Peas.....	4 @	60	

Cincinnati.

SUPPLY ADEQUATE.

The weather and the market seem to be running each other a race to see which can be the most variable. One day the temperature is down to freezing and a winter weight coat is necessary; the next day we have the most beautiful spring weather. Just so is the market varying. Last week started splendidly, on Monday everything cleaned up nicely, on Tuesday all lines began to crowd, and the next day were really crowded. The latter part of the week used up practically all the surplus stock. The first two days of this week resembled closely the corresponding days of last. Practically every flower is in adequate supply. Now and then one may run short, but that is the exception rather than the rule. Most all orders are being taken care of as they come into the wholesalers. The quantity of the supply has, however, dropped somewhat and has given the market a much firmer tone. Roses of all kinds and carnations are naturally enjoying the largest sale. The offerings in both leave nothing to be desired as far as quality is concerned and the supply is as stated, ample. Longiflorum, Giganteum, Harissii and callas are coming to the front nicely as Easter approaches. The receipts are large and good, while the request is fair. Smaller bulb stock is in short supply, but is easily sufficient for almost all demands for it. Sweet peas with decreased numbers clean up better than they did for a time. Violets

WM. C. SMITH
Wholesale Floral Co.
 WHOLESALE FLORISTS
 1316 Pine St.,
 Both L. D. Phones. **ST. LOUIS, MO.**
 Supplies and Everything in Season always on hand

Fresh Cut Valley
 AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
 1312 Pine St., **ST. LOUIS, MO.**
 A Complete Line of Wire Designs.

THE MUNK FLORAL CO.
 Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio
 Wholesale Growers of
EASTER LILIES, Ferns and
 Decorative Greens
 Write for prices
Telephone West 562.

C. E. CRITCHELL
 34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
 Complete Stock of Florists' Greens and Supplies

H. G. BERNING
 Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

EASTER LILIES
 (CUT BLOOMS.)
 Choice quality always on hand at market
 prices, also all other seasonable stock.
GEO. H. ANGERMUELLER,
 Wholesale Florist,
 1324 Pine Street, **ST. LOUIS, MO.**

are a back number as far as being active factors in a business way. Most of them taken up are utilized for funeral work. There is a strong call for decorative greens, both locally and out of town.

NOTES.

Wm. Niehaus, formerly with Fred Gear, will open a retail store at 1407 Vine street at the end of this week.

Mrs. L. H. Kyrk has returned after a five week's stay at the bedside of her sick mother.

C. E. Critchell is meeting with a good call for supplies, particularly sheaves.

Visitors: Frank Farney, of M. Rice & Co.; Frank Reukauf, of H. Bayersdorfer & Co.; Ed. Fancourt, of S. S. Pennock-Meehan Co., Philadelphia; M. Ford, representing A. Herrmann, New York.

SPRINGFIELD, O.—The American Rose & Plant Co. has been issued a permit to erect a \$2,500 addition to its greenhouses.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

Columbus, O.

Frank Vierick and Joseph Helanthal of this city visited Chicago last week for the purpose of seeing big things in the floricultural and horticultural lines. Upon arriving at the Windy City they called at Poehlmann Bros. Co.'s salesroom. After inspecting the stock of flowers grown by these people there, genial T. E. Waters, who is well known as entertainer and guide for all visiting florists who come his way, took them for a visit among the wholesale houses. On Thursday a trip was made to Morton Grove, accompanied by Fred Longren, with E. H. Hunt, and Robt. Newcomb of Vaughan's Seed Store. August Poehlmann escorted the party through Plants A and C. A short rest was then in order, so sojourning to the Wayside Inn, a sumptuous meal was indulged in. After dinner a snow ball fight was had, bringing back to their minds the frolics of boyhood days. It was declared a draw until Newcomb had his face washed by Waters and then it meant a pitched battle between these two salesmen. At Plant B Adolph Poehlmann guided the party about. In speaking about what they saw it would take too much space, but when one sees three large houses of lilies ready for Easter; house after house of carnations in full crop; American Beauty roses with every prospect of unlimited supply; lily of the valley coming and going; the same with sweet peas. At Plant C stock of the newer variety of roses, such as Mrs. Taft, Mrs. Aaron Ward, Melody, Sunburst and Lady Hillingdon, all benched and showing up nicely, it is doubted if any better stock could be shown in the country than was being cut there. At night Mr. and Mrs. Fred Longren entertained the party at their home. A bountiful spread was laid, after which a friendly game of cards was played. As the limit was small, no one went broke. The next morning Mr. Newcomb escorted Mr. Vierick and Mr. Helanthal to Western Springs to visit Vaughan's Greenhouses and trial grounds. Stock was in excellent condition, so they were well pleased with the trip. Upon returning to the city Mr. Cropp of Vaughan's Seed Store invited the party to lunch, after which they went to Frank Oechlin's well known greenhouses. In the evening a visit was made to all the leading downtown retail florists, one which was the most impressive being John Mangel's new store in the Palmer House, which is believed to be the finest and most artistically decorated retail establishment in the west. With every assurance of having had a trip that will not be forgotten, Mr. Vierick and Mr. Helanthal left on the Panhandle to be on the job for Saturday.

Cleveland.

ANOTHER COLD SNAP SHORTENS SUPPLY.
The conditions of the market are improving as Easter approaches, and stock of all kinds promises to be in abundant supply. Easter lilies and bulb stock in pots, as well as all the other Easter plants, are in good shape, and a few days of sunshine will help all. Advance orders and inquiries for Easter cut flowers are very gratifying

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 3209. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.



**A Good Place to Buy Cut Flowers.
Palms, Ferns**

**Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.**

Wholesale Flower Markets

MILWAUKEE, Mar. 27.

Roses, Beauty..per doz., 1 CO@	4 00
" Killarney	3 00@10 00
" Richmond	3 00@10 00
" White Killarney	3 00@10 00
Carnations	1 00@ 3 00
Lilium Giganteum.....	8 00@10 00
Lily of the Valley.....	3 00
Paper Whites.....	2 00@ 3 00
Snappdragons	per bunch, 35@ 75
Violets.....	50@ 75
Adiantum.....	1 50
Asparagus.....	per string, 50@ 75
" Sprengerl, per bunch.	25@ 35
Ferns, Fancy.....	per 1000, 2 00
Galax. green.....	per 1000, 1 50
" bronze.....	per 1000, 1 50
Smilax.....	per doz., 1 75
Wild Smilax.....	per case, 5 00

and everyone is looking forward to do a good Easter business. Carnations at present are quite plentiful but the demand is improving and they are moving nicely. The cold snap has again reduced the supply of some stock, but with a few days of warm sunshine they will be with us again. Callas are plentiful.

NOTES.

Frank Brendel, formerly with the Ehrbar Floral Co., has opened a retail store on Lorain avenue near West Twenty-fifth street. Frank has many friends and promises to be a factor in the florists' business on the West Side.

A nine-pound baby girl was added to the family of Chris B. Wilhelmly this week. Congratulations.

John Ruck of the John C. Moninaer Co., reports a good business in and around this city. C. F. E.

ATLANTIC CITY, N. J.—N. R. Thoms of Egg Harbor City has opened another store in the Hotel Strand in addition to the one he conducts at 1315 Pacific avenue.

Seattle Cut Flower Exchange

Removed to
1608 Second Ave., SEATTLE, WASH.

Everything in Cut Flowers, Greens, Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Monmouth County Horticultural Society.

The Monmouth County Horticultural Society held its semi-monthly meeting March 22. It was decided to hold the fifteenth annual chrysanthemum exhibition November 7 in St. James hall, Red Bank, N. J., and the preliminary schedules have been ordered printed. One new and two honorary members were elected. Dr. W. S. Whitmore will give a lecture at the next meeting April 12. The meetings of this society are held on the second and fourth Fridays of each month.

N. BUTTERBACK, Secy.

Albany, N. Y.

At the last meeting of the board of contract and supply the contract for two power spraying machines was awarded to the Fitzhenry-Cuptill Co., Boston, for \$1,275 each. The amount of the bid, including hose and appliances, was \$2,793. The machines will be used upon the trees in the park system and city streets. R. D.

Headquarters for Greens of All Kinds

Ferns, Dagger.....	per 1000, \$2.00	Leucothoes, long sprays.....	per 100, \$0.75
Ferns, Fancy.....	per 1000, 2 00	Mex. Ivy.....	per 1000, 7.50
Galax, Green and Bronze.....	per 1000. 1.00	Wild Smilax.....	per case, 6.00
Galax, Green and Bronze.....	per case, 7.50	Boxwood.....	50-lb. case, 6.00
Moss.....	large bales, \$2.00		

THE LEO NIESSEN CO.,

Wholesale Florists,

12th and Race St., PHILADELPHIA, PA.

Philadelphia.

FAIR MARKET FOR CHOICE STOCK.

Weather conditions were better for the past week, but the trade did not improve to any great extent. It is the lull before the holiday. Stock is plentiful, but there appears to be a fair market for the choice and some of the medium grades, while the lower lines are offered for very small prices, and are seen piled up in all the wholesalers' ice boxes. American Beauties are quite plentiful and appear hard to move even at low prices. The flower lovers appear to have lost their great admiration for the rose as it certainly is not as popular as it used to be. Killarneys can be depended on at all times, and people do not seem to tire of them. Carnations are very fine and plentiful, but cheap. Snapdragon is getting overstocked. Single violets are beginning to get smaller and have less substance. The street men dispose of large quantities. Sweet peas sell as well as anything. Bulbous stock is not quite so plentiful. Southern arbutus is in and sells well as the first usually does. Easter lilies are in full stock in all the houses. There are some very choice flowers seen, it would seem as if there will be no scarcity at Easter.

NOTES.

At Leo Niessen Co.'s busy market they are kept hustling handling their immense stock. Captain Leo says that they get away with it all, their large shipping demand being a big factor. They anticipate a large Easter business. A great stock of American Beauty roses is a feature here.

D. T. Connor of the Foley Mfg. Co., Chicago, has the order for a house 28x83 feet for E. C. Marshall, Kennett Square, and is about closing with several other growers who managed to save enough out of the coal money for a house or two.

John Walker, of Youngstown, O., was one of the visitors of the week. We are always glad to see John and hear his hearty good-natured laugh. He looks prosperous, says that he is getting ahead and working hard with that end in view.

Joseph Heacock says the first carload of lumber for the new 72x600 foot house at Roelofs has arrived from the Lord & Burnham Co., and the erection will commence at once. The contract calls for completion by the middle of May.

The S. S. Pennock-Meehan Co., who handle quantities of plants at Easter through their growers, say their sales so far have been very satisfactory. They anticipate a good all around Easter.

Berger Bros. early in the season laid lines for a stock of Easter plants, and have booked some nice orders the past week.

The 55x300 foot rose house for Myers & Samtman's addition at Chestnut Hill is to be erected by the Lord & Burnham Co.

M. Rice is recovering slowly, but not as fast as his friends would like. His trouble is a nervous breakdown.

K.

SCHENECTADY, N. Y.—Charles W. Limmer has opened a new store at 150 Barrett street.

EASTER LILIES

GIGANTEUM, Best Quality,

12c per bloom, cut or in pots

Place your orders with us for now and Easter. Our Specialties:

ROSES.

Mrs. Aaron Ward, Waddell, Lady Hillingdon (yellow), Rhea Reid, Beauties, Cardinal, Taft, Killarney, Maryland.

CARNATIONS.

All Standard Varieties.

VIOLETS.

Princess of Wales, Marie Louise.

Valley, Sweet Peas, Calla Lilies, Orchids, Gardenias, Paper Whites, Jonquils,

Tulips (La Reine and Murillo), Pansies, Sprengeri, Plumosus, Smilax Strings, Maidenhair Ferns, and all Seasonable Flowers.

We are the best equipped house in New England for shipping flowers. Can fill orders for everything in the cut flower line. We pack our flowers with the utmost care in order to insure safe arrival. We have pleased hundreds of customers and can certainly please you. Give us a trial order and be convinced. We handle the Stock of 100 of the Best Growers in New England. Satisfaction Guaranteed. Write, wire or telephone.

HENRY M. ROBINSON & CO.

Wholesale Commission Florists, Importers and Manufacturers of Florist Supplies, Dealers in Hardy Cut Evergreens,

15 Province Street, **Boston, Mass.** 9 and 15 Chapman Pl.

BRANCH STORE: 46 West 26th St., NEW YORK CITY.

Mention the American Florist when writing

EASTER LILIES

10c per bud or bloom. Assorted sizes our selection

We have about 2500 6-in. pots Giganteums, fine bushy plants, 10 to 18 in. above the pot, perfectly healthy. We have never had a finer lot of lilies. These are just right for table plants and the short lilies last year sold 2 to 1 better at our retail store than the taller plants and they are much cheaper to handle. Cash, please.

SMITH & GANNETT, Geneva, N. Y.

Wholesale Flower Markets

Pittsburg.

EASTER OUTLOOK.

As it seems a rule that Saturdays bring a clean up lately, the past week can be called satisfactory. Naturally one hears of Easter on every side and some very heavy buying in plants is taking place. The florists of this city get more into the plant business every year, and it is astonishing how many are sold now, at the holiday times. There probably will be plenty of short-stemmed lilies, but the long-stemmed stock will not be over plentiful, in fact the unusual winter we have experienced has fooled a good many who force lilies, with the result that they will be from one to two weeks late. Any change would be welcome to most of us, from the great glut of lilies that has been thrown on this market the past two seasons. P. Maier's old place in Woodville always figured prominently in reckoning the

PHILADELPHIA, Mar. 27. Per 100

Roses, Beauty, extra.....	35 00@40 00
" first.....	10 00@20 00
" Brides and Maids.....	4 00@10 00
" Killarney.....	4 00@15 00
" White Killarney.....	4 00@15 00
" Liberty.....	4 00@15 00
Callas.....	8 00@10 00
Cattleyas.....	35 00@50 00
Daffodils.....	2 00@ 3 00
Gardenias..... per doz.,	2 00@3 00
Lilium Harrill.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Marguerites.....	75@ 1 50
Mignonette.....	3 0 @ 4 00
Narcissus Paper White.....	1 50@ 2 50
Snapdragons.....	8 00@12 00
Sweet Peas.....	50@ 1 00
Tulips.....	2 00@ 3 00
Violets, single.....	50@ 75
" double.....	50@ 75
Adiantum.....	1 00@ 1 50
Asparagus..... per bunch,	50
Smilax.....	15 00@20 00

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock.

Also Asp. Plumosus Nanus Seed from my own plants. WRITE FOR PRICES.

W. N. ELLIOTT,

Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

Easter supply of lilies, but none will be cut there this year. It looks as though there will be very little advance in prices except probably on carnations and violets. A very fine crop of sweet peas with long stems will hit the market just right, violets are still of good quality, but a little holding back of these flowers will make a sorry looking mess. White and lavender lilac will be plentiful and fine, in fact there will be an abundance of all flowers that are on the market.

NOTES.

Gilbert Weaklen and R. J. Dashbach went east together and picked up a lot of Easter plants. They report visiting Ernest Zieger at Germantown, and state that he has the finest lot of plants they saw while away.

Samuel McClements of Randolph & McClements spent three days in the east buying Easter stock. Miss McKinley of the same firm spent a week at Cambridge Springs getting ready for the Easter rush.

Harry Graves and A. E. Gibson also spent a few days east picking up Easter novelties.

H. C. Beuchler has severed his connections as manager of the South View Floral Co.

Washington.

LILIES FOR EASTER DISAPPOINTING.

The preparations and expectations of Easter now overshadow present day business, though there was some very good business during the past week. Easter stocks, such as they are, progress favorably, considering inclement weather. The lilies, so far as we have observed, are a great disappointment, and either some of the bulb merchants are receptive candidates for the Ananias club, or some of the growers secure their help at the Salvation Army employment bureau. We will admit that there has been great advances made within recent years in cut flower growing; plant growing seems to be progressing backward. There are, in this vicinity, many very good hydrangeas and some fair pot roses and azaleas. A few years ago I asked Chas. Thorley, the leading retailer of New York, if he did not think that the profusion of other stocks was hurting the sale of lilies at Easter. Said he: "The people would buy as many lilies as they ever did, but the lilies are no good."

NOTES.

There was quite a lot of good funeral work for the victims of the Maine disaster, the funeral being held here March 24. The people of Washington, however, were not in advance of the Cubans in their tribute, for a number of designs were brought here on the cruiser Birmingham, which brought the remains, that had been laid on the coffins before they left Havana. The natural flowers were, as a matter of course, withered and dried up, but enough were left to show the grateful intent of the Cubans. There were also a number of metal designs of unique and striking make-up. The local florists had a number of fine designs for the funeral of the sailors. George H. Cooke had an exceptionally large anchor. George H. Shaffer had a reproduction of the battleship Maine, while Gude Bros. Co. and J. H. Small & Sons had some smaller pieces.

Wholesale Flower Markets

BUFFALO, Mar. 27.		Per doz.
Roses, Beauty, special.....		5 00
" " fancy.....		4 00
" " extra.....		2 50
" " No. 1.....		1 50
" " No. 2.....		50@1 00
		Per 100
Bon Silene.....		3 00@4 00
Perle.....		5 00@8 00
Maid and Bride.....		4 00@8 00
Pink Killarney.....		4 00@10 00
White Killarney.....		4 00@10 00
Richmond.....		5 00@10 00
My Maryland.....		5 00@8 10
Carnations.....		2 00@3 00
Callas.....		8 00@10 00
Daffodils.....		2 00@3 00
Daffodils, Single.....		2 00@3 00
Lilium Longiflorum.....		10 00@12 00
Lily of the Valley.....		3 00@5 00
Mignonette.....		2 00@4 00
Narcissus Paper White.....		2 00@3 00
Romans.....		2 00@3 00
Sweet Peas.....		1 @ 75
Tulips, Yellow and White.....		2 00@3 00
Violets.....		40@ 60
Adiantum Croweanum.....		75@ 1 50
Asparagus, per bunch.....	35@ 50	
Asparagus Sprengeri.....	35@ 50	
Myosotis.....	15c to 35c per bunch	

PITTSBURG, Mar. 27.		Per 100.
Roses, Beauty, special.....		30 00@40 00
" " extra.....		15 00@25 00
" " No. 1.....		10 00
" " Bride, Bridesmaid.....		2 00@6 00
" " Chateaux.....		2 00@6 00
" " Killarney.....		2 00@6 00
" " My Maryland.....		2 00@6 00
" " Richmond.....		2 00@6 00
Carnations.....		1 50@2 00
Cattleyas.....		50 00
Lilium Longiflorum.....		10 00@12 00
Lily of the Valley.....		4 00
Oncidiums.....		3 00@4 00
Sweet Peas.....		25@ 50
Violets, single.....		25
" double.....		50
Adiantum.....		1 00
Asparagus Sprengeri, per bunch.....	35	
sprays.....per bunch.....	35	

BOSTON, Mar. 27.		Per 100
Roses, Beauty, best.....		25 00@50 00
" " medium.....		15 00@20 00
" " culls.....		2 00@4 00
" " Bride, Bridesmaid.....		2 00@6 00
" " Extra.....		6 00@12 00
" " Killarney and Richmond.....		4 00@16 00
" " My Maryland.....		4 00@16 00
" " Carnot.....		6 00@12 00
Carnations, select.....		1 00@3 00
Callas.....		8 00@12 00
Cattleyas.....		35 00@50 00
Gardenias.....		20 00@25 00
Lilium Longiflorum.....		8 00@12 00
Lily of the Valley.....		2 00@4 00
Narcissus, yellow.....		1 00@3 00
" white.....		1 00@3 00
Sweet Peas.....		25@ 50
Smilax.....		12 00@16 00

Z. D. Blackistone has gone down the Potomac to shoot ducks. A telephone message advises us that he has been shooting but the connections not being very good we are unable to state whether he killed nine with one shot, killed nine in one day or fired nine times to kill one, at any rate there was a nine in it.

The Gude Bros. Co. have an exceptionally fine stock of hydrangeas coming in for Easter as well as lilies and a great variety of other plants and cut flowers.

W. F. Gude, David Grilbortzer, Otto Bauer, Geo. Shaffer and wife and Elmer Mayberry and wife attended the Baltimore Gardeners' and Florists' Club celebration.

George H. Cooke has gone to Philadelphia to look up his Easter stock. F. H. Kramer keeps the conservatory



Give us a Trial We can Please you

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists. BUFFALO N. Y. Florists' Supplies and Wire Designs.

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WHITE and LAVENDER LILAC and BEAUTIES

We are handling quantities at very reasonable prices. Also a full line of all other flowers, including Freesia, Mignonette, Pansies, Lupins, Daffodills, Double Pink Killarnies and Hilda Roses.

McCALLUM CO., Pittsburg Cleveland

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Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA

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Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

of his store will filled with flowering plants and bulbous stock and the effect is very attractive.

Morris Cohen, representing Wertheimer Bros., was a visitor last week. A. F. F.

DETROIT, MICH.—Samuel "Sprinkle-proof" Seligman, Wertheimer Bros.' representative, was a visitor last week.

NEW YORK.—The body of a man was found in the woods in Silver Lake park, Richmond borough, which was identified as that of Arthur W. Winkle, a florist. It is supposed he was murdered.

New York.

BUSINESS IMPROVES WITH THE WEATHER.

The wholesale cut flower market continues to improve, a little each day. The weather has been much pleasanter which enables the street men to get out, and they are a great factor in cleaning up the market. The prices on the higher grades of roses especially the novelties have dropped considerably. American Beauties are very plentiful, and large shipments of these are cleared out at very low figures. Carnations are still in large supply, and the prices on some varieties are a trifle better, though the bulk of the heavy shipments that are coming in are being disposed of at the low prices previously quoted. The orchid situation remains unchanged, the supply in most all lines exceeding the demand. Gardenias are of very fine quality and are moving very satisfactorily. Violets too are moving much better, but the prices do not improve, and it is only a small percentage of the shipments that sell for fair figures. Trailing arbutus and daffodils from the south have made their first appearance, and the very large quantities of southern daffodils that have arrived already affects the home grown product of bulbous stock very much. Lily of the valley of very fine quality is plentiful, but moving slowly. Lilies are far in excess of the demand. Sweet peas are not so plentiful, it is evident that many of the growers have thrown them out to make room for spring stock. Asparagus and smilax are doing a little better and there is a good demand for the smilax that is in flower.

NOTES.

The National Flower Show continues to be the chief topic of conversation among the florists and gardeners. And all visitors in town inspect the new Grand Central Palace where this grand exhibition will be held. On Saturday, President Vincent, of the Society of American Florists visited the building with a party of friends and was very favorably impressed, not only with the magnificent hall and the different floors, but with the accommodations and conditions which will make the trade exhibition in connection with the show the grandest and most successful ever held in the history of the society. It is true that the rates charged for space are higher than formerly, but it must be considered that if the building or hall was to be hired outright the rent would be about \$17,000. This is the City of the World, and rents and other fixed charges must necessarily be larger than in the smaller cities, but there is no question in the minds of the National Flower Show committee and the local governing board but that all exhibitors in the trade exhibition are going to be very much elated with the returns and the attraction of this part of the exhibition. Already the secretary of the National Flower Show committee has received many inquiries for space, and the only question seems to be with the committees is whether there will be enough available space to satisfy all applicants.

The establishment of P. J. Smith is a very busy one at present, in addition to the lilies received from A. S. Burns, Jr., Spring Valley, and the magnificent roses from Frank McMahon, Sea Bright, N. J., and Righter & Barton, Madison, N. J. Attention can not help being attracted to the roses, especially the Killarneys sent in by E. J. Taylor, Greens Farms, Conn. Mr. Taylor is devoting more room to growing high grade flowers for the wholesale market and intends to make in the near future a very large addition to his present extensive plant.

Joseph Fenrich met with a slight

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We Never Disappoint.

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Boston.

We Handle Stock of 100 of the Best Growers.

Our Specialties Are.

Roses, Aaron Ward, Waddell, Rhea Reid, Lady Hillingdon, Taft, Beauty, Cardinal, Bon Silene, Killarneys, Safrano.

Carnations, Single Violets, Pansies, Valley, Orchids, Gardenias, Sweet Peas, Snapdragons, and all Seasonable Flowers.

We are prepared to ship to all parts of the United States and Canada. Special attention given to all orders. All flowers packed with greatest care in order to insure safe arrival. No charge for packing.

Consignments of First-Class Stock Solicited.

A Square Deal to Both Grower and Retailer.

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VIOLETS \$1 per 100

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Double Violets **EASTER**
Direct from the largest grower

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The Home of the Lily.

A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited.

Telephones, 1328, 1998 Madison Square

49 West 28th Street

New York City

accident while on his way home Friday night, which was caused by his slipping on the ice. This was the reason of his absence from the banquet. Some of the streets are very rough in the Bronx where Mr. Fenrich resides, and on a dark night they are difficult to navigate.

Charles Millang is able to get about each day, he shows plainly the very hard time he has had. His rugged constitution is the one thing that has helped him on the road to complete recovery, though it will be months before he will be completely mended.

Rheumatism is affecting many of the wholesalers and others at present. The latest to be compelled to remain away from their business being Frank H. Traendly and Charles B. Weathered. There was a great influx of noted

visitors on Saturday, many of whom came to attend the banquet or twenty-fifth anniversary celebration of the New York Florists' Club.

The Guttman Flower Growers' Company has succeeded to the business of A. J. Guttman, 55 W. Twenty-sixth street. Mr. Guttman is president of the new concern.

Probably some of the finest sweet peas ever seen in this market are grown by Henry Weston, Hempstead, L. I., and consigned to the Growers' Cut Flower Co.

Herman Maenner, of Maspeth, L. I., who died recently, was one of the oldest members of the New York Florists' Club, joining the same in 1890.

Wertheimer Bros. report that the Easter business this year has been the best in the history of the house. Y.

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S. S. Pennock-Meehan Co.
 WHOLESALE FLORISTS
 109 West 28th Street, NEW YORK
 Everything in Cut Flowers.
 PERCY B. RIGBY, Treasurer. Everything in Supplies

Traendly & Schenck,
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 131 & 133 WEST 28th ST
 Phones: 798 and 799. NEW YORK

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 55 and 57 West 26th St., NEW YORK
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 Coogan Bldg., 6th Ave. & W. 26th St., New York
 Open for Cut Flower Sales at 6 o'clock Every Morning.
 Desirable wll space to rent for advertising.
V. S. DORVAL, Secretary.

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 Cut Flowers at Wholesale
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J. K. ALLEN Wholesale Dealer in
CUT FLOWERS
 106 W. 28th Street, NEW YORK
 Phones, 167 and 4468 Madison Square Open 6 a. m. Daily
 Growers desiring top market price for their flowers should give me a trial.

N. Lecakes & Co., Inc.
 Wholesale Florists
 Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pines and Laurel Roping.
 Phones 1415-1418 Madison Sq
 53 W. 28th St., bet. Broadway and Sixth Avenue, NEW YORK

OFFICIAL S. A. F. Shipping Labels
 FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.
AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

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 Wholesale Florist
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 NEW YORK CITY
 Telephone: 3864 Madison Square

Wholesale Flower Markets

	NEW YORK, Mar. 27.	Per 100
Roses, Beauty, special.....	15 00	25 00
" " extra and fancy.....	10 00	15 00
" " No. 1 and No. 2.....	2 00	8 00
" " Bride, Bridesmaid, special.....	4 00	6 00
" " extra and fancy.....	2 00	4 00
" " No. 1 and No. 2.....	1 00	2 00
" " Killarney, My Maryland.....	6 00	8 00
" " extra and fancy.....	3 00	4 00
" " No. 1 and No. 2.....	1 00	2 00
" " Richmond.....	1 00	3 00
" " Carattions.....	1 00	4 00
" " Cattleyas.....	20 00	40 00
" " D. Formosum.....	15 00	25 00
" " Freesias.....	1 00	1 25
" " Gardenias.....	10 00	40 00
" " Lilies, Longiflorum and Harrisii.....	4 00	8 00
" " Lily of the Valley.....	2 00	4 00
" " Oncidiums.....	5 90	10 00
" " Sweet Peas, per doz. bunches.....	1 00	1 25
" " Violets.....	10	30
" " Adiantum Croweanum.....	75	1 00

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 WHOLESALE PLANTSMEN AND FLORISTS
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 Prompt and satisfactory. Consignments solicited

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 FRESH CUT EVERGREENS
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Flower Colors
 Use our COLOR CHART in describing them.
 PRICE, \$1.00 POSTPAID,
American Florist Co.,
 440 South Dearborn Street, CHICAGO

Walter F. Sheridan
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Fancy Ferns

Finest stock in the country

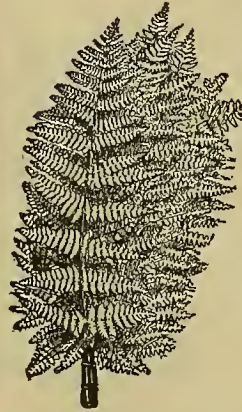
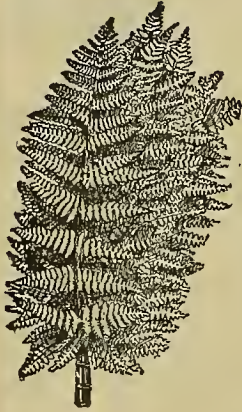
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Place your standing orders with us.
Full supply all the year around.

- Imported green and bronze Magnolia Baskets, \$2.25; 6 baskets each, \$2.00
- Galax Leaves, green and bronze... per 1000, 1.25
- Green Leucothoe Sprays, extra fine... per 1000, 7.50
- Boxwood... per lb., 20c; per case, 50 lbs., 7.50
- Wild Smilax 50-lb. case, 5.00
- Sphagnum Moss large bales, 2.50
- Sheet Moss in Bgs for Hanging Baskets... large bgs, 2.00

Full supply Cut Flowers at all times.

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38-40 Broadway, Detroit, Mich.



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Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,



Delivered to all parts of United States and Canada
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Wild Smilax & Leucothoe

Satisfaction Guaranteed

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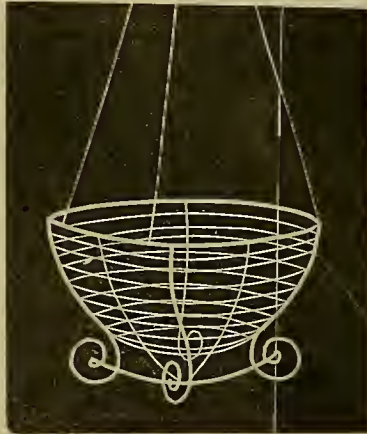
St. Paul, Minn.

The weather conditions this year have been just the reverse of last season. During February and early March last year, warm, pleasant weather was enjoyed throughout the northwest, but this year we have had a continual cold spell which has as yet shown no sign of turning toward warmer weather, and this has had considerable influence on the conditions of trade. It is probable that as soon as the season opens a trifle more and the weather improves, that trade will be a great deal better and a better season than a year ago is looked for.

L. L. May & Co. say that the country trade has dropped off considerably this year, owing probably to the severe weather. The cut flower trade has increased about 50 per cent this year, while the sale of plants has dropped, being nearly double last year of the amount of sales this year. The general line of business in design work and other branches is approximately the same as it was a year ago. S. T. H.

SUPERIOR HANGING BASKETS

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SEND FOR CATALOGUE. Get prices of me before placing your order.

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If Your Stock of

Cut Ferns

is exhausted order from

G.J. Walker, SAVOY CENTRE, MASS.

Dealer FANCY and DAGGER Ferns

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ORDER YOUR
WILD SMILAX
AND ALL OTHER
DECORATIVE
GREENS
FROM
GEORGE M. CARTER
EVERGREEN ALABAMA
THE QUICKEST
SHIPPER

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We Are Now Making Shipments of

Southern Wild Smilax

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

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We Are Now Booking Orders for

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Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSES**

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DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,
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Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
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187 N. State St.
HIGH GRADE OF FLOWERS.

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4 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
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Mail, Telephone and Telegraph orders filled promptly with the choicest stock.
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Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

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Orders filled promptly on short notice and delivered to all parts of the middle west and west.

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The Most Central Location in City.

F. H. WEBER,

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CUT FLOWERS AND PLANTS.

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Write, Wire or Phone Your Orders to

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1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

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"The Saltford Flower Shop"

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MYER, FLORIST

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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

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Telephone 2065-2066 Madison Square.

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To out-of-town florists
We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

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The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

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L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave.

Kansas City and Pleasant Hill, Mo.

Will fill all orders for Cut Flowers, Funeral Designs Wedding and Birthday Gifts that may be entrusted to them

DON'T DELAY Sending in Yo

Easter is drawing near and you should have your order plac



80,000 Clean, healthy plants well clothed with luxuriant foliage are in exceptional fine condition and we are booking orders for these plants now at the following prices. All shipments made direct from our greenhouses if desired:

Lily Plants, 3 to 4 blooms, per 100 blooms, \$15.00; 5 to 10 blooms, per 100 blooms, \$12.50.

Short Plants, for pans and baskets, per 100 blooms, \$10.00.

Cut Easter lilies, extra select, per 1000, \$100.00; 500 at 1000 rate.

“ “ Extra select, per 100, \$12.50; extra select, per dozen, \$2.00.

POEHLMANN

72-74 E. RANDOLPH STREET, Long

ANY LONGER Easter Order.

off your mind. It is said that good Lilies are scarce.

Our lilies are exceptionally fine and we expect to have plenty to fill all orders.

OUR BEAUTIES,

Roses, Carnations and other stock will also be in full crop and we will be particularly well fixed on Tulips, Mignonette, Valley, Daffodils, Sweet Peas and Cattleyas, so let your orders include a liberal amount of these for you will need them for your Easter Baskets and Boxes. We especially call your attention to our new Roses which we can supply more liberally than heretofore.

For Current Prices see issue of the American Florist of March 16.

Easter Price List In Effect April 1.

AMERICAN BEAUTIES	Per Doz.	MY MARYLAND, select	12.00
Specials	\$6.00	Fancy	10.00
36-inch	5.00	Medium	8.00
30-inch	4.00	Good Short	\$4.00 to 6.00
24-inch	3.00	WHITE KILLARNEY, select	12.00
20-inch	2.00	Fancy	10.00
15-inch	1.50	Medium	8.00
12-inch	1.00	Good Short	6.00
Short stem	per 100 6.00		Per 100
FRANCE DE BULGARIE, specials	\$15.00	CARNATIONS, fancy	\$5.00
Antoine Rivoliere or Mrs. Tnft.		" firsts	4.00
Fancy	12.00	" common	3.00
Medium	\$10.00 to 12.00	ORCHIDS, Cattleyas, per doz.	\$ 4.00 to 6.00
Short	8.00	CALLAS, per doz., \$2.00	12.00 to 15.00
LODGE, long	\$15.00	JONQUILS	3.00
Medium	10.00	DAFFODILS	3.00
Short	8.00	TULIPS	\$3.00 to 4.00
ROSE, long	8.00	SPANISH IRIS	3.00 to 4.00
Medium	0.00	VALLEY	.75
S. AARON WARD, specials	15.00	VIOLETS, double	.75 to 1.00
Fancy	12.00	VIOLETS, Single, Princess of Wales	4.00
Medium	10.00	MIGNONETTE, large spikes	.75
Short	8.00	SWEET PEAS	1.00
DIAMOND, select	\$12.00	SWEET PEAS, Fancy	1.00
Fancy	10.00	ADIANTUM CROWEANUM	per doz., \$1.50 to 2.00
Medium	8.00	SMILAX	3.00 to 4.00
Good Short	\$4.00 to 6.00	SPRENGERI, PLUMOSUS SPRAYS	each .60
KILLARNEY, select	12.00	PLUMOSUS STRING	per 1000 3.00
Fancy	10.00	FERNS	per 1000 1.25
Medium	8.00	GALAX	per 100 .75
Good Short	\$4.00 to 6.00	LEUCOTHOE	per bunch, 25; per case of 50 lbs. 7.50
		BOXWOOD	

Good Short Stem Roses, \$40.00 per 1000; 500 at the same rate.

No other house in this market has such large quantities of high grade stock to offer at such low prices as we have and no other house is so well equipped to take care of your order as we are. When you send us your orders your worry is over, we take care of them.

W. H. ROSE COMPANY,

Exchange Phone Randolph 35 CHICAGO, ILL.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



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FLORISTS
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WASHINGTON, D.C.

WASHINGTON
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Gude's

Members Florists' Telegraph Delivery.

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Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention

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(Successor to Geo. A. Hehl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders.

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The Park

J. A. VALENTINE, President.

Members Florists' Telegraph Delivery.

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"Penn, The Telegraph Florist"

Members of Florists' Telegraph Delivery Ass'n.

37-43 BROMFIELD STREET.

Send your orders for Chicago and Suburbs to



222-223 W. Madison St.
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All orders carefully filled under the supervision of

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The Arcade Florist,

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PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

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L. W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

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Established 1874.

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

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WILLIAM L. ROCK
Flower Co.

Will execute orders for any town in

Missouri, Kansas or Oklahoma
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W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Hehl & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

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JACOB SCHULZ,

Members Florists' Telegraph Delivery.
550 So. Fourth Avenue.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

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Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M. A. Bowe

IN THE HEART OF NEW YORK CITY.

Phone 6404 Madison Sq. 12 West 33d St
Our Motto—THE GOLDEN RULE.

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Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America,
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



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Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

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Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

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Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

City Index to Retail Florists

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- Anderson, S. C.—The Anderson Floral Co.
- Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
- Boston—Thos. F. Galvin, Inc., 124 Tremont St.
- Boston—Hoffman, 59-61 Mass. Ave.
- Boston—Peon, the Florist, 43 Bromfield St.
- Brooklyn, N. Y.—S. Maaur.
- Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
- Buffalo, N. Y.—S. A. Anderson, 440 Main.
- Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
- Chicago—Alpha Floral Co.
- Chicago—Canger & Gormley.
- Chicago—A. Lange, 25 E. Madison St.
- Chicago—Schiller The Florist, 2221 W. Madison.
- Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
- Cleveland, O.—The Cleveland Cut Flower Co.
- Cleveland, O.—The J. M. Gasser Co.
- Colorado Springs, Colo.—Frank F. Crump.
- Dallas, Tex.—Texas Seed and Floral Co.
- Dayton, O.—Matthews, 16 W. 3rd St.
- Denver, Colo.—The Park Floral Co.
- Des Moines, Ia.—Alpha Floral Co.
- Detroit, Mich.—John Breitmeyer's Sons.
- Grand Rapids, Mich.—Grand Rapids Floral Co.
- Grand Rapids, Mich.—Henry Smith.
- Indianapolis—Bertermann Bros. Co., 214 Mass.
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- Kansas City—Samuel Murray.
- Kansas City—Wm. L. Rock Flower Co.
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- Louisville, Ky.—Jacob Schulz, 550 4th Ave.
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- Montreal—McKeena.
- Newark, Ohio—Chas. A. Duerr.
- Nashville, Tenn.—Geny Bros.
- Nashville, Tenn.—Joy Floral Co.
- New York—M. A. Bowe.
- New York—D. Clark's Sons, 2139 Broadway.
- New York—Dad's, 44th and Madison Ave.
- New York—Alex. McConnell, 611 5th Ave.
- New York—Charles Habermann.
- New York—Myer, Florist, 609 Madison Ave.
- New York—Frank Valentine, 158 E. 110th.
- New York—Young and Nugent.
- Omaha, Neb.—Hess & Swoboda, Farnum St.
- Philadelphia—Robert Kift, 1725 Chestnut.
- Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
- Poughkeepsie, N. Y.—The Saltford Flower Shop.
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New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flower's

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out
of-town florists. Trade discount.

215 West Fourth Street.

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**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

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: ; FLORIST : ;

Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best
Dunlop's

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of **GRAND RAPIDS**

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

VISITED CHICAGO: A. J. Brown, Grand Rapids, Mich.

SWEET PEA crops in California are reported as not doing very well.

CHICAGO.—Prices on the Board of Trade, March 27, for grass seed were noted as follows: Timothy, \$10 to \$15 per 100 pounds.

MILFORD, CONN.—Arthur B. Clark, of the Everett B. Clark Seed Co., is president of the new Milford Trust Co., which opened for business March 4.

JEROME B. RICE, who has been ill and operated on in the hospital at Baltimore, has made a trip south and is now at Hot Springs, Arkansas. Mr. Rice's health has not improved as rapidly as his friends would like.

FRED BARTEDES, the well-known Lawrence seedsman, is a hard worker, beginning about seven o'clock in the morning and has a habit of doing business while standing on his feet all day. Mr. Bartedes does not work Sunday afternoons.

ARRANGEMENTS are in progress with a view to making the Sherman House, Chicago, headquarters for the thirtieth annual convention of the American Seed Trade Association, June 25-27. This new hotel stands on the site of the old house so well known to the older generation of seedsmen, nurserymen and florists.

PHILADELPHIA, PA.—W. Atlee Burpee & Co. report under date of March 19: "Both January and February showed a very substantial gain over 1911, making both of these months the largest that we have ever had. Up to date the month of March is but slightly ahead of a year ago but (and this is a great big but) it would have been very much ahead had it not been for the fact that we had to decline many orders on short items. The question this year with mail order seed houses—and doubtless with all other houses of reputation—is one of supply rather than demand."

J. E. NORTHRUP writes from San Diego, Calif., that he has spent a very pleasant and beneficial winter there

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

and may start soon for his home in Minnesota, visiting the seed growing districts on the way. He reported the heavy rains to be of great benefit to the growing crops and those about to be planted.

STURGEON BAY, WIS., March 14.—Theo. H. Hopkins, local manager for the John H. Allan Seed Co., reports that his establishment expects to contract for the usual acreage in this county and vicinity. He does not look for much of an improvement in the pea growing situation for a couple of years, or until the clover is able to restore the soil once again to its former productive state.

HOLLAND BULBS.—One of our correspondents writes from Haarlem, Holland, March 15, as follows: "The weather has been unusually mild so far and bulbs of all kinds are well advanced, in fact, a little too much so to withstand the late spring frosts which we are almost certain to get. Crocus are now past and several early varieties of hyacinths are in full bloom."

LOS ANGELES, CALIF., March 20.—There has been more rain, making a total of 3.75 inches since March 1. This assures the seed growers of crops, although they are very late. Under the very best growing conditions, it is said that an average crop of sweet peas can not be harvested here this year.—The John Bodger & Sons Co. is making a specialty of asters this season.

NEW YORK.—J. M. Thorburn & Co. are in the midst of their spring rush now, with plenty of orders to keep all hands busy day and night.—Vaughan's Seed Store reports February business somewhat better than the same month last year, with March bidding fair to run ahead also and indications that the season of 1912 will be better than that of 1911 on the whole.—Harry A. Bunyard, of Bodding's, says the mail order trade is ahead of last year's.—Burnett Bros. say their business shows a decided increase over any previous year in all departments, but especially in grasses and flower seeds.—S. D. Woodruff & Son write: "In spite of the very high prices trade has been way ahead of the average, and the short items are the ones the people seem to be most anxious to buy. The following articles, at the present time, are bringing higher prices than we have seen during twenty-five years' experience in the seed business: Potatoes, onion, carrot, beet, parsley, pea, celery and

turnip seed." Weeber & Don report that business to date is very much ahead of a year ago, and they have prospects for plenty more.

Catalogues Received.

Texas Seed & Floral Co., Dallas, Texas, seeds, plants and supplies; Leedle Floral Co., Springfield, O., roses; Leonard Seed Co., Chicago, descriptive list of seeds; I. N. Kramer & Son, Cedar Rapids, Ia., seeds and plants; Raedlein Basket Co., Chicago, baskets for florists; Steele's Mastodon Pansy Gardens, Portland, Ore., pansies; International Heater Co., Utica, N. Y., steam and hot water boilers; F. & N. Lawn Mower Co., Richmond, Ind., lawn mowers; R. Vincent, Jr., & Sons Co., White Marsh, Md., wholesale trade list of vegetables, greenhouse and bedding plants; Berrydale Experiment Gardens, Holland, Mich., berries; L. H. Olmsted's Sons, Hasbrouck Heights, N. J., mole traps; Elm City Nursery Co., New Haven, Conn., nursery stock; Winterson's Seed Store, Chicago, garden guide; Peter Henderson & Co., New York, implements and farmers' manual; Palisades Nurseries, Sparkill, N. Y., popular perennials; Phoenix Nursery Co., Bloomington, Ill., general and wholesale lists of nursery stock; Archias Seed Store, Sedalia, Mo., seed annual; Mills Seed House, Rose Hill, N. Y., seeds and plants; A. E. McKenzie Co., Brandon, Man., seeds; Glen Bros., Rochester, N. Y., nursery stock; Schultz's Seed Store, Washington, D. C., seeds; J. Roscoe Fuller & Co., Floral Park, N. Y., garden annual; Geo. H. Mellen Co., Springfield, O., seeds, plants, bulbs, etc.; Clarke Bros., roses, hardy plants and shrubs, etc.; Noah's Ark, Boulder and Longmont, Colo., seeds; Rockmont Nursery, Boulder, Colo., nursery stock; Northboro Dahlia and Gladiolus Gardens, Northboro, Mass., dahlias and gladioli; Utica Heater Co., Chicago, boilers; Bohdal Bros. & Co., Baltimore, Md., wholesale list of wire designs; Bassett & Weller, Hammonton, N. J., dahlias; Ontario Nursery Co., Geneva, N. Y., trees and plants; John S. Weaver, Kinzers, Pa., retail list of tobacco seed; Maple Bend Nurseries, Perry, O., trade list of nursery stock; Forest Seed & Nursery Co., McMinnville, Tenn., wholesale trade list of nursery stock; Chas. D. Ball, Philadelphia, Pa., wholesale list of palms and decorative plants; Leesley Bros., Nurseries, wholesale list of nursery stock.

NEW CASTLE, IND.—P. J. Lynch now says the best boys are the boys that are born in the spring, tra la.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.





Klondyke White Spine.
grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

FREMONT, - - - NEBRASKA

BURPEE'S SEEDS
PHILADELPHIA
Wholesale Price List for Florists
and Market Gardeners.

—FOR—
SEEDS
OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England.

BURNETT BROS.
Importers and Growers of
Seeds, Bulbs, Plants
and Horticultural Sundries.
Telephone 2223 Cortlandt.
72 Cortlandt Street. **NEW YORK**
Write for our 1912 Spring Catalogue.

CHOICE
German Flower Seeds
Catalogue free on application.
FREDERICK ROEMER,
Seed Grower, QUEDLINBURG, GERMANY

SEEDS Best that grow. We sell di-
rect to gardeners and florists
at wholesale. Big beautiful
catalogue free. Write today.
ARCHIAS SEED STORE, Box 52, Sedalia, Mo.

Send Advertisements Early
For Best Results.

BEANS, PEAS, RADISH
and all Garden Seed

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

—A GOOD INVESTMENT.—
Grow Cold Storage Lilies
For price and good quality write
C. C. POLLWORTH CO., **Milwaukee**

Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., ADRIAN,
MICH.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.
Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Mention *the American Florist* when writing

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100. \$13.00
Rubrum, 9 in.-11 in. per 100. 9.00
" Melpomene, 9 in.-11 in. per 100. 9.50
Tuberoses, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.
114 Chambers Street. **NEW YORK, N. Y.**

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish,
etc. Correspondence solicited.

Henry Fish Seed Co.
Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Onion Sets

**FANCY RECLEANED HAND
PICKED**

Fancy Recleaned Yellow Sets, \$2.50
per bu.

Fancy Recleaned Silver Skin, \$2.50
per bu.

SEED POTATOES

Maine Grown

All Standard Varieties.

J. Bolgiano & Son

Almost 100 Years' Established Trade
Wholesale Seedsmen,

BALTIMORE, MD.

Asparagus Plumosus Plants

2½-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best ob-
tainable \$1.00 per 100;
\$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building. **PHILADELPHIA, PA**

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Canta-
oupe, Watermelon, Squash and Pumpkin
seed; Sugar Flint and Field Seed Corns.

TESTING

E Practical, impartial commercial la-
E boratory apparatus, as endorsed by
D the Ass'n of Official Seed Analysts.
D Booklet free. Send samples of
THE SEED TRADE REPORTING BUREAU
Postal Telegraph Building, **CHICA O**

DRAKES SATISFACTORY SEEDS

In Which Quality, Superiority of Our Strains, and Very Moderate Prices are Leading Features

A TRIAL WILL CONVINCCE YOU

TOMATO		Oz.	¼ lb.
Spark's Earliana	12c	45c	
Chalk's Early Jewel	12	45	
Early Acme	10	35	
Matchless	10	35	
Dwarf Champion	12	45	
New Stone	10	35	
Livingston's Beauty	10	35	
" Favorite	10	35	
" Perfection	10	35	
" Globe	15	60	
Success	10	35	
Ponderosa	15	60	
Bonnie Best	15	60	
Golden Queen	12	45	
Yellow Plum	15	60	
Dwarf Stone	15	60	

CELERY		Oz.	¼ lb.
Golden Self Blanching	\$1.00	\$4.00	
White Plume	.12	.40	
Boston Market	.12	.35	
Perfection	.12	.35	
Giant Pascal	.12	.35	
New Winter Queen	.12	.35	

CABBAGE		Oz.	¼ lb.
Improved Drumhead	12c	45c	
Red Rock	12	45	
Perfection Savoy	12	45	

CAULIFLOWER			
Earliest Snowball	\$1.50	\$5.00	
Erfurt Extra Early	1.25	4.50	
New Enkhuizen Market	1.25	4.50	
Extra Early Paris	.40	1.50	
LeNormad's Short Stem	.40	1.50	

EGG PLANT			
New York Improved	.15	.60	
New Jersey	.15	.60	

PEPPER.			
Ruby King	.10	.35	
Sweet Mountain	.10	.35	
Bull Nose	.10	.35	

CABBAGE			
New Enkhuizen Glory	15	50	
Early Jersey Wakefield	12	45	
Charleston Wakefield	12	45	
All Head Early	15	45	
Early Winnigstadt	10	40	
Early Succession	15	45	
Early Summer	15	45	
Danish Ball head	15	50	
Sure Head	12	45	
Late flat Dutch	12	45	

LETTUCE			
Black-seeded Simpson	5	15	
Big Boston	5	20	
Denver Market	5	15	
Hanson Improved	5	15	
Iceberg	5	15	
New Morse	5	15	
Prize Head	5	15	
Salamander	5	15	
Grand Rapids	5	15	
Black-seeded Tennis ball	5	15	
Black-seeded Butter	5	15	
New York Market	5	15	

Other specialties are BUSH BEANS, ONION SEED and ONION SETS. I am a grower of the very finest NEW JERSEY SWEET CORN. Write for Lowest Prices

J. AUG. DRAKE, Seedsman, Chester, N. J.

ROOTED Carnation Cuttings

	Per 100	1000
Washington	\$1.00	\$35.00
Mrs. C. W. Ward	3.00	25.00
Beacon	3.00	25.00
White Enchantress	3.00	25.00
May Day	.50	2.00
Sangamo	2.50	20.
Enchantress	2.50	20.00
Rose Pink Enchantress	2.50	20.00
Dorothy Gordon	3.00	

250 at 1000 rate. Satisfaction guaranteed.

Will exchange any of the above for 2½ inch Asparagus Plumosus.

DES PLAINES FLORAL CO., Des Plaines, Ill.
Mention the American Florist when writing

Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown.

of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$3.50; 5000 seeds at \$3.25 per 1000.

Vaughan's Seed Store, CHICAGO. NEW YORK.

ASPARAGUS PLUMOSUS NANUS

VAUGHAN'S SEED STORE
CHICAGO NEW YORK

Landscape Gardening

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University. Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes. 250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

Bonfire Carnation

Extra strong healthy R. C., \$4.50 per 100; \$40.00 per 1000. Without question the most profitable red carnation in commerce. Our only red for next winter.

W. W. Coles, Kokomo, Ind.

Mention the American Florist when writing

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries and Export Trade.

HILLEGOM, HOLLAND,

Wholesale growers of the leading sorts of Hyacinths, Tulips, Narcissus, Crocus, Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, Mr. G. HYLKEMA, care of Messrs. Maltus & Ware, 14 Stone St., New York, for Catalogue and Special prices of all

HOLLAND BULBS AND PLANTS.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

The Early Advertisement Gets There.

Boddingtons Quality Cannas.

Are true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick. The Canna crop this year, however, is very short, and we advise placing orders early to secure stock. Delivery can be made at purchaser's option.

Red-flowering, Green Foliage Cannas

	Per 100	Per 1,000
A. Bouvier, 5 ft.....	1.75	15.00
Alice Roosevelt, 4 ft.....	3.75	35.00
Black Prince, 3 to 4 ft.....	2.75	25.00
Charles Henderson, 4 ft.....	2.00	17.50
Duke of Marlboro, 4½ ft.....	2.00	17.50
Explorateur Crampbell, 5½ ft....	2.00	17.50
President Cleveland, 3 ft.....	2.25	20.00
President McKinley, 2½ to 3 ft....	2.25	17.50
President Meyer, 4 ft.....	3.50	30.00

Pink-flowering Cannas

	Per 100	Per 1,000
L. Patry, 4½ ft.....	\$2.25	\$17.50
Louise, 5 ft.....	2.25	17.50
Mlle. Berat, 4½ ft.....	1.75	15.00
Venus, 3½ ft.....	4.25	40.00

White and Cream Shades

	Per 100	Per 1,000
Alsace, 3½ ft.....	\$1.75	\$15.00

Orchid-flowering Cannas

	Per 100	Per 1,000
Allemannia, 4 to 5 ft.....	\$1.75	\$15.00
Austria, 5 ft.....	1.75	15.00
Indiana, 3 to 4 ft.....	2.00	17.50
Italia, 4½ ft.....	1.75	15.00
Philadelphia, 5 ft.....	2.75	25.00

Orange Shades

	Per 100	Per 1,000
Wyoming, 7 ft.....	\$2.25	\$20.00
Pennsylvania, 5 ft.....	1.75	15.00

Red, Gold-edged; Spotted and Yellow Cannas

	Per 100	Per 1,000
Duke of York, 4 to 5 ft.....	\$5.50	
Evolution	2.75	\$25.00
Gladiator, 4 ft.....	2.75	25.00
Golden King, 5 ft.....	2.75	25.00
Jean Tissot, 5 ft.....	2.25	20.00
Niagara, 3 ft.....	2.75	25.00
Mad. Crozy, 5½ ft.....	2.75	25.00
Queen Charlotte, 3½ ft.....	3.75	35.00
Premier, 2½ ft.....	3.75	35.00
Souv. de A. Crozy, 4 ft.....	2.75	25.00

Yellow Shades

	Per 100	Per 1,000
Florence Vaughan, 5 ft.....	2.25	20.00
Richard Wallace, 4½ ft.....	2.75	25.00

Bronze-leaved, Red-flowering Cannas

	Per 100	Per 1,000
King Humbert, 4 ft.....	4.00	
Leonard Vaughan, 4½ ft.....	2.75	25.00
Musafolia, 3 to 5 ft.....	2.25	20.00
Robusta, 6 to 8 ft.....	2.00	17.50
Shenandoah, 6 ft.....	2.00	17.50

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business.

Our Cannas are true to name — two and three, sometimes four eyes — are sound, dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at a thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Write for special prices for quantities.

If any Cannas are not found here, it may be understood that they are superseded by the foregoing. If selection is left to us, we will substitute or send only the best for all purposes.

All the Above Cannas Sold F. O. B. New York or Chicago.

Chicago and Western Agents for Our Cannas, ONLY:

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ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street, NEW YORK CITY.

CARNATION CUTTINGS

FOR IMMEDIATE DELIVERY.
STRONG, HEALTHY STOCK.

	Per 100	Per 1000
Washington	\$6.00	\$50.00
Bright Spot.....	6.00	50.00
Mrs. C. W. Ward.....	4.00	30.00
Sangamo	3.00	25.00
Dorothy Gordon.....	3.00	25.00
White Enchantress.....	3.00	25.00
Enchantress	3.00	25.00
White Perfection.....	3.00	25.00
May Day.....	3.00	25.00
Beacon	3.00	25.00
Scarlet Glow.....	3.00	25.00

A. C. BROWN, Springfield, Ill.

Rooted Carnation Cuttings

One of the best, if not the best, growers in this vicinity still has several thousand extra choice White, Light Pink and Enchantress Carnation Cuttings yet to offer at \$20.00 per 1000.

PERCY JONES
56 E. Randolph St., CHICAGO

Mention the American Florist when writing

200,000 CARNATIONS

We are rooting over 200,000 this season. Our stock of Pure White Enchantress and Enchantress is hard to beat.

	100	1000
Enchantress.....	\$3.00	\$25.00
Pure White Enchantress....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Mrs. C. W. Ward.....	3.50	30.00
Dorothy Gordon.....	3.50	30.00
White Wonder.....	6.00	50.00

250 at 1000 rates. Cash or reference.
Smith & Gannett, Geneva, N. Y.

Bellis Daisy (Longfellow and Snowball.) \$2.00 per 1000.

Verbenas, transplanted, 50c per 100.
Heliotrope, 2 in., \$2.00 per 100. R. C. \$1.00.
Alyssum Double, 2 in., \$2.00 per 100. R. C. 50c.
Moon Vine, 2 in., \$2.50 per 100.
Geraniums, Mme. Buchner, rooted, \$11.00 per 1000.
Other sorts ready in April. 4 houses of stock plants.
Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Budding Knife Free.
See Page 580.

GLADIOLI

SIZES	PER THOUSAND						Bulblets per Bushel
	1	2	3	4	5	6	
Taconic	0.00	15.00	10.00	7.00	5.00	4.00	20.00
Augusta	Sold		8.00	6.00	5.00	4.00	16.00
Crawford's New America	20.00	15.00	10.00	7.00	5.00	4.00	20.00
" Grace Henry	16.00	12.00	9.00	6.00	4.00	3.00	16.00
Eben E. Rexford.....	5.00	11.00	8.00	5.00	4.00	3.00	15.00
Whites & Lights.....	Sold		8.00	5.00	4.00	3.00	15.00
Prize Mixture.....	Sold		5.00	4.00	3.00	2.50	12.00
Lily Coe -The Best Pink	28.00	21.00	17.00	12.00	9.00	6.00	28.00
Klondyke -Best Yellow... ..	20.00	15.00	10.00	7.00	5.00	4.00	20.00
Mrs. Watt -Madison's Fav.	35.00	26.00	19.00	14.00	10.00	7.00	35.00

Crawford's Isabel—the Purest White, One Dollar per Bulb of Flowering Size
A few specialties, prices of which will be quoted on request:
Sara, Winnifred, Lavender, Amethyst, Frances Willard, Queen of Sheba, Blue Hybrids.

MALLORY & BROWN

Gladiolus Specialists

MADISON, WISCONSIN

Mention the American Florist when writing

I Have Been Dubbed The Dahlia Crank

I do not dislike the title, for I have been informed that it signifies an ENTHUSIAST—and I acknowledge that I am.

I have carried on a systematic study and trial tests for many years, increasing the list with novelties from abroad and at home, discarding as well as adding—and have at present perhaps the largest list of varieties grown by any one person up-to-date.

For want of ground, as well as advancing years I am willing to dispose of much of my stock having a surplus over actual needs. Send for my descriptive list and prices.

E. STANLEY BROWN, Prop., A. G. Trial Grounds East Moriches, Suffolk Co., N. Y.

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Hill's New Crop of Tree Seeds

Tests show that the germination is unusually high. Long experience in gathering, extracting, cleaning, drying and storing enables us to supply seeds that are superior to the average. All standard varieties. Ask for what you want—write now.

The D. Hill Nursery Co., Inc.
Seed Dept., Box 602, Dundee, Ill.
Collectors and Extractors.
Import. Export.

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TUBEROSES Dwarf Pearl.

1st size.....\$1.10 per 100; \$9.50 per 1000

Caladiums

5- 7-inch.....\$2.00 per 100
7- 9-inch..... 3.50 per 100
9-11-inch..... 6.00 per 100

Gladiolus

	Per 100	Per 1000
AMERICA.....	\$3.50	\$30.00
AUGUSTA.....	2.25	20.00
FRANCIS KING.....	2.75	25.00
WHITE and LIGHT MIXTURE..	1.75	15.00

Separate colors.
\$3.50 per 100; \$30.00 per 1000.

A. HENDERSON & CO.
30 E. Randolph St., CHICAGO

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TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

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of the highest quality, such as the English trade demands, and absolutely true to name, write to

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Special quotations on large given quantities.

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Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Brencleyensis, Etc.

Lilies, Summer Flowering Bulbs and Hardy Plants.

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THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn.

Vaughan's Sweet Peas

Special Offer



Spencer Sweet Peas

Spencer Varieties

	oz.	¼ lb.	1 lb.
Apple Blossom, rose and blush.....	\$0 15	\$0 60	\$2 00
Asta Ohn, lavender tinted.....	20	65	2 40
Aurora, orange rose, striped on white	15	45	1 60
Blauche Ferry, pink and white.....	20	65	2 40
Captain of the Blues, standard purple, wings blue	15	60	2 00
Countess of Spencer, pale pink, darker edge	15	50	1 80
Duplex (Burpee's), pink; rich cream pink; nearly all the blooms have double or triple standards..pkt. 50 seeds for.....	20c		
Ethel Roosevelt, rose pink, primrose ground	50		
Evelyn Hemus, buff ground with rosy picotee edge	30		
Flora Norton, bright blue with slight tint of purple	20	70	2 80
Florence Morse, blush, with pink margin	20	70	2 60
Florence Nightingale, lavender.....	50	1 50	
George Herbert, standard rosy magenta, wings deep carmine.....	15	60	2 00
Helen Lewis, standard orange, wings salmon	15	45	1 60
King Edward VII, rich red.....	15	60	2 00
Marie Corelli, rose carmine, tinted cherry red	25	1 00	4 00
Mrs. Hugh Dickson, pale salmon pink on cream ground	25	1 00	
Mrs. Rutzahn, apricot, suffused with pink	15	60	2 00
Othello, rich deep maroon.....	25	1 00	
Pearl Gray (Burpee's), pearl or dove gray, suffused with light rose.....pkt. 25 seeds for 20c			
Primrose, primrose	15	40	1 60
Tennant, purplish mauve	16	50	1 80
Vermillion Brilliant (Burpee's), most brilliant iridescent scarlet.....pkt. 25 seeds for 20c			
White, pure white, very scarce.....	25	1 00	4 00

Vaughan's Spencer Hybrids, mixed. In offering this mixture we are giving our customers the cream of this class in all possible color variations, and we are confident many happy surprises will result, as we have included in this not only the above sorts but many others which are new and striking in this class, oz., 15c.; ¼ lb., 40c.; lb., \$1.40.

Unwin and Grandiflora Types

Any of the following per oz. 5c., except where noted.

	¼ lb.	1 lb.	¼ lb.	1 lb.
Black Knight, dark maroon.....	\$0 15	\$0 40		
Blauche Ferry, pink and white..5 lbs. for \$1.40	10	30	\$0 10	\$0 30
Bolton's Pink, pink shaded rose..5 lbs. for 1.30	10	30	15	45
Captain of the Blues, purplish mauve.....	10	30	45	1 60
Countess of Radnor, delicate lavender.....5 lbs. for \$1.40	10	30	15	40
David R. Williamson, rich indigo blue.....	10	30	15	40
Dorothy Eckford, one of the best whites.....5 lbs. for \$1.30	10	30	15	40
Emily Henderson, white, early..5 lbs. for \$1.35	10	30	15	40
E. J. Castle, rich carmine rose, with salmon shading	15	50	15	40
Frank Dolby, largest and finest pale blue..	20	80	15	40
Flora Norton, a very bright blue.....	10	30	15	40
Gladys Unwin, pale rosy pink..5 lbs. for \$2.25	15	50	15	40
Helen Pierce, blue, with dark grain markings	15	50	15	40
Hon. Mrs. E. Kenyon, yellow.....	10	30	15	40
King Edward VII, special selection, best red	15	50	15	40
Lady Grisel Hamilton, lavender..5 lbs., \$2.25	10	35	15	40
Lottie Eckford, white, suffused lavender...	15	30	15	40
Mrs. Geo. Higginson, Jr., a clear delicate light blue	10	30	15	40
Navy Blue, deep violet blue.....	15	40	15	40
Nora Unwin, giant white.....5 lbs., \$2.25	15	50	15	40
Othello, a beautiful dark brown chocolate-red color	\$0 10	\$0 30		
Queen Alexandra, giant size scarlet.....	15	45		
Rose du Barri, carmine rose.....oz., 15c	45	1 60		
Salopian, one of the best of the dark bright reds	15	40		
White Wonder, the many-flowered white...	15	40		

Sweet Peas in Mixture

Vaughan's Prize Mixture—This mixture contains the cream of the new and standard sorts, including most of the new Spencer varieties. It is made up entirely of separate named sorts, carefully proportioned as to its composition, and we can safely say "there is no better mixture in existence," no matter at what price or under what name it may be offered. Per ¼ lb., 20c; 1 lb., 60c; 10 lbs., \$5.50.

Vaughan's Florist Mixture—This is a mixture made by ourselves, of principally light-colored varieties, suitable for florists' cut-flower trade. It is a very carefully proportioned mixture and gives satisfaction. Per ¼ lb., 25c; 1 lb., 85c; 5 lbs., \$3.75.

Eckford Mixture—This mixture contains over thirty varieties, including some of the novelties of 1911 and other choice sorts. Per ¼ lb., 10c; 1 lb., 30c; 10 lbs., \$2.80.

VAUGHAN'S SEED STORE,

25 Barclay St., NEW YORK.

31-33 W. Randolph St., CHICAGO.



H. WREDE,
LUNEBURG, GERMANY
PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed.... 25c
1 oz. \$2.25

Price list on application.

Cash with order.

IF IT IS

Water Melon and Musk Melon Seeds

Get them from

J. FRANK CORRY,

Contract Grower, ENID, OKLAHOMA.
Complete Delivery by Oct. 15, 1912.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.**
and Wisconsin.

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Seversnce, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, March 25.—Mushrooms, 20 cents to 40 cents per pound; radishes, 15 cents to 40 cents per dozen bunches; rhubarb, 35 cents per bunch; lettuce, 17 cents to 20 cents, small cases; cucumbers, \$1.50 to \$1.75 per dozen; asparagus, \$1 per dozen bunches.

New York, March 23.—Mushrooms, 75 cents to \$2 per 4-pound basket; cucumbers, 75 cents to \$1.37 per dozen; tomatoes, 10 cents to 25 cents per pound; radishes, \$2.50 to \$3.50 per 100 bunches; lettuce, \$2 to \$2.50 per strap; rhubarb, 40 cents to 75 cents per bundle and 60 cents to 90 cents per dozen bunches; mint, 40 cents to 60 cents per dozen bunches; beet tops, 75 cents to \$1 per box.

Growing Tomatoes in Heated Beds.

ED. AMERICAN FLORIST:—

We contemplate raising tomatoes for the factory and will build 13 beds 130 feet long by 5½ feet wide. We have a quantity of 2-inch pipe and intend placing a length of pipe in the middle of each bed with a stop cock at the end to allow steam and condensation to escape and not return to the boiler, the ground being very nearly level. What would be the best way to connect these pipes with the boiler? We intend to sow the seed in rows six inches apart covering with plant bed cloth. The ground is not very rich. What chemical fertilizers should be added? The storage tank for water is ten feet above ground level and the water will run through 150 feet of pipe. Will this give pressure enough?

Indiana. W. S.

Very often we find steam work put up on the principle of hot water heating—that is, the designer provides areas of flow suited to hot water conditions. Such is not needed in steam work; very often large areas in pipes, valves and fittings actually cause trouble instead of preventing it. This will apply very much to the case in hand. If we had to do this job we would run a two-inch steam main across the ends of these beds, overhead if possible. Such main to be protected with weatherproof asbestos coverings, sectional, then the whole thing is easily removed if no longer wanted. To feed the two-inch radiating pipes, very small pipe connections will answer. We believe a ½-inch, or at most a ¾-inch, connection will do for each 2-inch run. This can be demonstrated by trying one run. On the other end a ¼-inch pet cock will be ample to relieve air and condensation. Water expanded to steam will increase over fifteen hundred times in volume and in condensing will shrink that much, hence large valves and stop cocks in this case are a useless expense. Further, where water is slow to flow by gravity alone, steam under pressure has tremendous speed; on this account a comparatively small connection will fill a hundred feet of 2-inch pipe in short order.

The 2-inch pipe is rather large to place in the middle of the frames. If watered or during rains while steam is on, the plants will be scalded. If the beds slope like hotbed frames the pipe should be at the lower side where no harm would be done. When the canvas is on, the heat in trying to get to a higher point will cause good circulation of air. Heat does not readily go to a lower point, which must be borne in mind by the designer.

Steam is not a perfect medium for frame heating, as we either have the full heat or nothing. If "W. S." could arrange for circulating water by means of a pump his 2-inch pipe would be admirable. In this case the water could be heated in an open tank by live steam, to any temperature desired and forced by the pump.

In regard to fertilizers, we never like to use chemicals in seed beds. Spent hotbed manure from a previous season is our main standby; if such is obtainable we would first see that our soil is porous; if not naturally sandy, add sand or coal ashes or slack coal until of desired body, then apply pulverized sheep manure. If chemicals must be used, take bone flour as a base and add enough sulphate of potash to bring the analysis up to eight per cent phosphoric acid and 12 per cent potash; there will be some nitrogen in the bone; as soon as plants are up, if they lack thrift, nitrate of soda can be applied in water solution with a sprinkling can. By this method their growth can be controlled at will.

Your storage tank for water will be ample if you use large areas for the water; thus use 2-inch pipe all the way to the frames and then 1-inch hose, and not too much of it. Use the Boston nozzle and enlarge the holes to give the water as easy a travel as possible.

Most factories demand the Stone tomatoes, which is a late variety; to make the most of it an early start is essential. One week gained in the spring is as good as a month in the fall. The plants should go into the field not later than June 1; every day after that means a lot of green tomatoes left behind in the fall. Therefore it will pay you well to use every means to forward your plants.

MARKETMAN.

Sowing Garden Peas.

ED. AMERICAN FLORIST:—

Will you kindly inform me how late the seed of a tall-growing garden pea can be sown? What is the best variety? Would it be too late to sow after taking sweet pea vines from the wires?

W. S.

We believe there are few sections in the United States where garden peas can be sown at intervals with any assurance of success. Our summers rush in, so to speak, and the high temperatures are unsuitable to the young peas. The best results are obtained in most localities by sowing a number of different varieties at one time, that is, early, and depend for a succession upon the difference of these kinds in maturing. With a little study and experiment one can soon find which kinds are best.

For the state of Illinois we believe the first week in May would be as late as a good crop could be expected. As a rule, these late sowings should be made in furrows five or six inches deep, covering the seeds but slightly, and when up gradually fill in until level. After that mulching is very beneficial. We found last summer that peas respond very well to Skinner irrigation.

As regards varieties much depends whether they are for home use or market. For home supply, Champion of England is probably the best late, but for market we use only the Telephone or its various types.

To attempt planting garden peas after sweet peas the same season would be courting failure. Besides such a late start, sweet peas nearly always finish with red spider, which pest would be right on the spot to attack the young garden peas. Were we to attempt late peas we would be sure to isolate them from any attack of red spider.

MARKETMAN.



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

Pure Culture Mushroom Spawnco.

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

Trade Mark, American Spawnco., St. Paul, Minn.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

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HENRY METTE, Quedlinburg, Germany

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1747.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Oenotheras, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabiosa, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, best stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.



Tuberose

True Dwarf Pearl

	Per 1000
First Size, 4-6-in.....	\$ 9.00
Medium, 3-4-in.....	5.00

GLADIOLUS

Mrs. Francis King, 1¼ to 1½ inch.....	17.00
Augusta, 1¼ to 1½ inch.....	16.00
America, 1¼ to 1½ inch.....	27.50
Kunderdi "Glory".....	Per 100, \$7.50
Florist XXX, Mixed.....	15.00
Princeps, The King of all Gladioli, per 100, \$10.00	

CALADIUMS ESCULENTUM

5- 7-inch.....	\$15.00
7- 9-inch.....	30.00
9-11-inch.....	55.00

COLD STORAGE STOCK

Valley Pips	Lilium Album	Lilium
	Per 1000	Per 1000
London Market...\$15.00	8 to 9.....\$95.00	Auratum Per 1000
Premium Brand... 13.00	Lilium Rubrum	8 to 9.....\$50.00
	9 to 11..... 80.00	9 to 11..... 80.00

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Vaughan's Seed Store, NEW YORK

Lawn Grass Seed

WHOLESALE ONLY.

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1876 Milwaukee Ave., CHICAGO

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster,
Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

S. D. WOODRUFF & SONS,

ORANGE, CONN. NEW YORK CITY.

Seed Growers and Importers.

Specialties: Beet, Carrot, Sweet Corn, Peas,
Beans, Onion Sets and Seed Potatoes. Cata-
logue free. Quick freight shipments from New
York, via rail or steamer to all parts of the U. S.

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.		OWN ROOT.	
	Per 100	Per 100	1000
Double Pink			
Killarney, 2½-in.....		\$120 00	
Richmond, 2½-in.....	\$12 00	120 00	
Sunburst, 2½ in.....	35 00		
Maryland, 2½-in.....	12 00	120 00	
Mrs. Aaron Ward, 2½-in.	14 00	120 00	
Melody, 2½-in.....	14 00	120 00	
Mrs. Taft or Prince de			
Bulgarie, 2½-in.....	14 00	120 00	
Radiance.....	14 00	120 00	
Pink and White			
Killarney, 2½-in.....	\$6 50	\$60 00	
Maryland, 2½-in.....	6 50	60 00	
Richmond, 2½-in.....	6 00	50 00	
Antoine Rivoliere, Mrs.			
Taft, or Prince de Bul-			
garie, 2½-in.....	8 00	70 00	
Radiance, 2½-in.....	8 00		
Melody, 2½-in.....	8 00	70 00	
Mrs. Aaron Ward, 2½-in.	8 00	70 00	
Dbi Pink Killarney, 2½-in.	8 00	70 00	

Good, Big Clumps of Croweanum, \$10.00 per 100.

Orders are now booked for April, May, June and July delivery.
All goods are sold for cash or 30 days on approved credit.

The Early Advertisement Gets There

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

SCRANTON, PA.—The quarterly meeting of the Lackawanna Horticultural Society was held March 14 with about 100 in attendance. Discussions on blight, pruning, curculio, leaf curl and borers and a lecture on orchard management received close attention.

Potatoes Instead of Grafting Wax.

According to the experiments made by Mr. Bergounioux, and described in Le Jardin, a potato is better for vine-grafting than any form of grafting or clay wax. The method of use is simple. A scion is chosen of about the same diameter as the stock; a hole is cut through the potato just large enough to admit of the passage of the stock and scion. After the surfaces of stock and scion have been prepared for grafting, the potato is slipped over the stock, the scion placed in position, and the tuber drawn up and fixed so as to surround the graft. Mr. Bergounioux states that in the dry and hot weather of last year the grafts bound with ordinary materials were generally a failure; those treated in this novel manner were as generally successful.

Roses and Peonies.

ED. AMERICAN FLORIST:—

Will you kindly advise me as to the best varieties of roses and peonies for a garden in central Illinois? What special culture is required to grow them successfully? M. E. T. Illinois.

For 12 hybrid perpetual roses I might mention the following, not to say that these anywhere near complete the list of good ones—in fact, there is no end to such a list, but usually a dozen will give one a fair assortment: Ulrich Brunner, cherry red; Prince Camille de Rohan, dark crimson; Paul Neyron, deep pink; Mrs. John Laing, perhaps the finest bright pink; Marshall P. Wilder, red; Mme. Plantier, white; Mabel Morrison, white; Frau Karl Druschki, considered one of best whites of late introduction; Magna Charta, deep pink; Gen. Jacqueminot, crimson; Fisher Holmes, crimson; Capt. Christy, creamy white. If it is desired to be able to cut armfuls of roses the first year, I would plant strong plants of the following, which mostly consist of teas and hybrid teas: Caroline Testout, rose pink; Gruss an Teplitz, crimson; Kaiserin Aug. Victoria, white; Killarney, pink; Mme. A. Chatenay, salmon pink; Maman Cochet, carmine; Mrs. Aaron Ward, orange; My Maryland, salmon pink; Perle des Jardins, yellow, and Souv. de Pres. Carnot, cream white. As this list is perhaps a little shy of yellow, one might include Sunburst and Soleil D'Or. It does not matter which of the above may be selected, they are all good.

In peonies, I might head the list with that grand old standby Festiva Maxima, there is nothing to equal it

in the whites, but to include another good one and especially to be recommended as a fine late sort, La Tulipe is a splendid white variety. In the pink shades we have Perfection, a good florist variety and Modeste Querin. In the red shades there are the following: Officialis Rubra Plena, Felix Crousse and Grandiflora Rubra, desirable sorts, in light pink or rose colored ones are the early one, Fragrans, Mme. de Vetry and Mathilde Mechin. As to cultural directions, the most important thing is a deeply cultivated soil. In order to prepare a bed, turn your soil over 15 to 18 inches deep, remove the poor soil along the bottom and substitute good loam of a rather heavy nature. Mix into it a liberal amount of well rotted manure, say one barrowful to three of soil. Beds prepared in this manner will give results, but all the cultivating on top or manuring afterwards is of but little avail if the preparing of the beds has not been attended to properly in the first place, and this holds good with anything else we plant in the hardy plant line where permanent results are to be expected.

B.

LARGE TREES

OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.



Moon's

A nursery with an enormous collection of thrifty Ornamental Trees & Shrubbery for landscape plantings. Catalogue upon request
 The Wm. H. Moon Co.,
 MORRISVILLE, PA.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:
 Per 100 1000
 12 to 15 in., light branched. \$1.00 \$ 7.00
 15 to 20 in., 3 or more branches. 1.50 10.00
 20 to 30 in., 4 or more branches. 2.00 15.00
 2½ to 3 ft., strong, 6 or more branches 3.00 25.00
 3 to 4 ft., extra heavy, 8 or more branches. 4.00 30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.
 Mention the American Florist when writing

Hill's Evergreens

Often some particular variety of evergreen becomes popular in a town, or can be made popular, to the great profit of the dealer who has a good stock of it. We grow leading evergreens by the million — we can make your Evergreen Department more profitable by supplying you with stock you can "stand by." Get our Wholesale Catalog and prices now.

D. HILL NURSERY COMPANY, Inc.
 Evergreen Specialists. Largest Growers in America
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SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
 Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.
 Prices low; Send for list.

Wood Brothers, FISHKILL, New York.

Robert Craig Co. . .

HIGH CLASS PALMS

a. d. Novelties in Decorative Plants.
 Market and 49th Sts., Philadelphia, Pa

Clematis Paniculata

Only \$5.00 per 100

Strong 1 year from frames and ready for potting up.
 Sample 10 for 10 Cts.

THE ELM CITY NURSERY CO., New Haven, Conn.

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
 Nurserymen and Florists. RUTHERFORD, N. J.



BEDDING PLANTS Palms and Ferns

A Large Assortment of Extra Choice Stock.



Pteris Cretica, Albo Lineata.

Pteris Serrulata.

BEDDING PLANTS.

- Achyranthes—rooted cuttings, Per 1,000
- P. de Bailey.....\$6.00
- Metallica.....6.00
- Lindenii.....6.00
- Warszewiczii.....6.00
- ACHRYANTHES—2-Inch. Per 100
- P. de Bailey.....\$2.50
- Metallica.....2.00
- Lindenii.....2.00
- Warszewiczii.....2.00
- AGERATUM, Stella Gurney—2-Inch.....2.00
- Rooted cuttings, \$6.00 per 1,000
- Princess Pauline—2-Inch.....2.00
- Rooted cuttings, \$6.00 per 1,000
- Per 100
- Cyclamen, seedlings, best varieties.....\$2.50
- Cyclamen, 2-inch, best varieties.....4.00
- Colours, 2-inch, Pfister, red and yellow; Beckwith's Gem.....2.00
- Cuttings, Pfister, red and yellow.....1,000
- Gnaphalium Lanatum—3-inch.....\$5.00
- Gnaphalium Lanatum—2-inch.....2.00
- Heliotrope, 3-inch.....4.00
- Rooted cuttings.....6.00
- Chrysanthemum, Maximum, Perfectum (Improved Shasta Daisy), strong seedlings.....5.00
- Ivy, English—
- 3-in.....\$0.75 per doz.
- 4-in.....1.50 per doz.
- Ivy, German, 2-inch.....\$2.00
- Ivy, German, 3-inch.....4.00
- Lantana Delicatissima, 2-inch.....2.00
- PRIMULA BERIS (AURICULA),
- 3-in.....\$1.00 doz.
- 4-in.....1.50 doz.
- ALTERNANTHERA,
- 2-in.....\$2.50 100; \$25.00 1,000
- GERANIUM, MME. SALLEROI,
- 3-in.....\$4.00 per 100
- ENGLISH IVY,
- R. C.....\$10.00 1,000
- LANTANA DELICATISSIMA,
- R. C.....\$6.00 1,000
- AGERATUM,
- R. C.....\$6.00 1,000
- VINCAS,
- R. C.....\$10.00 1,000
- TRITOMA,
- Pfisteri, divisions.....\$3.00 to \$8.00 per 100
- Mixed, divisions.....1.00 to 5.00 per 100
- 100 1,000
- Lobelia Catherine Mallard, rooted cuttings.....\$6.00
- Lobelia Catherine Mallard, 2-inch.....\$3.00 25.00
- Marguerites, yellow cuttings.....6.00
- Mrs. F. Sanders, new double white—
- 2-inch.....3.00
- 3-inch.....6.00
- Cuttings.....15.00
- SALVIA—Rooted Cuttings, Per 1,000
- Bonfire.....\$6.00
- Zurich.....6.00
- SALVIA—2-Inch, Per 100
- Bonfire.....\$2.00
- Zurich.....2.00

PALMS

- LATANIA BORBONICA,
- 2-in., 1 to 2 leaves \$3 per 100; \$25 per 1,000
- 4-inch.....\$3 per doz.; 20 per 100
- 5-inch.....\$5 per doz.; 40 per 100
- ARECA LUTESCENS,
- 3-in., 3 plants in a pot, \$2.00 per doz.; \$15.00 per 100.
- KENTIA BELMOREANA,
- Pot. High. Lvs. Doz. 100
- 2 1/2-inch.....8-in. 4 \$ 1.50 \$12.00
- 3-inch.....8-10-in. 4-5 2.00 15.00
- 4-inch.....12-in. 4 3.60 30.00
- 4-inch.....12-15-in. 4-5 4.50 35.00
- 5-inch.....15-18-in. 5-6 6.00 50.00
- 5-inch.....18-20-in. 5-6 \$ 0.75 \$ 9.00
- 6-inch.....20-22-in. 6-7 1.00 12.00
- 6-inch.....22-24-in. 6-7 1.50 13.00
- 9-inch.....48-50-in. 7-8 8.00



KENTIA FOSTERIANA.

- Pot. High. Lvs. Doz. 100
- 2-inch.....8-10-in. 4 \$ 1.50 \$12.00
- 3-inch.....12-14-in. 4-5 2.00 15.00
- 4-inch.....14-16-in. 4-5 4.50 35.00
- 5-inch.....20-24-in. 4-6 \$ 0.75 \$ 9.00
- 6-inch.....24-30-in. 5-6 1.00 12.00
- 6-inch.....30-36-in. 5-6 1.50
- 9-inch.....46-50-in. 6-7 7.00
- MADE UP,
- Pot. High. In a Pot. Each.
- 7-inch.....24-30-in. 3-4 \$ 2.50
- 9-inch.....50-54-in. 3-5 3.00
- 10-inch.....58-60-in. 4-5 10.00
- 12-inch.....62-70-in. 4-5 15.00
- PHOENIX CANARIENSIS,
- High. Each.
- 7-inch.....36-40-in. \$ 2.50
- 8-inch.....46-50-in. 4.00
- 10-inch.....50-54-in. 8.00
- 10-inch.....60-64-in. 10.00
- PHOENIX RECLINATA,
- 4-inch.....25c each; \$3 doz.; \$20 per 100
- 5-inch.....50c each; \$5 doz.
- 6-inch.....75c each; \$9 doz.
- PHOENIX ROEBELENII,
- 2 1/2-inch.....\$2.00 per doz.; \$15.00 per 100
- 3-inch.....\$3.00 per doz.; \$22.50 per 100
- 5-inch.....\$9.00 per doz.; \$70.00 per 100
- 6-inch.....\$12.00 per doz.
- 6-inch, strong.....\$2.00 each
- 7-inch.....2.50 each

- SPIRAEAS, Peach Blossom, in bloom for Easter, 50c each; \$5.00 per dozen.
- Queen Alexandra, 50c each; \$5.00 per dozen.
- JAPAN MAPLES.....\$1.00 each
- Cocos Weddelliana, 2-in., \$1.75 per doz.; \$14.00 per 100; 3-in., \$2.50 per doz.; \$20.00 per 100.

FERNS.

- BOSTONS,
- Size. Each. Doz. 100 1,000
- 2-inch.....\$3.00 \$25.00
- 3-inch.....\$ 1.00 8.00
- 7-inch.....\$0.75 9.00
- 8-inch.....1.00 12.00
- Asst. Ferns, for Dishes, 2-in., \$0.40 doz.; \$3.00 per 100; \$25.00 per 1,000.
- Each. Doz.
- Cibotium, 7-inch.....\$2.50 \$30.00
- 8-inch.....3.00 36.00

Stove and Greenhouse Plants

- Aspidistra, Variegated.....15c per leaf
- Araucarias—
- 6-in., 4-5 tiers.....\$1.00 each; \$12.00 per doz.
- 7-in., 4-5 tiers.....1.50 each; 18.00 per doz.
- Asparagus Plumosus—
- 2-in.....\$0.40 per doz.; \$ 3.00 per 100
- 3-in......75 per doz.; 6.00 per 100
- 4-in.....1.50 per doz.; 12.00 per 100
- Cyperus, 2-in.....2.00 per 100
- 4-in.....1.50 per doz.; 10.00 per 100
- Dracaena Indivisa—
- 2-in.....\$3.00 per 100; \$25.00 per 1,000
- 7-in.....\$1.25 each; \$15.00 per doz.
- Dracaena Massangeana—6-in.....\$1.25 each
- 7-in.....1.50 each
- Dracaena Terminalis—
- 4-in.....\$0.35 each; \$4.00 per doz.
- Ficus Elastica (Rubbers)—
- 6-in.....\$0.50 each; \$6.00 per doz.
- Pandanus Utilis, 3-in., per doz.....\$1.50
- Pandanus Utilis, 4-in., per doz.....3.00
- PANDANUS VEITCHII, Each. Doz.
- 4-inch.....\$0.50 \$ 5.50
- 5-inch......75 9.00
- 6-inch.....1.00 12.00
- Tradescantia Variegata (Wandering Jew)—
- 2-inch.....\$0.40 per doz.; \$3.00 per 100
- VINCAS—
- Doz. 100
- 2-inch.....\$ 2.50
- 3-inch.....5.00
- 4-inch.....\$2.50 15.00
- Per 1,000
- PANSIES, transplanted seedlings.....\$5.00

NURSERY STOCK.

- From the Field, for Spring Shipment.
- SHRUBS, Feet. Each.
- Morus Alba (Russian Mulberry).....3 -4 \$0.10
- Morus Alba.....4 -5 .15
- Rhus Typhina Laciniata (Cut leaf Sumach).....2 -3 .05
- Rhus Typhina Laciniata.....3 -4 .10
- Rhus Typhina Laciniata.....4 .15
- Rosa Rugosa, mixed.....1 1/2-2 .10
- Rosa Rugosa, mixed.....2 -2 1/2 .15
- Rosa Rugosa Alba (Single White).....1 1/2-2 .10
- Rosa Rugosa Alba.....2 -2 1/2 .15
- Spiraea Van Houttei (Bridal Wreath).....1 -2 .05
- Symphoricarpos R a c e m o s u s (Snowberry or Waxberry).....2 .05
- Symphoricarpos Racemosus.....2 -3 .10
- Symphoricarpos Vulgaris (Indian Currant).....1 -1 1/2 .05
- Symphoricarpos Vulgaris.....2 -2 1/2 .10
- Symphoricarpos Vulgaris.....3 .15
- PERENNIALS,
- Achillea The Pearl (Sneezewort).....\$0.10
- Beltonia Asteroides (False Chamomile)......15
- Iris, German, named varieties, divisions according to size of clump.....\$0.02 and up
- Yucca Filamentosa (Adam's Needle or Spanish Bayonet)......15
- Yucca Filamentosa......10

BULBS.

- DAHLIAS—
- Thatcher, double yellow.....Per 100 \$12.00
- Sylvia, light pink.....12.00
- A. D. Livani, shell pink.....12.00
- J. Cowan, single.....12.00
- J. Devrie, single.....12.00
- Ami Barillet, single.....12.00
- Fashion, single.....12.00
- Field Clumps.....\$80.00 per 1,000
- Ismene Calanithina—
- 1st size.....6c each
- 2nd size.....4c each
- 3rd size.....2c each



Pteris Magnifica.



Pteris Will

THE GEO. WITTBOLD CO. EDGEBROOK, CHICAGO.

Carnations

Rose Pink Enchantress, from soil, \$24 00 per 1000

Enchantress. from soil. \$29 00 per 1000.

	R. C. per 100	1000
White Wonder	6 00	\$50 00
Norwood.....	6 00	50 00
Dorothy Gordon.....	4 00	35 00

	R. C. per 100	1000
White Enchantress.....	\$3 00	\$25 00
Enchantress	3 00	25 00
Beacon	3 00	25 00

	R. C. per 100	1000
Rose Pink Enchantress	\$2 50	\$20 00
Winsor	2 50	20 00

CHRYSANTHEMUMS

PINK.		
	R. C. per 100	1000
Gloria	\$2 50	\$20 00
Amorita	2 50	20 00
Dr. Enguehard	2 50	20 00
Pacific Supreme.....	2 00	15 00
Balfour	2 00	15 00

CRIMSON.		
	R. C. per 100	1000
Pockett's Crimson.....	\$2 50	\$20 00
Schrimpton	2 50	20 00
Intensity.....	2 00	15 00

YELLOW.		
	R. C. per 100	1000
Crocus, the best yellow.	\$4 00	\$35 00
Yellow Eaton.....	\$2 50	\$20 00
Golden Glow	2 00	15 00
Halliday.....	2 00	15 00
Maj. Bonnafion.....	2 00	15 00

WHITE.		
	R. C. per 100	1000
White Chadwick.....	\$3 00	\$27 50
Lynwood Hall	2 50	20 00
White Eaton	2 50	20 00
Alice Byron.....	2 00	15 00
Touset.....	2 00	15 00
October Frost.....	2 00	15 00

J. D. THOMPSON

CARNATION CO.,

Carnation Specialists, Joliet, Ill.

Carnations

FROM POTS.

Winona and Beacon at \$2.50 per 100, Victory at \$2.00 per 100 and Washington at \$5.00 per 100.

GERANIUMS

Big lot of fine rooted cuttings for delivery about April 15th.

S. A. Nutt at \$11.50 per 1000.
Poitevine and Ricard at \$14.00 per 1000.

COLEUS

Strong rooted cuttings of Golden Bedder, Verschaffeltii and standard assorted at \$6.00 per 1000.

Giant Leaved at \$2.50 per 100.

Asparagus Plumosus

Extra fine stock from rose pots at \$2.50 per 100; \$25.00 per 1000.

SMILAX

Ready June 1st. Extra quality at \$12.50 per 1000.

To avoid delay send cash with the order. Samples of any of the above for ten cents.

ALBERT M. HERR, Lancaster, Pa.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.

Boston Ferns, 5-in., 25c each.

Whitmani Ferns, 4-in., 25c.

Dracaena Ind. 3-in., \$5.00; 4-in., \$40.00; 5-in., \$25.00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., \$2.50 per 100.

Asparagus Plumosus, 2-in., \$3.00 per 100.

Cash with order.

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

Boston Ferns...

\$3.00 per 100; \$30.00 per 1000

Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.

Roosevelt, \$6.00 per 100; \$50.00 per 1000.

250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J

Grafted Rose Plants

Choice stock from flowering wood, ready for delivery April 1st.

Well hardened and in good condition to bench or repot.

Mrs. Aaron Wardper 100, \$13.00 White Killarney.....per 100, 12.00

Pink Killarney.....per 100, 12.00 Rhea Reid.....per 100, 12.00

Prince de Bulgarie, ready May 1st.....per 100, \$12.00

Our stock is all grafted on selected English Manetti.

BASSETT & WASHBURN,

Office and Store:

Greenhouses:

131 N. Wabash Ave., CHICAGO.

HINSDALE, ILL.

Mention the American Florist when writing

Rooted Carnation Cuttings

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000		Per 100	Per 1000
Beacon	\$2 50	\$20 00	R. P. Enchantress.....	17 50	
White Enchantress.....	2 50	20 00	Enchantress.....	\$2 00	\$17 50

PERLE ROSE PLANTS

2½ inch, \$4.00 per 100; \$30.00 per 1000.

PETER REINBERG,

30 East Randolph St.,

CHICAGO

Mention the American Florist when writing

DAHLIAS

The best New and Standard varieties. Send for Wholesale Price List.

BASSETT & WELLER

HAMMONTON, N. J.

Ferns for Dishes

	per 100	per 1000
2¼-in.	\$3.50	\$30.00
Asparagus Plumosus, 2¼-inch, \$3.50 per 100; \$30.00 per 1000.		
3-in., \$6.00 per 100.		
500 at 1000 rate, Cash with order.		

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

Mention the American Florist when writing

TAKE THE HINT

is not forgotten and is a name in the mind of every florist who dealt with him last Easter. He is more active than ever. He shall take care of you this Easter, 1912. His big stock of fine plants and his low prices will pull you through at all times.

Therefore Prepare for Easter and Come Direct to the Factory. A Great Factory of Live Stock That Never Ceases.

Twenty-five years' experience in shipping Easter plants—well known, popular, from Atlantic to Pacific Oceans. Our shipments of Easter Plants reach every city and state of the United States, Mexico, Canada, and as far as Cuba.



ONE OF GODFREY ASCHMANN'S LILIUM MULTIFLORUM HOUSES.

No argument needed; speaks for itself. The real stuff: the cream of Japan's production. The True Variety of the Liliun Multiflorum, raised from 9 to 10 selected bulbs, at \$95 a 1000, direct from Japan. Look at the picture! Just right for Easter. Picture taken March 12, 1912.

Azalea Indica.

Is another specialty of ours, inspected personally by myself on my yearly trip to Europe at our grower's establishment in Belgium, who is a specialist in cultivating Azaleas over there. Only the best American sorts are raised and imported for me.

What is the name of the Best Pink Azalea? Mme. Van der Cruyssen is the name.

Originated by the well-known Azalea specialist, Mr. Van der Cruyssen, of Ghent, Belgium. Millions are raised every year of this so world-wide known popular pink Azalea and are shipped out to every portion of the globe from Belgium. We are well provided and have a big stock of this so well favored variety in America, the Mme. Van der Cruyssen; covered with buds and flowers, ready for Easter trade, well shaped, round as an apple; in all sizes, 6-8 in. pots, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50 to \$3.00. On account of scarcity in Belgium of this variety, we only were able to obtain a limited quantity of the smaller sizes; therefore bigger sizes must accompany the order for Van der Cruyssen.

Simon Mardner, double pink, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50; De Schryveriana, double variegated, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50; Vervaneana, a well known double variegated variety, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50; Apollo, best red, \$1.00 to \$1.25; Niohe, double white, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50; Deutsche Perle, double white, 75c; a few good mixed varieties, such as Empress of India, Helena Thielmann and others, 75c, \$1.00 to \$1.50.

If we are out of the size and color ordered, we shall ship next color and next size, either above or below what is ordered.

In connection with Lilies and Azaleas, kindly try to buy a few other plants.

Shasta Daisies, pure white hardy daisies, 2½-in. pots, \$3.00 per 100.

Chinese Primroses, 5¼-in. pots, \$2.50 per doz.

Our New Improved Begonia Erfordii has no equal as a constant bloomer, winter and summer, in bloom now, 5¼-in., 25c; 5½-in., 30 to 35c; 4-in., 20c.

Asparagus Plurigeri, 2½-in., 3c; 4-in., 10c.

Asparagus Plumosus, 10,000 on hand, April, 1911, savings, big stock plants, 4-in., 10c; 3-in., 10 to 12 in. high, \$6.00 per 100; large 2½-in., suitable for edging bulb pans, \$5.00 per 100.

Cocos Palms, Cocos Weddelliana, large 3-in. pots, 15c, 20c to 25c.

Hyacinths of our own importation, four best colors. Gertrude, best pink; King of the Blues, best blue; Grand Maitre, light blue; La Grand-esse, best white; 4-in. pots, in bud or bloom, \$12.00 per 100.

Lilium Multiflorum.

We have Lilies this Easter (1912) to burn, to burn; they are crackerjacks, to beat the band, the best in the land, the best in the land, the best in the land.

Three houses in Liliun Multiflorum, the genuine Japan Easter Lily, better than ever before. Our own importation from our general grower in Japan, raised from 9-10-in. bulbs started in 6-in. pots last October; have kept cold. Good, perfect foliage from bottom up. Plants medium size and in all heights, from 5 to 10 buds to the plant, 10c per bud; plants under 5 buds, 12c per bud. Just right for Easter. We have the finest lilies this year in Philadelphia and all over the country, is the town talk from florists and agents daily visiting our place. "We have never seen anything like it," said two well-known growers one day, when visiting our place together. We have three houses full in 6-in. pots nicely staked up, medium height, and can supply all applications.

Cineraria Hyb. Grandiflora.

Readers, please, just a minute. I wish to call your attention to one of our biggest houses filled with a big selection of that so much admired Easter novelty, the Cineraria Hybrida Grandiflora, which will have no equal in the flower market for Easter, 1912. If you are not fortunate enough to see them growing at our establishment, then just imagine you were promoted to a paradise, to a garden in Eden, standing before a mass of flowers in various beautiful colors. This is the condition one of our Cineraria houses represents at Easter-time. Our new improved strain, planted in 6-in. pots, of medium tall sizes, are unsurpassed in the size and color of the flowers. The flowers are about twice the size of the old ordinary varieties, has big heads of flowers and good foliage; some of the plants are as big as a small apple basket. Price: 6-in. pots, 25c, 35c, 50c, 75c to \$1.00 per plant; dozen or more, same price.

Ficus Elastica or Rubber Plants, in fine condition, perfect leaves, 7-in. pots, specimen plants, 28 to 30 in. high, \$1.00; 6 to 6½-in. pots, 25 to 28 in. high, 50c to 75c; 5¼ to 5½-in. pots, 25c, 30c to 35c.

Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each; made up of 3 6-in. pots, 25 to 30 in. high, 50c to 60c.

Areca Lutescens, 3 plants in a 4-in. pot, 20c to 25c; 5¼-in., 3 plants in a pot, 30c.

Our Hydrangea Otaksa can't be beat; full of buds; right for Easter trade; every branch nicely staked up, 2, 3, 4, 5, 6, 7 heads to the plant, 6-in. pots, 35c to 50c; 5 to 7-in. pots, 75c; \$1.00, \$1.25 to \$1.50.

Araucarias Our Specialty.

We are the largest importers of these lovely decorative plants, the Araucaria Excelsa, Robusta Compacta and Glauca, the choicest last spring (1911) importation, ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the Araucarias in the future.

Look! Bargains in Araucaria Excelsa.

Such low prices as are quoted below were never known in the history of Araucaria Excelsa. Just think! 5½-in. pots, 3-4 tiers, 16 to 18 in. high, 50c to 60c.

Plants, 5½-6-7 in. pots, raised from top cuttings, no seedlings, 15-18-20-25-30 in. high, 4-5-6 tiers, 2-3-4-5 years old, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each. We give big value for your money. Just think! An elephant, 6-in. pot, 4 years old, 4-5-6 tiers, 20-25 in. high, for only 75c; a jumbo, 6-in. pot, 5 year old, 25 in. and over, as wide as a bushel basket, 5-6 tiers, for only \$1.00; and what do you think! A holy terror, 30 to 40 in. and over, 5-6-7 tiers, worth \$2.00, for only \$1.25 to \$1.50.

We also have the nicest Araucaria Robusta Compacta and Excelsa Glauca, 3 to 4 tiers, 18 to 24 in. high, 25 to 30 in. across, 6-in. pots, a houseful, perfect jewels, for only \$1.25 to \$1.50, worth \$1.75 to \$2.00.

Von Sion Daffodils (double nosed), best double yellow Narcissus in cultivation, three bulbs planted in a 5½ to 6-in. pot, \$2.50 to \$3.00 per dozen pots.

Dielytra Spectabilis (Bleeding Heart), hardy, 5½ to 6-in. pots, 25c, 35c and 50c.

Murillo, Tournesole and Red Tulips in 9-in. pans, 7 to 9 bulbs in a pan, Asparagus around, 60c; 10-in., 75c.

Tulips, Tournesole, double, red and yellow variegated, and Murillo, beautifully shaded rose pink, three bulbs in one pot (4-in.), \$15.00 per 100 pots; \$1.80 per dozen.

Hyacinths, 3 plants in a 9-in. pan, edging of Asparagus Plumosus, 60c per pan; 10-in. pans, trimmed with Asparagus also, 75c to \$1.00.

Ipomea Noctiflorum, our so well-known pure white, waxy Moonvine, bearing flowers very fragrant and as big as a saucer, 2½-in. pots; will make good stock for you to propagate from; \$3.00 per 100.

Kentia Forsteriana, in fine shape, 6-in. pots, 25, 30, 35, 40-45 in. high, 4, 5, 6 years old, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each.

Kentia Belmoreana, single plants, 5½-6-7 in. pots, 5-6-7 years old, 25-30-35-40 in. high, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots, 75c, \$1.00, \$1.25 to \$1.50; 4-in. 20 in. high, 20c to 25c.

Our Ferns this year are exceptionally very fine. Boston, Scotti, Whitmani and Scholzei, 5½ and 6 in., 35c, 40 and 50c, 7-in., large, bushy plants, 75c to \$1.00. As big as a bushel basket, \$1.00 to \$1.25, 8-in., as big as a washtub, only \$1.50, worth \$2.00 to \$3.00. Remember, all our Ferns are pot-grown, not lifted from benches.

Neph. Giatrisii, a new beautiful fern, an improvement on Scotti, much shorter and bushier than Scotti, 5½ in. pots, 50c; 3-in. pots, 20c; 4-in., 25c.

Ferns for Dishes, big assortment, 2½-in. pots at \$4.00 per 100.

Spirea Gladstone.

What is a home, what is a store, what is a church, what is an Easter present, without having a few of the so much admired and so greatly in demand Spirea Gladstone, the pride of Holland? O, those charming sprays of beautiful pure white flowers! And the foliage, of such a beautiful wax deep green is a jewel in itself! Mixed with beautiful lilies and other blooming plants they will complete the flower decoration for your happy, joyful Easter home of 1912. Knowing the great demand for these plants during past Easters, when not half the customers could be supplied, we are well prepared this year for the rush, and were fortunate in spite of the scarcity last fall in Holland. When other florists' supplies were cut short by Holland growers we obtained enough of the bulbs to fill two houses with the choicest, and we are able to supply all incoming orders promptly. Price: 5½, 6 and 7 in. pots, full of buds and flowers, 35c, 50c, 75c to \$1.00 each; dozen or more, the same price. Some are as big as a small washtub.

Mention if ship with or without pots.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN, Importer, Wholesale Grower and Shipper of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

Leaders in Both Quality of Stock and in Varieties.

Our rose stock for greenhouse growing is considered the finest quality which can be produced and there are thousands of customers from California to Maine who will testify to the truth of the assertion,

DOUBLE WHITE KILLARNEY (Budlong) and KILLARNEY QUEEN are our introductions of 1912

Grafted plants..\$30.00 per 100; \$250.00 per 1000
Own root..... 25.00 per 100; 200.00 per 1000

Sunburst, of our own growing, which means quality in the young stock, at the introducer's prices.

Lady Hillingdon. The yellow rose, noted for its wonderful color and freedom of growth.

Grafted plants..\$25.00 per 100; \$200.00 per 1000
Own root.....20.00 per 100; 150.00 per 1000

Mrs. Aaron Ward, Grafted plants, \$20.00 per 100; \$150 per 1000. Own root plants, \$10.00 per 100; \$90.00 per 1000.

Melody, Own root plants,.....\$12.00 per 100
.....\$100.00 per 1000

STANDARD COMMERCIAL VARIETIES.

Killarney, White Killarney, Richmond, Mrs. Taft, (Rivoire) My Maryland, Radiance, Grafted plants, \$15.00 per 100; \$120.00 per 1000.

250 of a variety at the 1000 rate.
Special prices quoted on 5000 or more.

Commercial Chrysanthemums

Chadwick Supreme, Roman Gold, and Smith's Advance in quantity. All the choice commercial varieties.

Bedding Stock in Quantity

Coleus, Salvia, Heliotrope,

Place your orders now and be certain of your stock. We guarantee satisfaction to our customers. Satisfactory references or cash required from unknown parties.

A. N. PIERSON, Inc., Cromwell, Conn.

Catalogue Illustrations

WE have a large assortment of strictly high-class halftones of which we can supply electrocs suitable for catalogue illustrations. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock.

PR CH FOR CASH:
Only 15 cents per square inch.

The American Florist Co.
440 S. Dearbo. St., CHICAGO.

ROOTED CUTTINGS

Prepare NOW for Spring. NOW is the time to buy the cuttings. They are good now. If you wait until late Spring you cannot get as good. Our cuttings now are grand, and will make the price as follows for a few weeks: VERBENAS, 60c per 100; \$5.00 per 1000. SALVIAS, 80c per 100; \$7.00 per 1000. COLEUS, 70c per 100; \$6.00 per 1000. GIANT DBL. ALYSSUM, 80c per 100. AGERATUMS, 60c per 100; \$5.00 per 1000. PETUNIAS, \$1.25 per 100; \$10.00 per 1000. PELARGONIUMS, \$2.50 per 100; \$22.00 per 1000. HELIOTROPE, 80c per 100; \$7.00 per 1000. DAISIES, \$1.00 per 100; \$8.00 per 1000. FEVERFEW, true little gem, (no dog fennel) \$1.00 per 100; \$9.00 per 1000.
Express paid. Cash with order.

S. D. BRANT, Clay Center, Kansas.
Mention the American Florist when writing

Ferns.

4-inch heavy stock, \$12.00 per 100.
Boston, Barrowal and Elegantissima;
also 2¼-inch Boston, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio

Carnation Novelties

We can still quote March delivery on "Wodenethe" and "Brooklyn," at \$12.00 per 100; \$100.00 per 1000. Delivery on "Wodenethe" March 20th.

It will pay you to come and see these two varieties growing.

Still booking orders for

"SUNBURST,"

The Grand New Yellow Rose.

\$30.00 per 100; \$250.00 per 1000, own root.
Grafted plants, 5c extra.

By the way, our catalogue was mailed you. Did you receive it? If not, we will only be delighted to send you another.

CHAS. H. TOTTY, Madison, N. J.

AMERICAN BEAUTY PLANTS

40,000 Beauty plants, 2½ in. pots, \$6.00 per 100; \$50.00 per 1000.
American Beauty Bench Plants, 1 year old, \$6.00 per 100; \$50.00 per 1000.
Richmond Bench Plants, 1 year old, \$5.00 per 100; \$40.00 per 1000.

Satisfaction Guaranteed. Ready Now.

Geo. Reinberg, 162 N. Wabash Ave., Chicago.

When in Philadelphia

BE SURE TO LOOK US UP.

We are easily reached—only 25 miles from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming, when you will see our Palms of all sizes, from 2½-in. pots to 12-in. tubs. We are strong in

DECORATIVE PALMS

in 7-in., 9-in. and 12-in. tubs (made-up and single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place) and well established in the tubs. They are strong and healthy.

Kentia Belmoreana.				Made Up Kentia Forsteriana.				Cedar Areca Lutescens.				
Pot.	Leaves.	In. high.	Each	tub.	Plants.	In. high.	Each	Doz.	Cedar tub.	Plants in tub.	In. high.	Each
2½ in.	4	8 to 10	\$1 50	7-in.	4	36	\$2 50	\$30 00	9-in.	Several	5 ft	\$7 50
3 in.	5	12	2 00	7-in.	4	36 to 40	3 00		Pot.	Phoenix Roebeleni.		Each
4 in.		15	\$0 35	9-in.	4	40 to 42	4 00	48 00	5-in.	nicely characterized		\$1 00
5 in.	6 to 7	18	50	9-in.	4	42 to 48	5 00	60 00	6 in.	18 to 20-in. spread		1 50
6 in.	6 to 7	24	1 00	12-in.	4	48 to 54	6 00		Cedar tub.	High.	Spread.	Each
6 in.		26	1 25			5 to 5½ ft	12 50		7-in.	18-in.	24-in.	\$2 00
Ced'r tub.	L'vs.	In. high.	Each	Doz.	Cedar tub.	Spread	Each					
7 in.	6 to 7	34 to 36	\$2 50	\$30 00	9-in.	4 feet	\$3 00					
7 in.	6 to 7	36 to 38	3 00	36 00	9-in.	5 to 6 feet	5 00					
9 in.	6 to 7	40 to 45	4 00	48 00	9 in.	6 feet	6 00					
9 in.	6 to 7	42 to 48	5 00									
9 in.	6 to 7	48 to 54	6 00									
9 in.		54	7 50									

JOSEPH HEACOCK CO., Wyncote, Pa. Railway Station, Jenkintown.

THE NEW CARNATION BROOKLYN

The New "Helen" Pink A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagation, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit," Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber Grover, LYNBROOK, Long Island, NEW YORK

R. G. WILSON Fulton St. and Greene Ave., BROOKLYN, N. Y.

CHAS. H. TOTTY Madison, N. J.

CARNATIONS

Rooted Cuttings

Rosette—The bright, large-flowered dark pink carnation. Only a few thousand left for April 10th delivery.

\$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

For March delivery we can supply now:

	Per 100	Per 1000
Scarlet Glow	\$3.00	\$25.00
White Perfection	3.00	25.00
Bonfire	6.00	50.00
Rose Pink Enchantress	3.00	25.00

Quality Cuttings

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

Mention the American Florist when writing

A Clearing Sale To Make Room

DON'T MISS IT

1500 Ageratums, Stella Gurney	\$2.50 per 100	Grevilleas, Robusta	6.00 to 15.00 per 100
Antirrhinum	2.00 per 100	Heliotropes	2.00 to 8.00 per 100
Alyssum, Double Giant and Sweet	1.75 per 100	Hollyhocks	2.50 per 100
Asparagus, Plumosus and Sprenger	\$2.50 to 8.00 per 100	Honeysuckle, Japan Green	2.00 per 100
Balsam	1.00 per 100	Impatiens	2.00 to 4.00 per 100
Begonias, assortment	2.00 to 6.00 per 100	Ivy, English, German	2.00 to 12.00 per 100
Chrysanthemums, 10 best vars.	2.25 to 4.00 per 100	Lobelia, 4 varieties	1.75 to 4.00 per 100
Coleus	2.00 to 4.00 per 100	Petunias	2.00 to 7.00 per 100
Daisies	1.50 to 4.00 per 100	Salvias, Zurich and Bonfire	2.00 to 7.00 per 100
Dracena Indivisa	3.00 to 10.00 per 100	Smilax	2.00 per 100
Ferns, Boston	4.00 to 25.00 per 100	Snapdragons	2.00 to 4.00 per 100
Feverfew, D. W. Little Gem	3.00 per 100	Stocks	2.00 to 5.00 per 100
Forget-me-not	2.00 to 8.00 per 100	Swainsons, F. & W.	1.50 to 4.00 per 100
Geraniums, mixed	2.50 to 12.00 per 100	Tradescantias, Var. and Brown	2.00 to 5.00 per 100
Gladiolus, mixed	6.00 per 100	Cyperus Alternifolius	2.00 to 10.00 per 100
		Vincas, Variegated	2.00 to 12.00 per 100

All the above to be moved at once to make room for our spring improvements. All strong and healthy stock and guaranteed to be true to name, and if you are looking for a snap, here it is.

The Meredith Flower and Vegetable Co.
Libertyville, Illinois

ROSES — POT GROWN — ROSES

NEW ROSES FOR 1912

Double White Killarney—(Budlong)

The most valuable White Forcing Rose ever offered,

and Killarney Queen—(Budlong)

A cerise pink sport of Killarney.

Own roots.....each, 75c; doz., \$6.00; 100, \$25.00; 1000, \$200.00
 Grafted.....each, 75c; doz., 7.50; 100, 30.00; 1000, 250.00

Lady Hillingdon.

An excellent forcing variety of a deep coppery yellow.

Own roots.....each, 40c; doz., \$3.00; 100, \$20.00; 1000, \$150.00
 Grafted.....each, 40c; doz., 4.00; 100, 25.00; 1000, 200.00

Sunburst.

An intense shade of golden yellow. Own roots...each, 50c doz., \$5.00

STANDARD SORTS

	Own Roots			Grafted				Own Roots			Grafted		
	Dozen	100	1000	Dozen	100	1000		Dozen	100	1000	Dozen	100	1000
Killarney.....	85	6.00	55.00	\$2.00	15.00	140.00	Mrs. Aaron Ward.....	\$1.50	10.00	95.00	3.00	20.00	190.00
“ Double Pink.....	2.50	12.00	110.00	3.00	20.00	191.00	My Maryland.....				2.00	15.00	140.00
“ White.....	1.00	7.00	65.00	2.00	15.00	140.00	and many other kinds too numerous to mention Ask for prices.						

Place your order now and we will ship when you are ready.
 Don't fail to see our advertisement for dormant roses in another part of this paper.

CHICAGO

VAUGHAN'S SEED STORE,

NEW YORK

Greenhouses, Nursery and Trial Grounds at Western Springs, Ill.

- Asparagus Plumosus and Sprengeri, 3-in. pots \$4.00 per 100.
- Daisy (new), Mrs. F. Sanders, 2½-in. pots, \$5.00 per 100.
- Ivy, English Hardy, 4-in. pots, \$1.00 per dozen; 3-in. pots, \$4.00 per 100.
- Passiflora Cerulea and Plordii, 3-in. pots, \$4.00 per 100.
- Geraniums, Rose and Nutmeg, 3-in. pots, \$3.00 per 100.
- Clematis, large-flowering varieties, red, white and blue, 5-in. pots, \$2.00 per dozen; extra strong 6-in. pots, \$3.00 per dozen.
- Smilax, 3-in. pots, \$4.00 per 100.
- Swainsona Alba, 2½-in. pots, \$3.00 per 100.
- Carnations, fine plants from soil; Boston Market, still one of the best white, \$2.00 per 100; Eucharist, pink and white, \$3.00 per 100.
- Stock from 2½-in. pots, \$2.50 per 100: Abutilon Savitzi; Cupheas; Asparagus Sprengeri; Ageratum blue; salvia Bonfire; Alyssum, dbl., white; Lobelia, single, blue.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

Easter Plants

- BABY RAMBLERS Fine Large Plants in Bloom, 50cts. each.
- SPIRAEA in Bloom, 40cts. each.
- A Full Line of Blooming and DECORATIVE PLANTS for Easter.

Send for List.

Holton & Hunkel Co.

Milwaukee, Wis.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

Lilies! Lilies! Lilies!

Lilies! Lilies! Lilies! If you have neglected to order, or are running short, we can supply you 3 to 8 bud plants at 12½c per bud. Wire, if too late to write.
Hydrangeas! Hydrangeas! Hydrangeas! The largest and finest stock in the Middle West 6, 7 and 8 ranging from 3 to 16 heads from 75c \$1.00, \$1.25, \$1.50, \$2.00, \$2.50 and up, each. Write or wire.
Spireas! Spireas! Spireas! Last call for Easter—5 varieties—35c, 50c and 75c.
Red, White and Pink Rambler Roses, 4 in., at \$4.00 to \$6.00 per doz.; 6 in. Red only \$6.00 to \$9.00 per doz.
Cinerarias, 4 in., 15c; 5 in., 25c.

SOFT WOODED LIST

	R.C.	2½-in.	3-in.	4-in.		R.C.	2½-in.	3-in.	4-in.
Ageratum.....	\$0.75	\$2.00			Daisies, Q. Alex. & Yellow	\$2.00	\$5.00	\$8.00	
Alyssum n. Single & Double		3.50			Dianthus, Clumps 50c each.				
Aitneranthera, Red and yellow.....		2.50			Euphorbia.....		3.50		
Abutilon.....		8.00			Feverfew.....	1.00	3.50	7.50	\$12.50
Antirrhinum.....		3.50	\$5.00		Fuchsias, 10 varieties.....	1.50	5.00	7.50	
Asters.....		2.50			Gloxinias, 5 in., \$25.00				
Achyranthes.....	.75	2.50			Geraniums (See other list)	2.00	3.50	5.00	8-10
Begonias, Rex.....		5.00	\$10.00	\$25.00	Gallardia, Gypsophila.....		3.50		
“ Spiral Rex.....		7.50	12.50	35.00	Hellebore.....		1.00	3.50	7.50
“ Luminosa and blooming var.....		3.50	8.00	15.00	Impatiens, Sultan.....		2.50	5.00	8.00
“ Tuberosa rooted 5-in., \$25.00.....		15.00			Iris, German.....		2.00	5.00	7.50
Browallia.....		3.50			“ English.....		7.50	10.00	
Caulophyllum.....		3.50			Ice Plant.....		5.00		
Centaurea, Cleome, Cypress.....		3.50			Lantanas, Lobelia.....		3.50		
Cupheas.....		3.50			Moonvines.....	2.50	4.00	7.50	12.00
Carnations, R.C. \$3.00 to \$4.00					Musa.....				10.00
Cobaea Scandens.....		2.50	5.00		Mignonette, Pyrethrum.....		3.50		
Colceas.....	.60	2.50	5.00	10.00	Petunias.....		5.00	8.00	12.50
Cannas, Named Varieties.....			5.00	10.00	Periwinkles.....		3.50	6.00	
Cannas, King Humbert.....			7.50	15.00	Ricinus, "Astor Beau.....			7.50	
Caladiums, 5-inch, \$15.00; Farcy Leaved.....		15.00		25.00	Thunbergia and trades-centia.....		3.50	5.00	
Chrysanthemums.....	2.00	3.50			Santolina.....		5.00		
Dracenas, 5 in., \$35.00.....			7.50	15.00	Salvia.....	2.00	3.50	5.00	12.50
Daisies, Paris.....	1.50	3.50	6.00		Stocks.....		3.50		

GEO. A. KUHL,

Wholesale Grower,

PEKIN, ILL.

Mention the American Florist when writing

Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

Roses.

Ramblers, Hybrid Teas, Hybrid Perpetuals, Dwarf Polyanthas, Standards and Half Standards.

Rhododendrons.

18-24 inches, well budded, named varieties, forcing stock, as well as kinds for outdoors, \$40.00 per 100.

Lily of the Valley.

Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.

TELL US YOUR WANTS.

Jackson & Perkins Company,

Nurserymen and Florists (Wholesale only), Newark, Wayne Co., New York

Budding Knife Free. See Page 580.

Dreer's Specials in Hardy Delphiniums



DELPHINIUM BELLADONNA.

Choice Hybrid Delphiniums

Amos Perry. Semi-double flowers of a rich rosy mauve flushed with sky-blue; conspicuous black eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.
Alfred Henderson. Bold massive spikes of rich, rosy lavender with white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.
Belladonna. The freest of all, never out of bloom. Beautiful turquoise-blue flowers. 15 cents each; \$1.50 per dozen; \$12.00 per 100.
Carmon. Large individual flowers, deep Gentian-blue; smaller petals in the centre, rosy plum with a deep brown eye, 30 cents each; \$3.00 per dozen; \$25.00 per 100.
Duke of Connaught. Rich Oxford-blue, with bold white eye; fine large flowers. 25 cents each; \$2.50 per dozen; \$20.00 per 100.
Genova. One of the finest light Delphiniums; a pleasing light-blue shade and a pure white eye; many branching stems. 25 cents each; \$2.50 per dozen; \$20.00 per 100.
Julia. Gigantic flowers of a pretty cornflower-blue; beautifully veined with rose; large, pure, white eye arranged on a most symmetrical spike. 25 cents each; \$2.50 per dozen; \$20.00 per 100.
Lamartine. Similar in habit of growth to Belladonna, but with rich Gentian-blue flowers with white centre; very distinct and handsome. 20 cents each; \$2.00 per dozen; \$15 per 100.
Mme. Violet Geslin. Perfectly round semi-double flowers of a clear blue; lavender centre, bold white eye and evenly arranged in spikes 5 to 6 feet high; a gem. 30 cents each; \$3.00 per dozen; \$25.00 per 100.
Portia. Lovely cornflower-blue, but with just the faintest flash of rose; black centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.
Queen Wilhelmina. One of the finest of the newer hybrids; immense flowers of a soft lavender-blue, flushed rose, with a very conspicuous white eye. 30 cents each; \$3.00 per dozen; \$25.00 per 100.
St. Paul. Large bold flowers two inches across; sky-blue; inner petals rosy-plum; white eye; a most telling variety. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

New Delphiniums

Hybridum Moerheimi. This is the first really white hybrid Delphinium introduced. The plant is of strong, vigorous growth, 5 feet high, the lateral or side shoots 2½ feet high. The flowers are of purest white, without the slightest shading; a free and continuous bloomer from June till frost. Stock limited. \$1.00 each.
Belladonna Hessen. A variety of the beautiful Belladonna in which the coloring is a more intense blue; flowers fully 1½ inches across. 50 cents each.
Nassau. Another very branching variation, with soft blue flowers of extra large size. 50 cents each.
Capri. Of the same fine habit of growth as Moerheimi, having the same parentage, but with large flowers of a beautiful sky-blue; the best of its type. \$1.00 each.

Select Standard Varieties of Delphiniums

	Per doz.	Per 100
Chinese. Free-flowering, gentian-blue	\$0 85	\$6 00
Chinese Alba. A white form of the above	85	6 00
Ferrousium. The old favorite dark-blue variety	85	6 00
Sulphureum (Zall). Pure sulphur yellow flowers produced in great profusion during July and August	2 00	15 00
Mixed Hybrids. A fine lot of seedlings grown from a very select strain of seeds	85	6 00
Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids ever offered; grown from seed produced by one of the best named collections	1 25	8 00

Our Spring Wholesale List is now being mailed, offering the most complete line of Hardy Perennials, Large Roses in Pots, specially prepared for the retail trade, Hardy Vines and Climbers, Shrubs, Decorative Stock, Box Woods, Bay Trees, Water Lilies, in fact everything seasonable in Plants, Bulbs and Seeds. The most complete list of its kind published.

The above prices are intended for the trade only.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Easter Plants

BABY RAMBLERS Fine Large Plants in Bloom, 50cts. each.

SPIRAEA in Bloom, 40cts. each.

A Full Line of Blooming and **DECORATIVE PLANTS** for Easter.

Send for List.

Holton & Hunkel Co.

Milwaukee, Wis.

Mention the American Florist when writing

Roses, Cannas, Shrubs

Ask for New Price List

THE CONARD & JONES CO.

WEST GROVE, PA.

Mention the American Florist when writing

SEASONABLE STOCK YOU SURELY WILL WANT

Ampelopsis Veitchii, 1 and 2 year old No. 1, \$4.00 and \$8.00 per 100; fine field grown stock with long live vines. **Clematis Paniculata XX** 2 year field grown vines, \$7.00 per 100; 3 year vines, very heavy, \$8.00 per 100. 200,000 **Privet**, all sizes. **Shrubs, Vines, Bulbs, etc.** low; get my list, it will pay.
BENJ. CONNELL, Florist, Merchantville, N. J.

LAST CALL! My New Variegated Carnation

BENORA

Is a GEM every carnation lover should grow. One of the most fragrant varieties in existence.

Per 1000, \$100.00. 250 at 1000 rate.
 Per 100, \$12.00. 50 at 100 rate.

Only a limited number of cuttings left for immediate shipment. Cultural directions with each order.

PETER FISHER, Ellis, Mass.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
 WEST GROVE, PA.

Phoenix Canariensis balled by the carload, 3, 3½, 4, 4½, 5, 5½, 6 ft., at 40c, 55c, 75c, 95c, \$1.20, \$1.45 and \$1.75 each.

Areca Sapida potted, 2½, 3, 3½, 4, 4½, 5, 5½, 6 ft., at \$1.00, \$1.30, \$1.60, \$1.90, \$2.20, \$2.50, \$2.80 and \$3.10.

On small orders, 25% extra, packing included.

THE KENTIA NURSERIES,
 Gillespie St. & Fisher Ave., Santa Barbara, Cal.

PALMS, FERNS

AND

Decorative Plants

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

Roses Originated by Jackson Dawson

Write for pamphlet, including prices.

EASTERN NURSERIES,
 1090 Centre St., JAMAICA PLAIN, MASS.
 H. S. DAWSON, Manager.

Easter Plants

BABY RAMBLERS Fine Large Plants in Bloom, 50cts. each.

SPIRAEA in Bloom, 40cts. each.

A Full Line of Blooming and **DECORATIVE PLANTS** for Easter.

Send for List.

Holton & Hunkel Co.
Milwaukee, Wis.

Orchids

Fresh Importations

Commercial Varieties

First Arrivals Now in Transit

Correspondence Solicited

G. L. Freeman, Wellfleet, Mass.
Mention the American Florist when writing

Orchid Trade

H. STANLEY (Late Stanley & Co.),

Sandcross Lane, REIGATE, ENGLAND,
will ship *Oncid. Varicosum* and *Capt. Loddigesii* in April and May. Enquire now.

ORCHID PEAT

(*Osmunda Fibre*)

Price Lists and Samples on request.

THE C. W. BROWNELL CO.,
WALDEN, N. Y.

CHRYSANTHEMUMS....

2-in. pots.

Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, at \$7.00 per 100.

ELI CROSS,

25 Monroe Street GRAND RAPIDS, MICH.

STOCKS

Beauty of Nice, Pink, Red and Lavender, also a fine lot of *snagdragons* in colors. The above will be fine for Decoration Day. Out of 2½ in., \$2.00 per 100; \$5.00 for 300.

J. C. SCHMIDT, Bristol, Pa.

LEEDLE ROSES.

BIG VALUES.

See adv., page 550, March 23.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

BUDDING KNIFE FREE

See Page 580.

You Can Be Independent on Five Acres of Land if You Grow Berries

With a hundred berry plants you can find health and enjoyment. With five acres you can be independent; with twice that you can become rich. High cost of living, health, enjoyment, recreation, independence — these are the problems berry growing solves.

Get My Invaluable Berry Book

I've studied living conditions for a good many years, while I produced berries of all kinds. The results are summed up in the one book of its kind published in America.

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Pyramidal Box Tree.

Due to arrive May 1st to 15th.

Prices include tubs.

Standard or Tree Shaped.

Stems	Crowns	Each	Pair
36 in.	24 in.	\$ 7 00	\$13 00
45 in.	26 in.	7 50	14 00
45 in.	28 in.	8 00	15 00
45 in.	30 in.	10 00	18 00
48 in.	34 in.	12 00	22 00
48 in.	40 in.	15 00	28 00

Dwarf Standards

Stems	Crowns	Each	Pair
30 in.	24 in.	\$ 7 00	\$13 00
18 in.	24 in.	7 00	13 00
12 in.	30 in.	7 50	14 00

Pyramid Shaped.

Diameter at Base	Each	Pair
5 ft. high, 24 in.	\$ 8 00	\$15 00
6 ft. high, 26 in.	10 00	18 00

Ampelopsis Veitchii.

(Japan or Boston Ivy.)

	Each	Doz.	100
2-year-old plants...	\$0 15	\$1 75	\$12 00
3-year-old plants...	20	2 00	15 00

Due to arrive April 10th to 20th.

Prices include green tubs.

10 per cent discount if wanted out of tubs.

Standard or Tree Shaped.

18-26 in. stem, 18 in. crown.	\$3 00	\$5 50
18-26 in. stem, 24 in. crown.	4 50	8 00

Pyramid Shaped.

	Each	Pair
2 1/2 ft. high.	\$2 00	\$ 3 75
3 ft. high.	2 50	4 50
3 1/2 ft. high.	3 00	5 50
4 ft. high.	4 00	7 50
5 1/2 ft. high.	7 50	14 00

Globe Shaped.

15 in. high, 15 in. in diam.	\$2 25	4 00
18 in. high, 18 in. in diam.	2 75	5 00

Bush Shaped.

Prices do not include tubs.

	Each	Doz.	100
12 in.	\$0 35	\$ 3 60	\$25 00
18 in.	60	6 50	
20 in.	75	8 00	
24 in.	1 00	10 00	
30 in.	2 50	per pair \$4 50	
36 in.	3 50	per pair 6 00	

Clematis Paniculata.

	Each	Doz.	100
2-year-old clumps...	\$0 15	\$1 50	\$10 00
3-year-old clumps...	20	2 00	15 00
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	Each	Doz.	100
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3 year	25	2 50	16 00
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3 year, selected.	45	4 50	30 00
Orleans, 2 year, bushy.	35	3 50	
Phyllis, 2 year.	\$0 25	\$2 00	\$16 00

Hybrid Perpetuals.

	Each	Doz.	100
American Beauty	\$0 20	\$2 00	\$15 00
Baroness Rothschild	20	2 00	14 00
Fisher Holmes	20	2 00	14 00
Frau Karl Druschki	20	2 00	15 00
General Jacqueminot	20	2 00	14 00
General Washington	20	2 00	14 00
Hugh Dickson	25	2 50	18 00
John Hopper	20	2 00	14 00
Mme. G. Luizet	20	2 00	14 00
Magna Charta	20	2 00	14 00
M. P. Wilder	20	2 00	14 00
Mrs. John Laing	20	2 00	14 00
Mrs. R. G. S. Crawford	20	2 00	14 00
Paul Neyron	20	2 00	14 00
Prince G. de Rohan	20	2 00	14 00
Ulrich Brunner	20	2 00	14 00

Hybrid Teas.

	Each	Doz.	100
Captain Christy	\$0 20	\$2 00	\$15 00
Caroline Testout	20	2 00	15 00
Grass an Teplitz	20	2 00	15 00
J. B. Clark	20	2 00	15 00
Jonkheer J. L. Muck (new)	35	3 50	25 00
Kaiserine A. Victoria	25	2 50	18 00
Killarney	25	2 50	18 00
La France	20	2 00	15 00
Mme. Abel Chatenay	20	2 00	15 00
White Killarney	30	3 00	22 00

Rugosas.

	Each	Doz.	100
Blanche Double de Cuvert, white	\$0 20	\$2 00	\$16 00
Conrad F. Meyer, clear silvery rose	20	2 00	16 00
Mad. G. Bruant, semi-double white	20	2 00	16 00
Rugosa Alba and Rubra, single	20	2 00	15 00

Climbers.

	Each	Doz.	100
American Pillar	\$0 30	\$3 00	\$22 00
Baltimore Belle	20	2 00	12 00
Crimson Rambler, 2 yr.	20	2 00	15 00
3 yr. select.	25	2 50	18 00
Dorothy Perkins, 2 yr.	20	2 00	15 00
Flower of Fairfield	25	2 50	18 00
Hiawatha	30	3 00	20 00
Lady Gay	30	3 00	20 00
Prairie Queen	20	2 00	14 00
Tausenschan	25	2 50	18 00
Veilchenblau	20	2 00	16 00
White Dorothy Perkins	30	3 00	20 00

Various Sorts.

	Each	Doz.	100
Hermosa	\$0 20	\$2 00	\$15 00
Memorial Roses, white, flesh and pink	20	2 00	15 00
Moss, Double Pink, Red or White	20	2 00	15 00
Persian Yellow	20	2 00	15 00
Soleil d'Or	25	2 50	18 00
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Geraniums, 2 1/2, April 20th	3.00
Asp. Plumosus and Sprenger, 2 1/4 pots, May 1st	2.00

	Per 100
10 varieties, 2 1/4 pot	\$2.00
Verbena, 2 1/4 pot	2.00
Petunias, May 1st	3.00
Canna, 10 varieties, 3 in. pot	4.00
King Humbert, 3 in. pot	6.00
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Jos. H. Cunningham, - - Delaware, O.

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Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

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Araucarias, 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; 18 per doz. The Geo. Witthold Co., Edgebrook, Chicago, Ill.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechsli, 4911 Quincy St., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

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Asparagus plumosus nanus, 2 1/4-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechsli, 4911 Quincy St., Chicago.

Asparagus plumosus, 2 1/4-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2 1/4-in., \$2.50 per 100; \$22 per 1,000. Storra & Harrison Co., Painesville, O.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Ermans, Newton, N. J.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengeri, 2 1/4-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2 1/2-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprengeri, can be shifted into 5-in., \$6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, \$2.50 per 100; \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 1/4-in., \$2 per 100; \$18 per 1,000. Joseph H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengeri plants. W. H. Elliff, Brighton, Mass.

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Aspidistras, variegated, 15c per leaf. The Geo. Witthold Co., Edgebrook, Chicago, Ill.

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Azaleas, Empress of India, 75c, \$1 and \$1.50 each. Van der Cruyssen, 75c, \$1, \$1.50 each. The Geo. Witthold Co., Edgebrook, Chicago, Ill.

Azalea mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea mollis, 12-15 ins., 10 to 16 buds, \$25 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

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Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Bedding plants. For varieties and prices see advertisement elsewhere in this issue. The Meredith Flower and Vegetable Co., Libertyville, Ill.

BEGONIAS.

Begonia, Lorraine, 2 1/2 in. pots, \$12 per 100; \$50 per 500. Begonia Cincinnati, \$15 per 100. Begonia Agathe, Turnford Hall, Betty Anderson, La Patrie, \$2.00 per doz., \$12.00 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

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Begonia Lorraine, 2 1/4-in. pots, \$12 per 100; \$50 per 500. Begonia Cincinnati, \$15 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

Begonia Glory of Cincinnati, young shoots from base, \$15 per 100; \$140 per 1,000. J. A. Peterson, Cincinnati, O.

Begonia, Vernon, white and pink, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Rex begonia, assorted, 3-in., \$5 per 100. The Dingee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Bush box, 12 in., 30c each; \$25 per 100. Storra & Harrison Co., Painesville, O.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

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Bulbs, tuberose, true Dwarf Pearl, 1st size, 4-6 in., \$9 per 1,000; medium, 3-4 in., \$5. Gladiolus, Mrs. Francis King, medium, \$17; Augusta, medium, \$16; America, medium, \$27.50; Kernerdi "Glory", \$7 per 100; \$70 per 1,000. Florist XXX, mixed, \$15. Caladiums, esculentum, 5-7 in., \$15 per 1,000; 7-9, \$30; 9-11, \$55. Lillium album, 8-9, \$95 per 1,000. L. Rubrum, 9-11, \$80; L. auratum, 8-9, \$50; 9-11, \$80. L. giganteum, 250 or 300 to case, 7-9, \$65. Vaughan's Seed Store, Chicago and New York.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Gladiol bulbs. Extra choice mixture of Groff's Hybrids. Choice named varieties among lot, 1 1/2 to 2 1/4-in., \$6.75 per 1,000; 80c per 100; 1 to 1 1/2-in., \$3.50 per 1,000; 40c per 100; under 1-in., \$1.50 per 1,000; 25c per 100. Pearl G. Waltz, R. D. 24, Box 122, South Akron, Ohio.

Bulbs, tuberose, dwarf Pearl, 1st prize, \$1.10 per 100; \$9.50 per 1,000. Caladiums, 5-7 in., \$2 per 100; 7-9, \$3.50; 9-11, \$6 per 100. Begonias, dbl. separate, \$4 per 100; \$35 per 1,000. Gloxinias, separate colors, \$3.50 per 100; \$30 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs, Lillium Harrisii, 7-9, \$17 per case of 250 bulbs. White hyacinths, 12-15 cms., \$13 per 1,000. Paper White Grandi, Narcissus, \$3 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lillium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Gladiolus, Mrs. Francis King, 2nd size, \$12 per 1,000; 3rd size, \$8. The Geo. Witthold Co., Edgebrook, Chicago, Ill.

Gladiolus. For varieties and prices see advertisement elsewhere in this issue. Mallory & Brown, Madison, Wis.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lillies. E. S. Miller, Wading River, N. Y.

Bulbs, hyacinths, tulips, narcissus, crocus, spireas, gladiolus, peonies, etc. Van Zanten Bros., Hillegom, Holland.

Gladiolus. I have a small surplus of named gladioli that I offer at reduced prices. Write for surplus list. LILLESAND, Cambridge, Wis.

Gladiolus. For varieties and prices see advertisement elsewhere in this issue. Arthur Cowee, Meadowvale Farms, Berlin, N. Y.

Bulbs, begonias and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs, Surplus of L. Multiflorum, 7-9, Yorkama Nursery Co., 31 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, Dutch. W. J. Eldering & Son, Overveen, Holland.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crimson Bedder, Chas. Henderson, David Harum, Allemania, Shenandoah, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Cannas. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr., & Sons Co., White Marsh, Md.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Cannas. For varieties and prices, see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Cannas, Chas. Henderson, 2 to 3 eyes, \$2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

CARNATIONS.		
Strong, Well Rotted Cuttings.		
	Per 100	Per 1000
Washington	6.00	50.00
White Wonder	6.00	50.00
Glriosa	6.00	50.00
Pink Delight	6.00	50.00
Bonfire	6.00	50.00
Christmas Cheer	6.00	50.00
Princess Charming	6.00	50.00
White Enchantress, pure white	3.00	25.00
White Perfection	3.00	25.00
Victory	3.00	25.00
Scarlet Glow	3.00	25.00
Afterglow	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Dorothy Gordon	3.00	25.00
Enchantress	3.00	25.00
May Day, very fine	3.00	25.00

CHICAGO CARNATION CO.

A. T. Pyfer, Mgr., 30 E. Randolph St., Chicago.

FINE CARNATION CUTTINGS.

	Per 100	Per 1000
Victory	2.00	15.00
Winsor	2.00	15.00
White Lawson	2.00	15.00
Pink Lawson	2.00	15.00
Washington	6.00	50.00
Enchantress	3.00	25.00

WIETOR BROTHERS,

162 N. Wabash Ave., Chicago.

Carnations, White Wonder, Norwood, \$6 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Enchantress, Enchantress, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Rose Pink Enchantress from soil, \$24 per 1,000. Enchantress from soil, \$29 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

ROOTED CARNATIONS from 2-in. pots, clean, vigorous stock; Enchantress, White Perfection and Victory, \$4 per 100; \$35 per 1,000. Winsor, White and Pink Lawson, \$3.50 per 100; \$30 per 1,000. Cash or reference. Blitch-Long Greenhouses, Denver, Colo.

Carnations, Washington, Bright Spot, \$6 per 100; \$50 per 1,000. Mrs. C. W. Ward, \$4 per 100; \$30 per 1,000. Sangamo, Dorothy Gordon, White Enchantress, Enchantress, White Perfection, May Day, Beacon, Scarlet Glow, \$3 per 100; \$25 per 1,000. A. C. Brown, Springfield, Ill.

Carnations, Rosette, \$12 per 100; \$100 per 1,000. Scarlet Glow, White Perfection, \$3 per 100; \$25 per 1,000. Bonfire, \$6 per 100; \$50 per 1,000. Rose P. Enchantress, \$3 per 100; \$25 per 1,000. F. Dornier & Sons Co., LaFayette, Ind.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000. White Wonder, \$6 per 100; \$50 per 1,000. Smith & Gannett, Geneva, N. Y.

Carnations, Washington, \$4 per 100; \$35 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000. Beacon, \$3 per 100; \$25 per 1,000. May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Dea Plaines Floral Co., Dea Plaines, Ill.

Carnations, strong rooted stem cuttings, Washington, \$50 per 1,000. Winsor, \$15 per 1,000. Victory, \$13 per 1,000. White Perfection for later delivery, \$15 per 1,000. 100 at 1,000 rate. Cash or references. Northwestern Floral Co., Gross Point, Ill.

Carnations, W. Perfection, Winona, Mrs. Ward, Beacon, \$2.50 per 100; \$20 per 1,000. Victory, \$2 per 100; \$15 per 1,000. White Wonder and Washington, \$5 per 100. A. M. Herr, Lancaster, Pa.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y. Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward, White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnations, Beacon, White Enchantress, \$2.50 per 100; \$20 per 1,000. R. P. Enchantress, Enchantress, \$2 per 100; \$17.50 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Carnations, strong 2-in. stock, Mrs. C. W. Ward, Alvina Ward and Dorothy Gordon, \$3.50 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Carnations, rooted cuttings, White, Light Pink and Enchantress, \$20 per 1,000. Percy Jones, 56 E. Randolph St., Chicago.

Carnations, White Enchantress, \$25 per 1,000. Mrs. C. W. Ward, \$30. White Wonder, \$50. D. G. Hill Co., Richmond, Ind.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Coles, Kokomo, Ind.

Carnation Benora, \$12 per 100; \$100 per 1,000. Peter Fisher, Ellis, Mass.

Carnations. Wm. Swayne, Box 85, Kennett Square, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.		
March 1st delivery.		
	R. C. Per 100	Per 1,000
Crimson	2.00	15.00
Pockett's Crimson	\$2.50	\$20.00
Intensity	2.00	15.00
White	R. C. Per 100	Per 1,000
Alice Byron	\$2.00	\$15.00
Touset	2.00	15.00
October Frost	2.00	15.00
Yellow	R. C. Per 100	Per 1,000
Crocus	\$4.00	\$35.00
Golden Glow	2.00	15.00
Holiday	2.00	15.00
Maj. Bonaffon	2.00	15.00
Pink	R. C. Per 100	Per 1,000
Pacific Supreme	\$2.00	\$15.00

J. D. THOMPSON CARNATION CO., JOLIET, ILL.

Chrysanthemums, Early Snow, Estelle, Golden Glow, Pacific, Supreme, Bonaffon, J. Nonin, Nagoya, rooted cuttings, \$1 per 100. Edward Wallia, Atco, N. J.

Chrysanthemums, Major Bonaffon, Standard yellow, every plant well rooted, \$1.50 per 100; \$12.50 per 1,000. Cash with order. Charles M. Weaver, Ronks, Pa.

Chrysanthemums, 2-in. pots, Smith's Advance, Unaka, Glen Cove, Mrs. David Syme, \$7 per 100. Eli Cross, Grand Rapids, Mich.

Chrysanthemum Maximum perfectum (improved Shasta daisy), seedlings, \$5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Chrysanthemums. Our collection of over 50 varieties cover all that is desirable. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums, Chadwick Supreme, Roman Gold and Smith's Advance. A. N. Pierson, Inc., Cromwell, Conn.

Hardy chrysanthemums, 2-in., \$2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Chrysanthemums, commercial varieties. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums. Wm. Swayne, Box 85, Kennett Square, Pa.

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

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

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Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlia, a choice list of best novelties and varieties for cutting or garden use. True to name. Send for catalogue of dahlias, hollyhucks, hardy plants, etc. Prices reasonable. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlias, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, new and standard varieties. Bassett & Weller, Hampton, N. J.

Dahlias. B. Stanley Brown, East Moriches, Suffolk Co., N. Y.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

DAISY HEADQUARTERS. We offer among Mrs. Sander, the new large double white, 2 1/2-in., \$4 per 100; 2 1/2-in., \$5; 3-in., \$6. Soleil D'or, best yellow, 2 1/2-in., \$4 per 100; 3-in., \$5. Queen Alexandra, fine white, 2 1/2-in., \$4 per 100; 3-in., \$5. Immediate delivery. WELLDAND & RISCH, 154 N. Wabash Ave., Chicago.

Marguerites, yellow, cuttings, \$6 per 1,000; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Shasta daisies, 2 1/2-in., \$3 per 100. G. Aachmann, 1012 W. Ontario St., Philadelphia.

DRACAENAS.

Dracena indivisa, 2-in., \$3 per 100; \$25 per 1,000; 7-in., \$1.25 each; \$15 per doz. Dracena Massangeana, \$1.25 each; 7-in., \$1.50 each. Dracena terminalis, 4-in., 35c each; \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dracenn Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

EASTER PLANTS.

Easter Lilies, 10c per bud or bloom. Smith & Gannett, Geneva, N. Y.

Soft wooded plants. Write us for complete spring lists. Geo. A. Kuhl, Pekin, Ill.

Lillies, 2, 3, 4, 5, 6, 8 buds. Order now. We can ship so they will be right for Easter, 12 1/2c per bud. Geo. A. Kuhl, Pekin, Ill.

FERNS.

Ferna, Boston, 2-in., \$3 per 100; \$25 per 1,000; 3-in., \$1 per doz.; \$8 per 100; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz. Boston fern baskets, \$1 to \$2 each. Assorted ferns for dishes, 2-in., 40c per doz.; \$3 per 100; \$25 per 1,000. Cibotum, 7-in., \$2.50 each; \$30 per doz.; 8-in., \$3 each, \$36 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns, Amerpohl, Barrows, Scotti, Elegantisima, Boston, Jackson, Sword and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dingee & Coard Co., West Grove, Pa.

Ferna for dishes, transplanted, ready for putting, five varieties, \$1 per 100; \$9 per 1,000; 2-in., 8 varieties, \$3 per 100; \$25 per 1,000. Cash, please. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferna. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns. For varieties and prices see advertisement elsewhere in this issue. G. Aachmann, 1012 W. Ontario St., Philadelphia.

Ferna, 4-in., \$12 per 100. Boston, Barrows, Elegantisima. Also 2 1/2-in. Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferna. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferna. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, fine, double flowers, the best of all, \$1 per 100; \$9 per 1,000. Praipaid. C. Humfeld, Clay Center, Kans.

FICUS.

Ficus elastica, 6-in., 50c each; \$6 per doz. Ficus repens, 2 1/2-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

GERANIUMS.

GERANIUMS. Extra strong 2-in. stock for immediate or later delivery, S. A. Nutt, Jean Vnaud, Ricard, Poltevluc, Sam Slean, Perillon, single and double White, etc., etc., \$3 per 100; \$25 per 1,000. Cash or reference. Elitch-Long Greenhouses, Denver, Colo.

ROOTED GERANIUM CUTTINGS. Nutt, Grant, Poltevluc, Buckner, for delivery March 15th to 30th, \$1.50 per 100; \$14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Fenical Geraniums, double bright sage color, clusters measure 3 to 6 ins., 2 1/2-in., \$2.75 per 100; 3 1/2-in., \$5 per 100. Linus Fenical, Middletown, Pa.

Geraniums, Nutt, \$11.50 per 1,000. Ricard and Poltevluc, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums—For varieties and prices see advertisement on front cover of this issue. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poltevluc, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 33-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, Henry M. Robinson & Co., 46 W. 20th St., New York.

HARDY PLANTS.

HARDY PLANTS. Hardy Native Ferns and Plants. Catalog for asking. L. E. Williams, Exeter, N. H.

Herbaceous plants. Bobbink & Atkins, Ruthersford, N. J.

HOLLYHOCKS.

HOLLYHOCKS.—A fancy mixture of the Allegheny strain. Pure, clean seed, \$4 per lb. Why not grow your own plants? W. W. Wilmore, Box 382, Denver, Colo.

HOLLYHOCK SEED. Fancy mixed, single and double varieties. Write for our low price, stating quantity you can use. Elitch-Long Greenhouses, Denver, Colo.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, Albert De Laux, Chieftain, Mme. Bruant, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope, A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otaksa, 6-7-in., 3 to 4 flowering stems, \$5 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea Otaksa, 2 to 7 heads, 6-in., 35c to \$1.50 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Parlor Ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, German, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English Ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

English ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantana, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantana, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, M. Legraye, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandabek, nr. Hamburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the Valley, Chicago Market Brand, \$2 per 100; \$17 per 1,000. Florista' Money Maker, \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3038-42 W. Madison St., Chicago.

LOBELIAS.

Lobelia Kathleen Mallard, rooted cuttings, \$6 per 1,000; 2-in., \$3 per 100; \$25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

MUSHROOM SPAWN.

Mushroom Spawm. Lambert's Pure Culture. American Spawm Co., St. Paul, Minn.

NURSERY STOCK.

900 White Snowberry, 2 1/2 to 3 1/2 feet, \$5 per 100. 1,500 Golden Willow, 3 to 4 feet, \$4 per 100. 800 Buckthorn, 4 to 5 feet, \$5 per 100. Spirea Van Houttei, 2 1/2 to 3 1/2 feet, \$5 per 100. HENRY LAKE SONS CO., Nurserymen, Black River Falls, Wis.

NURSERY STOCK.

Hardy Native Ornamental Stock. Catalog for asking. L. E. Williams, Exeter, N. H.

Nursery stock, trees, shrubs and perennials. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Japan Maple, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Nursery stock, Ampelopsis Veitchii, Clematis paniculata, privet, shrubs, vines, bulbs, etc. Benj. Connell, Merchantville, N. J.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, ornamental trees and shrubbery. The Wm. H. Moon Co., Morrisville, Pa.

Evergreens. D. Hill Nursery Co., Box 404, Dundee, Ill.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandeross Lane, Relgate, England.

Orchids, Cattleya and Laëlia Aneaps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$1.50 per doz. Veitchii, 4-in., 50c each; \$5.50 per doz.; \$5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

KENTIA BELMOREANA, 2 1/2-in. pots, 10-15 inches tall, four or more characterized leaves, \$9 per 100 and worth the money. Jackson & Perkins Co., Newark, New York.

Palms, Phoenix Canariensis and Areca Sapida. For prices see advertisement elsewhere in this issue. The Kentia Nurseries, Santa Barbara, Calif.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Achmann, 1012 W. Ontario St., Philadelphia.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

SOMETHING NEW, something different from our gardens—the PANSY WONDERLAND. New color plate catalogue ready March 1st. Tells all about "MASTODONS," the premier mixed strain of pansies. Resat plants, 100, \$2.50; 1,000, \$22.50 prepaid; seed, 1-12 oz., \$1; oz., \$3. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gailardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, transp. seedlings, \$5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

PEONIES, 2 to 5-eye divisions, ready for immediate shipment, and cheap at \$5 per 100. Cash. Colors: Jusaler, yellow; Festiva alba, white; Duchess de Orleans, plnk. Thoma J. Oberlin, Sinking Spring, Pennsylvania.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. mixed and white, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Petunias, dbl. fringed, R. C. \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5 1/2 and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIMULAS.

Primroses, Chinese, 5 1/2-in., \$2.50 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia.

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 18 to 24 ins., 8 to 12 buds, 75c each; 24 to 30 ins., 12 to 18 buds, \$1 each; 30 to 36 ins., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 ins. named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

Rhododendrons, 75c, \$1 and \$1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROOTED CUTTINGS.

Rooted cuttings, verbenas, 60c per 100; \$5 per 1,000. Salvia, 80c per 100; \$7 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Giant dbl. Alyssum, 80c per 100. Ageratum, 60c per 100; \$5 per 1,000. Petunias, \$1.25 per 100; \$10 per 1,000. Pelargonium, \$2.50 per 100; \$22 per 1,000. Heliotrope, 80c per 100; \$7 per 1,000. Daisies, \$1 per 100; \$8 per 1,000. Feverfew, \$1 per 100; \$9 per 1,000. S. D. Brant, Clay Center, Kans.

ROSES.

ROSE MRS. TAFT (Antoine Revoire). We are headquarters for this grand rose. Large stock for immediate shipment. We quote own root, strong, 3-in. pots, \$10 per 100; \$85 per 1,000. Also offer MELODY, THE KILLARNEYS, RICHMOND, MY MARYLAND. Write for special prices. WEILAND & RISCH, 154 N. Wahash Ave., Chicago.

GRAFTED ROSE-PLANTS, Killarney, White Killarney and Richmond, choicest stock from flowering wood, grafted on selected Englabl Manetti. Order must come quick to insure delivery. Cash or reference. Elitch-Long Greenhouses, Denver, Colo.

Kniserin roses, 2-year-old, field-grown, in 4-in. pots, ready for bench, \$12.50 per 100. Cash. Mrs. Jos. Bock, Burlington, Iowa.

AMERICAN BEAUTY PLANTS.

40,000 Beauty plants, 2½-in. pots, \$6 per 100; \$50 per 1,000. American Beauty, bench plants, 1-yr.-old, \$6 per 100; \$50 per 1,000. Richmond bench plants, 1-yr.-old, \$5 per 100; \$40 per 1,000. Satisfaction guaranteed. Ready now.

GEORGE REINBERG,
162 N. Wabash Ave., Chicago.

ROSES.—Fine healthy stock. White and Pink Cochet, Souv. de P. Notting, Apricot, Clo. Souper, Grues an Tepitz, Sunrise, Frans Deagan, Wellesley, Mrs. B. R. Cant and Climbing Souper, 2-in., \$3 per 100. Wagner Park Conservatories, Sidney, O.

ROSES. Own-root. My Maryland, Pink Killarney, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2¼-in. pots, \$5 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthas, Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

ROSES. Send for New Trade List just out. THE CONARD & JONES CO., West Grove, Pa.

Roses. Eastern Nurseries, 1000 Centre St., Jamaica Plain, Mass.

SEEDS.

SOW NOW if you want them for early Spring sowing.

	6 tr.	Tr.
Begonia Bedding Queen, finest pink.	\$2.50	\$0.50
" Gracillis luminosa, finest red.	2.50	.50
" Triumph, finest white.	2.50	.50
O. V. Zangen,	Hoboken, N. J.	

ORIENTAL POPPY SEED. Five pounds or less. Write for our low price, stating quantity that you can use. Elitch-Long Greenhouses, Denver, Colo.

Seeds, sweet peas. Burnett Bros., 72 Cortland St., New York.

Choice, unsprouted onion sets, yellow, \$1.70; white, \$2 per 32 lbs. Bushel sacks included. Slusa Seed Store, 544 W. 63rd st., Chicago.

Seeds, specialties, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, N. J.

SMILAX.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlins, Olean, N. Y.

STRAWBERRY PLANTS,

Fall Bearing Strawberry Plants, best varieties. Catalogue free. Baill Perry, Cool Spring, Del.

VERBENAS.

Verbenas, 5 colors, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VINCAS.

Vincas, 2-in., \$2.50 per 100; 3-in., \$5; 4-in., \$2 per doz.; \$15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca variegata, 2¼-in. pot plants, \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vincas, rooted cuttings, very strong, \$1 per 100; \$8 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

Vinca, new golden (minor aurea), 3-in., \$2 per doz.; \$15 per 100. Wm. Tricker, Arlington, N. J.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galeburg, Ill.

INSECTICIDES.

Spray with K's "Fermentizo" best insecticide. Ask for K's Sprayer. J. Kopecky, South Bend, Ind.

MATS.

Machin-made STRAW MATS for hotbeds and cold frames are a success. A Long Island florist last year bought 125, this year 100. An Iowa grower last year bought 25, this year the same number. An Ohio cyclamen grower bought 25 last year, this year 50. A New York celery grower last year bought 75, this year 100. Six feet by six and one-half feet only, \$12 per dozen. Send for circular. We are making prompt shipments. WATTS BROS., Kerrmoor, Pa.

The cheapest and most practical Hotbed and Cold Frame Mat on the market. Send for circular and price list. Watta Bros., Kerrmoor, Pa.

MISCELLANEOUS.

CYACEINE. The Natural Flower Coloring, yellow, blue, orange, plnk, green or American Beauty, 20c per qt. Sent to you by mail. C. R. Cranston, 148 Orchard St., Auburn, R. I.

Ribbons and Chiffons. Wertheimer Broa., 565 Broadway, New York.

Hammond's Slug Shot. Hammond's Slug Shot Works, Fishkill-on-Hudson, N. Y.

Baskets, see advertisement elsewhere in this issue. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

WYANDOTTE WIRE WORKS is the largest in the west. Manufacturers of Wire Designs and Hanging Baskets, etc. for the florists. THE WYANDOTTE WIRE WORKS, 700-702 Ferry St., Kansas City, Kans.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, \$5; 500 for \$3; \$5.50 for 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Richardson Greenhouse Boilers. Richardson & Boynton Co., 31 W. 31st St., New York. 66 E. Lake St., Chicago. 51 Portland St., Boston. 1107 Arch St., Philadelphia.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilke's self-feeding hot water boilers. S. Wilke Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschell Broa. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Gblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearna Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop aiding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietrich Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, 1 to 2-ins. thick, random or specified widths, 10 to 16 feet. William-Kuny Mill and Lumber Co., Mound City, Ill.

Pecky cypress, cedar posts, drop aiding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Steel and iron work. Scully Steel and Iron Co., Chicago and New York.

Insecticides, Aphine, \$1 per quart; \$2.50 per gal. Fungine, 75c per quart; \$2 per gal. Aphine Mfg. Co., Madison, N. J.

GUTTERS.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, Sixth and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Dea Plaines, Ill.

Crestlawn ball-bearing mowers, 14-in., \$12; 16-in., \$13; 18-in., \$14; 20-in., \$15. The F. & N. Lawn Mower Co., Richmond, Ind.

Fruit baskets, pansy baskets, Veneer planting pots. Webster Basket Co., Webster, Monroe Co., N. Y.

Iron reservoir vases and lawn settees. McDonald Bros., Columbia, O.

Greenhouse glass. Baur Window Glass Co., Easton, Ind.

Florists' Supplies. Henry M. Robinson & Co., 40 W. 26th St., New York.

Gold leaf letters and initials. American Importing Co., 219 South Dearborn St., Chicago.

Iron Reservoir Vases. Washington Iron Works, Buffalo, N. Y.

GREENHOUSE CONSTRUCTION.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

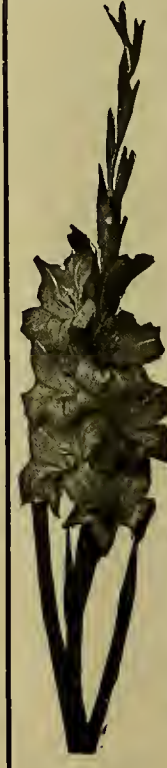
Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.



THE BOOK OF GLADIOLUS

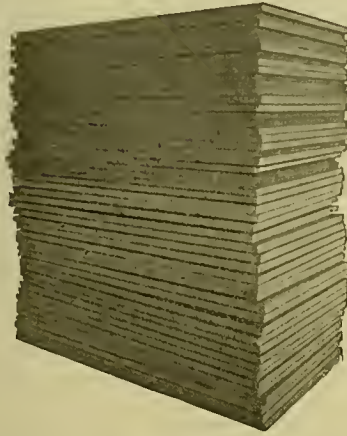
THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.



25 for \$1.05 each



50 for \$1.02½ each



100 for \$1.00 each

Which Pile of Sash Do You Want?

Here is a chance for you to get our "Sash That Last" at a special price. A price that will last for exactly 15 days and not a day longer. If your order comes a day late, you must expect to pay the regular price.

These special prices in lots of 25, 50 or 100 are for single light each unglazed and unpainted. For double light add 25 cents to each price.

Now a word about the sash themselves. Peter Henderson has some at his place in Jersey City that have been in use for, this is the twenty-second year. From the way they look, you would declare them good for another ten.

Up at Stamford, Conn., the other day we came across a lot that have been standing the racket for 35 years.

Of course, in both these cases, the

sash have been kept well painted, but you always keep yours painted, and you might just as well paint good sash while you are about it, and even if you didn't paint them, there isn't a sash made that will come anywhere near beating "Sash That Last" for endurance.

What's the use of buying rough, heavy sash with open mortise joints, when only for a few cents more you can get Lord & Burnham "Sash That Last" with their blind mortise weather-tight joints, steel dowel pins, steel cross brace and smooth workman-like finish?

And that isn't all—we guarantee them—a guarantee that means something—a guarantee that says: "If they are not the best sash you ever saw, and in every way exactly as we have told you—then notify us and we will send you shipping directions and pay the freight charges both ways ourselves." So far we have never had to pay any freight—a fact which tells its own conclusive story.

This offer is good for only 15 days—so you better order right now, before it slips your mind and you wake up to find it's too late get in on the special price.

Lord and Burnham Co.

SALES OFFICES:

NEW YORK
St. James Building.
PHILADELPHIA
Franklin Bank Building.

BOSTON
Tremont Building.
CHICAGO
Rookery Building.

FACTORIES:

IRVINGTON, N. Y.
DES PLAINES, ILL.



My Grandfather used Mr. Hammond's Slug Shot for Potato Bugs. So does my father use it. My Mother puts Slug Shot on roses.



"HAMMOND'S SLUG SHOT" USED FROM OCEAN TO OCEAN

A light, composite, fine powder, easily distributed either by duster, bellows, or in water by spraying. Thoroughly reliable in killing Currant Worms, Potato Bugs, Cabbage Worms, Lice, Slugs, Sow Bugs, etc., and it is also strongly impregnated with fungicides. Put up in Popular Packages at Popular Prices. Sold by Seed Dealers and Merchants.

HAMMOND'S SLUG SHOT WORKS, FISHKILL-ON-HUDSON, N. Y.

Dreer's Peerless Glazing Points
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c, postpaid. Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL SIZE
No. 2

Mention the American Florist when writing

SIEBERT'S ZINC
Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, 5/8 and 7/8, 40c per lb., by mail 10c extra; 7 lbs, for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Mention the American Florist when writing

at the sign of good heating
INTERNATIONAL
STEAM AND
WATER BOILERS

For large work use the International
Empress Boiler. For small houses
use the International Prince Boiler.
Why wait? Write us today.
INTERNATIONAL HEATER CO. UTICA, N. Y.

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Make Your Want Known

If you want to get rid of it.
A want advertisement in the

AMERICAN FLORIST

will do what you want. Try it now. Back of every ad is a real want, so it pays to answer them. : : : : :

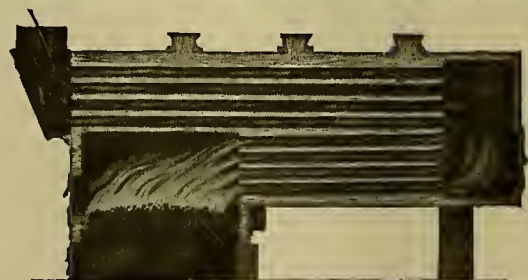
SCULLY SERVICE

If you are going to erect a building and want to avoid vexatious and expensive delays see Scully about your steel. He will furnish it in advance of your need. If you need structural material, steel plate, steel bars, twisted bars, sheet steel or bolts, rivets, nuts, etc., write, telegraph or telephone Scully.

SCULLY STEEL & IRON COMPANY
CHICAGO AND NEW YORK

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating



SEND FOR CATALOGUE

Superior Machine & Boiler Works
846-848 W. Superior St., CHICAGO, ILL.

Budding Knife Free—See Page 580.



ANNOUNCEMENT OF THE "BIG ADVANCE" Ventilating Machine

This machine is an enlarged duplicate of our well known "ADVANCE" machine and uses 1 1/4 inch pipe for shafting, which pipe is 40% to 45% stronger in twist relation than 1 inch Double Strength pipe. This was proved by a thorough test.

The service and satisfaction that our Advance machine has given in the past is sufficient proof that this new machine is built mechanically correct. We still continue to use our Advance machine on houses 100 ft. long or under.

To date over 300 of these "BIG ADVANCE" machines have been sold and they have only been on the market 2 months and unadvertised. A recent installation showed that this machine would easily take care of a 300 foot house and leave no sag in the end sash. This is quite an item and it would pay you to investigate before purchasing your ventilating apparatus. The prices on the advance machine and parts are maintained on this new machine by economical methods of manufacturing and the shafting pipe for the new machine will cost you less than 1 inch pipe.

Write us today asking for further information regarding our BIG ADVANCE ventilating machine.

ADVANCE CO. = RICHMOND, IND.

The Mastin Automatic White-wash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.

3124 West Lake St. CHICAGO, ILL.

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THE STANDARD

VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is using a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

Mention the American Florist when writing



Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.,

Mention the American Florist when writing

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED IRON GUTTER.

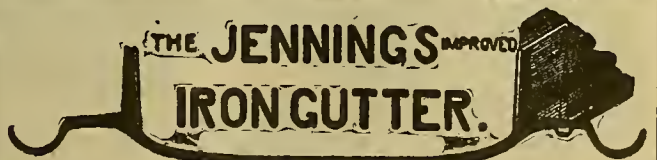
IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING
APPARATUS

Mention the American Florist when writing



Announcement of Eight Terse Talks.

I ASKED the Trouble Man to talk again. He said it was too early, but when the good old summer time came he would. The way the weather has been lately—summer seems a long way off. So I have made up my mind to do a little talking on my own hook.

They are going to be short and pointed—Terse Talks, in every sense of the word. Eight of them.

The first one entitled, "Don't Be a Barnacle" was published last week. Seven more to come.

Here are the subjects:

No. 2. Don't Be a Mummy.

There are more mummies now than in the time of ancient Egypt. Perhaps you are one. This talk tells you how to find out.

No. 3. Don't be a Kicker.

It tells what surely happens to all kickers and gives a prescription for their immediate help.

No. 4. Don't be Spider Trapped

Perhaps you are. If you don't read any of the other talks.—be sure not to miss this one. It's very personal.

No. 5. Not So Much Engineering, But More Common Sense.

This talk tells how to make a spring medicine that is a sure cure for fat repair bills and that will put flesh on lean bank accounts.

No. 6. The Deacon and the "Hoss."

True story with a moral. Mostly "horse sense."

No. 7. What's Back of the Dollar.

It tells about a certain canny Scotchman (you know him) that gets \$5000 a week. And why. It's the why that will interest you.

No. 8. Some Men Would Rather Crawl Through the Fence Than Walk in by the Gate.

This is a good one on you, because it talks mostly about the other fellow. The point is—who is the other fellow?

THESE talks will appear every week for seven weeks in the Florists' Exchange and American Florist.

Signed

*The Sales Manager
Hitchings & Co.
Elizabeth, N.J.*

ORDER NOW **TELEGRAPH AT OUR EXPENSE**

KROESCHELL HOT WATER BOILERS

NOT CAST IRON



**NO SECTIONS
EASY TO SET UP
Made of Boiler Plate
Absolutely Safe
CANNOT CRACK**

**Has Thin Water Ways
Vertical Circulation
The Longest Fire Travel
Heats Quick, Easy to Clean
More Direct Surface than
any Other Boiler**

Test at 8 Degrees Below Zero—No. 8 Kroeschell Boiler Carries 20,500 Square Feet Glass.

Our heating system works to perfection. To our surprise the new No. 8 Kroeschell Boiler mastered the whole Plant, consisting of five houses, 20x150. We only deemed it necessary to start our second boiler when the temperature went down to 8 degrees below zero.

We had expected to use both boilers in cold weather, but the one boiler did such excellent work that we did not run the two boilers until the very cold weather set in. It was a very easy matter to keep the temperature up in the very coldest weather and stormiest nights. The five houses have 20,500 square feet of glass; No. 8 Boiler is rated at 16,500 square feet.

MUELLER & SCHROEDER CO., Milwaukee, Wis.

KROESCHELL BROS. CO. 452 West Erie Street, Chicago.

Mention the American Florist when writing

The Travis Greenhouse Rocker Grates

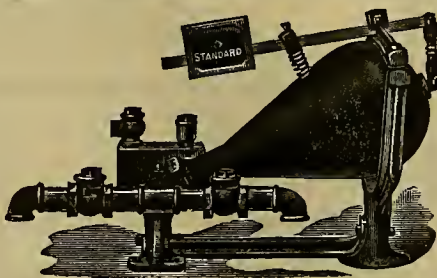


Shown Partly Open.

Are hungry for cinders. Cinders one foot deep can be ground through and the fire which is on top, will go through last. Will regulate the draft to your satisfaction. Mash finger design. All locomotive grates today are of this same construction, $\frac{3}{4}$ or $\frac{1}{2}$ inch opening. They are the most useful when cinders are most plentiful. Guaranteed to handle your fire in a first class manner. The only grate that will properly combat cinders, and give thorough regulation of draft.

G. E. TRAVIS CO., Henry, Ill. U. S. A.

Standard Steam Traps



The simplest, most durable and up-to-date steam trap on the market.

Ask the man who owns one

Catalogue sent on request.

E. HIPPARD CO., Youngstown, Ohio

Let us quote you on new and second-hand
**BOILERS, PIPE, FITTINGS, GLASS,
Greenhouse Lumber, Tools, Sash, Etc.**
METROPOLITAN MATERIAL CO.,
1394-1412 Metropolitan Ave., Brooklyn, N. Y.
Please mention the American Florist when writing.

BUCHBINDER BROS.,
518-20 Milwaukee Ave., CHICAGO.
Florists' Ice Boxes
Manufacturers and Dealers of
Store and Office Fixtures.
Mention the American Florist when writing

Richardson Greenhouse Boilers

HOT WATER AND STEAM

Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities



Guaranteed Ratings
Economy
Ease of Management

Send for
Catalogue
and Prices



Established 1837.

Richardson & Boynton Co.

MANUFACTURERS,

31 West 31st St.,

NEW YORK

66 East Lake St.,
CHICAGO.

51 Portland St.,
BOSTON.

1107 Arch St., PHILADELPHIA.

The Best Color Chart

For Florists, Seedsmen
and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST Co.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schnyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY,
Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

“Horticultural Advertiser”

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address Editors of “H. A.”
Chilwell Nurseries, LOWDHAM, Notts, England.

To Tell All the Good Points of Our Construction

in this advertisement
are planning any
tions, it will pay

is impossible. If you
rebuilding or addi-
you to write us.

TRUSSED
SASH BAR,
AND
IRON FRAME
HOUSES



CONCRETE
BENCH MOULDS
AND
GREENHOUSE
APPLIANCES

GEO. M. GARLAND CO.

Lock Box S, Des Plaines, Ill.

MANUFACTURERS OF
The Gutter with a Reputation

CUT FLOWER AND DESIGN BOXES

All Sizes LOWEST PRICES

Send for Catalogue
C. C. POLLWORTH CO.
MILWAUKEE, WIS.

50% SAVED
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and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

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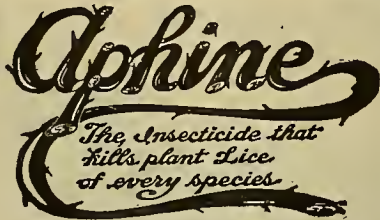
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Gentlemen: In reply to your letter of January 27th, will say that we have been using FUNGINE on lettuce for dry wilt, on roses for mildew, also on growing tomato plants. We are very much pleased with the success that we have had with it.

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Yours very truly,
GRAND RAPIDS GREENHOUSE CO.

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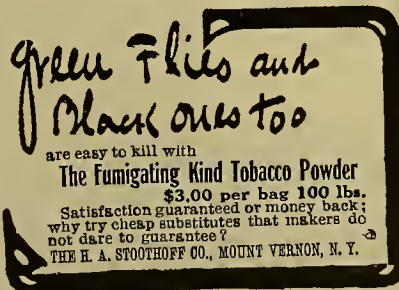
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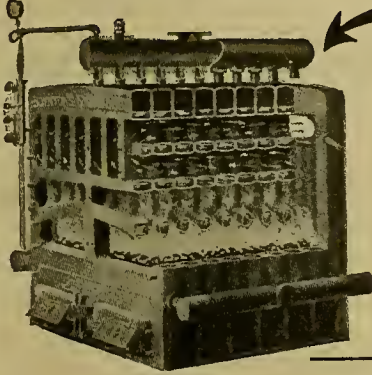
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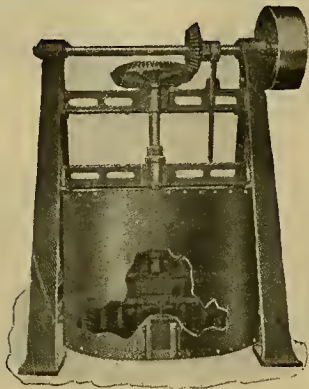
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FROM
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We here show the first of several clay working machines used in our factory, which are indispensable to the manufacture of all high grade pottery; others will appear later.

The one shown here is known as a Blunger Mill, into which the raw clay is received at the open top. It there meets the revolving knives and by the addition of a stream of water, is reduced to a consistency that allows it to flow freely from a valve at the bottom into the next machine, a Revolving Sifter, which will be described here later.

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The Best Thread on The Market for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

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THE AMERICAN FLORIST



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Vol. XXXVIII.

CHICAGO AND NEW YORK, APRIL 6, 1912.

No. 1244

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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BUDDING KNIFE FREE.

See Page 662.

SUGGESTIONS FOR PLANT GROWERS.

Hardy Roses.

The rose bed should be pruned and then spaded as early as possible after the ground has opened and if the canes have been buried the covering removed and the canes cut back. To properly prune a bed of hybrid perpetual roses is a careful, painstaking piece of work. This work is too often done in a careless, haphazard manner, and by many every variety is cut back alike. To get the best results a study of the varieties is necessary, for instance, strong growing varieties like General Jacqueminot and Magna Charta can be cut back and the small wood cut out much more severely than Prince Camille de Rohan or Mme. Gabriel Luizet. When pruning it is first necessary to determine whether quantity or quality is the most to be desired. If quantity is wanted more wood can be left and six to eight eyes left on the canes. If quality is the main object this must be obtained at the expense of quantity, and the strong canes only retained and these cut to two or three eyes according as to how the eyes are located. The top eye that is left should be pointed out from main stem so that when the growths start they will not crowd toward the center. This will allow of plenty of room for development and a good circulation of air through the plant. After bushes are pruned the soil should be spaded good and deep and leveled off.

Bedding Stock.

The general florist will now have his hands full with bedding stock, and as soon as the Easter plants are out of the way these can be spread out and given the necessary room. The geraniums should be spaced and if any have grown too tall to make shapely plants the tops should be cut back, but at the present day the trade wants a geranium in bloom at bedding time and very little pinching should be done after the first of April, for it will take from then until the first of June to produce a new branch with a flower. Ageratums, alternantheras, alyssums, heliotropes and like blooming plants should be kept on the move and be given good light positions. Salvia

should be kept pinched back until the latter part of the month which should produce fine shapely plants. The coleus should be rooted and the top rubbed out as soon as established in the pots. Seedlings should be potted or flatted, the former preferred if a price can be obtained commensurate for the extra labor, but if flatted give them room enough to properly develop. Cannas will now require a warm, light location and with plenty of root room. The one great factor in growing good bedding stock is, at this season, to keep the plants moving and never allow them to get a check, for if once severely checked a good plant is an impossibility.

Potting Young Stock.

At this season of the year the plant grower will have thousands of young seedlings to pot or place in flats and as many more to shift from a small pot to a larger size, and it does not seem that any instruction in potting should be necessary, but we chanced not long ago to see a boy potting and wondered if the plants would live and we then saw in the houses many of the plants which had been potted struggling for existence. It seems to be the general idea with the young gardener that the one that can pot the most plants in a given time is the smartest, regardless how well it is done and how the plants afterward grow. The young man whom we saw would fill the pot full and then make a hole in the soil with his finger, place the seedling in the hole and then press the top soil around the stem. The chances were that the roots of many of those plants were still hanging in an enclosed hole in the center of the pot, for the soil should have been firmed around the roots. That he could handle a large number of plants in a given time was no question, but a much better plant can be grown if the soil is made firm around the roots first and then the top firmed down. The same thing happens in transplanting where the loose soil is thrown around between the plant and the pot and the top then firmed down. A little soil should be first thrown in the bottom of the pot and the plant placed in this,

then a little soil around the plant which should be firmed down, then a little more soil which can be pressed down from the top. This will take longer, but the plant will live and grow enough better to pay for the extra pains.

Peonies.

As soon as the frost is out of the ground the peony beds should be forked over and the manure mulch that was placed on them last fall should be forked or spaded in, but let this be done by a careful man, or at least not by help that knows nothing about this work. The young growths start very early and are very tender so it is best not to fork too close to the crowns, but loosen up all the soil around the plants. It is also well to leave the stems covered as deep as they have been all winter, for a sharp frost may injure a stem that has been protected through the severe winter and then subjected to sharp cold. But the loosening of the soil to good depth will conserve the moisture and allow the air to get into the soil. If the plants were not mulched with manure in the fall it is well to spread some old manure, not fresh, on the beds before spading and fork it in.

Although the fall is the best time to transplant peonies, yet if not done and it is desired or necessary to move them, they can be transplanted early in the spring, but this must be done before the growths are above the surface of the ground and as much soil left about the roots as possible. These plants make their young roots in the fall and if any attempt is made to shake the soil off the roots will be broken doing this. Divisions must therefore be carefully made, so as not to disturb the roots more than possible. The dry roots that are purchased at this time are much better planted in pots or boxes until the roots are formed in the soil and later transplanted to the ground. It cannot be expected that plants of this kind will produce any flowers this year, for it will only be possible to get them established in their new location the first season.

The Gogo Vine.

Visitors to almost any tropical seacoast are likely to find cast up with the shells and other flotsam and jetsam certain large flattened chestnut colored beans two inches or more in diameter. These are sometimes known as sea beans because ocean currents frequently bear them long distances and cast them upon shores foreign to the plants that bear them. The beans are seeds of an immense tropical climber and are borne in huge pods that are often four feet long. The plant, which is known to science as *Entada scandens*, and in common parlance as gogo vine, contains saponin or vegetable soap and the bark and seeds are said to be much used by tropical people as a hair wash. The bark is thoroughly beaten and imparts a reddish tinge to the water. Taken internally the juice of the bark is reported to be of value in asthma. The hard polished seed-coat also has its uses and in other days was often made into snuff-boxes.—The American Botanist.

LYNN, MASS.—L. A. Wentworth will give a series of free lectures on "Gardening Simplified" under the auspices of the Houghton Horticultural Society during April.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Most Important Item of a Package.

Two florists were recently discussing the value of an attractive put-up, and one remarked: "With me the most important point about my put-up is the tag, and, strangely enough, it is the tag which is often neglected by others. I believe that it has just as much direct advertising value as the box. An impressive tag is the cheapest advertisement a florist can make. When I see fine flowers in a costly box with a cheap tag, I always think of the so-called 'town sport' who wears a celluloid collar with his frock coat on Sunday. In both instances mistaken economy destroys the entire effect."

The Easter Church Wedding.

Starting with the center aisle of the church arrange made-up plants of Easter lilies in this manner: plant into a green Dresden basket a stump of a tree with bare branches, of moderate size, and cover this completely with white satin ribbon. Wire to the branches long sprays of Easter lilies tied with white satin ribbon; they must not be allowed to spread much but arranged with a view to height. If sufficient foliage of the lilies is not available use asparagus to wind down in between the branches where the lilies have been attached. The flowers should be arranged so that they are above the average person's height when standing. The lower stump can be wound with asparagus allowing a

arches in all. Cover this stout wire with a satin ribbon (white) and arrange on it in graceful manner white lilac with its foilage, making a large and artistic bunch to be suspended from the center of the arch to which a tiny cluster of electric lights can be attached covered with white catgut. In between each tree down the aisle at a height just above a tall person's head stretch wide satin sash ribbon around which asparagus vine has been run at intervals; from the center of each such strand a bunch of lilac can be arranged effectively.

In the chancel, where the bride is to stand, a huge butterfly made of white lilac, with electric lights, can be suspended from which are extended long strands of Easter lilies with the other ends attached where most convenient, at windows at the back if possible. Around the circle of windows at the back arrange wide white satin ribbon on which has been knotted single Easter lilies to make it look like a fringe along the windows. This can also be used in the side aisles along the wall. Use Easter lilies in groups combined with white tulips, and ferns where necessary. The usual palms should be used as backgrounds to lend to the effectiveness.

In case the ball room is to be decorated in the same manner, the trees should be arranged along the walls. Curtains can be made of flowers and suspended over any windows there may be, using white satin ribbon in which small clusters of lilies have been knotted, interspersed with strands of asparagus. Garlands of this same



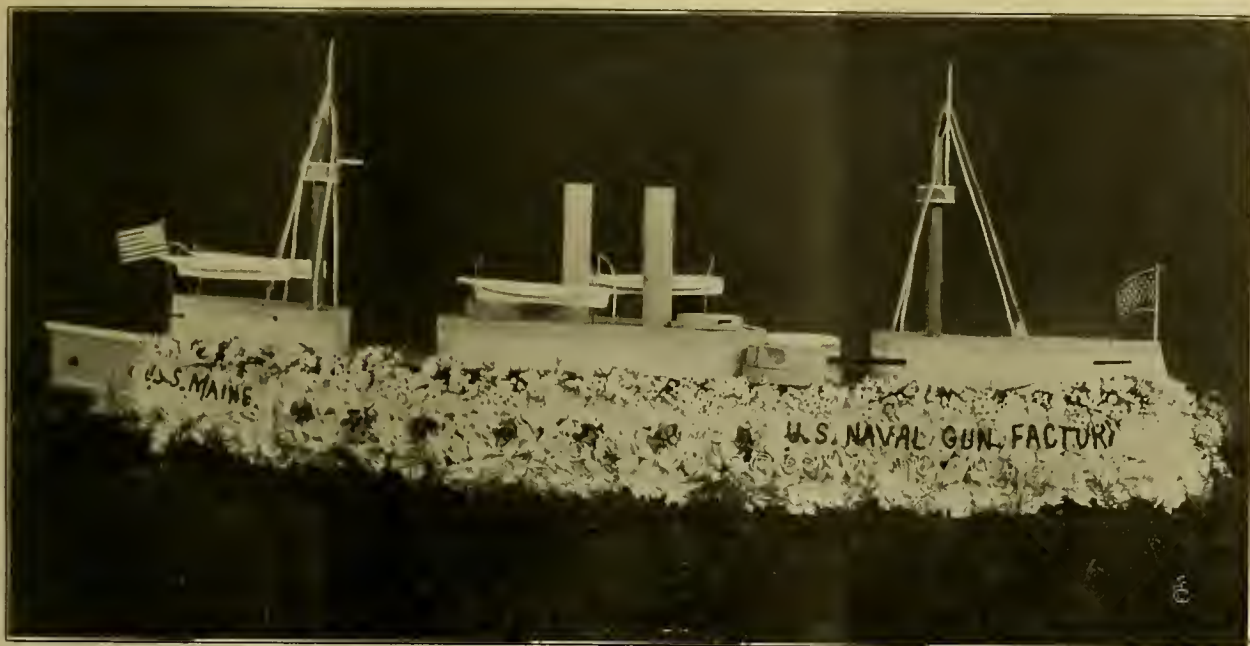
A WELL FLOWERED CYCLAMEN

Grown by G. Robert Miller, Manager C. H. Kunzman Estate, Louisville, Ky.

good deal of the white satin to show. Tie around the green pot or basket an artistic bow knot of ribbon. Twelve of these on each side of the aisles should be sufficient and to the center stump of each attach at the top a stout wire to be used as an arch to extend to the opposite tree, making 12

order can be arranged where most effective. Sweet peas and pink roses are also effective in this arrangement.

For the wedding table a good arrangement is a large silver basket of white lilac arranged loosely. A pink sash ribbon of a delicate hue should be tied around the basket, allowing



THE BATTLESHIP MAINE IN FLOWERS.

Arranged by Geo. C. Shaffer, Washington, D. C., for the Burial of the Sailors of the Battleship Maine, March 23.

one width to extend on and over table the longest way. On this ribbon can be marked in silver the date and the monograms of the contracting parties, silver candelabra with pale pink shades are effective in this arrangement.

The bridal bouquet as a contrast should be of white roses and lily of the valley in loose arrangement. For the bridesmaids sweet peas in pink and white.

A. E. KLUNDER.

Easter in the Chicago Stores.

With the wealth of material which the large retail stores have at this Easter they all present a most beautiful sight for they are filled to overflowing with elegant specimen plants of the different kinds in flower at this season, bearing flowers of all the different colors that are found in the floral world, and a splendid assortment of all the spring flowers of unexcelled quality. The plants are the first to attract the attention of the patrons, and they include rambler roses of white, red and several shades of pink, grown in bush and fantastic forms, hydrangeas, azaleas, splendid plants in white, pink and red, genistas, spiræas, large and small sizes; cyclamen full of flowers, nicely grown *Primula obconica*, flowering almonds and other shrubs, and thousands of lilies, beside the beautiful plant combinations in all shapes of baskets and decorated boxes. Added to this are a large variety of bulbous plants, lily of the valley, tulips, hyacinths and narcissi in pans and boxes, which make the stores a riot of high colors.

The cut flowers embrace the beautiful vases of roses and the quality of all is superb, carnations of all colors, lilies and callas, sweet peas of unsurpassed quality in the several colors, snapdragons on stems three feet long, mammoth mignonette, stocks, beautiful orchids, violets in quantity and quantities of tulips, narcissi and hyacinths, as well as pansies and other spring flowers. With all this from which to select the stock one can easily comprehend what a gorgeous col-

lection was to be found in the beautiful stores.

John Mangel is in his beautiful new store on Monroe street as well as in the old store which he still occupies on Wabash avenue, was well supplied with the best the market afforded. Nicely grown hydrangeas, low and well flowered, were a feature, as well as splendid lilies, azaleas, rhododendrons, a large line of the several rambler roses and quantities of bulbous plants. Baskets of plants were prominent and a full assortment of cut flowers.

A. Lange had an immense stock of both plants and cut flowers that embraced everything that the market afforded. Roses, lilies and bulbous plants were seen in profusion and nicely grown azaleas, hydrangeas, spiræas, genistas and plant baskets. The cut flowers were in great profusion, the ice chest full of elegant roses and the tables and shelves overloaded with excellent stock.

The Bohannon Floral Co. was well supplied with a beautiful line of specimen plants as well as the cream of the cut flowers. Rambler roses in all forms and of all colors were a great feature, fine shaped azaleas were admirably shown, and a splendid lot of well grown lilies. The stock was so large that an additional store had to be procured in order to display the elegant stock.

The Fleischman Floral Co. had their beautiful store full of the finest of stock. Splendid plants of azaleas, hydrangeas, rhododendrons, lilies, beautiful pans of lily of the valley, and well grown tulips and narcissus. The cut flower display was of the choicest, and orchids, lily of the valley, sweet peas and the extra grades of roses adorned the store.

H. C. Rowe's new store was filled with a beautiful assortment of the best in the market and another store was procured to display the splendid assortment of well grown plants, noticeable among these being extra fine specimens of lilies, rambler roses, hydrangeas and azaleas, as well as well arranged plant combinations in baskets and boxes.

John T. Muir's two stores had a splendid line of plants, a nice lot of lilies and a great assortment of bulbous flowers were well displayed in the large windows and in the stores. A fine lot of hydrangeas were a grand feature and splendid baskets of plants were nicely arranged and beautifully ornamented.

W. J. Smyth had one of the choicest collections and the beautiful store was filled with fine specimen rambler roses, hydrangeas, azaleas, and pans of tulips, hyacinths and narcissus. Plant baskets are always a feature at this store and they are well assembled with the best of taste and some beautiful combinations were displayed.

C. A. Samuelson had a choice collection of both plants and flowers which included all of the best specimen plants to be procured. Splendid azaleas in the different colors and nicely grown rambler roses of the several shades and in different forms were nicely decorated. Plant combinations in baskets and boxes were a splendid feature and well arranged, and a full line of the best of cut flowers was offered to the patrons of this store.

Canger & Gormley and the Alpha Floral Co. both have a full line of the best of cut flowers and a fine assortment of pot plants. The windows of both stores are beautifully arranged and attract the attention of the passerby on the crowded thoroughfare on which the stores are located.

All are looking forward to a strenuous week and a prosperous season. With the large amount of stock on hand a vast amount of work is before all the stores, and it will be not only all day but all night and way into Sunday before the last of the plants and flowers are delivered and the store can be closed to end the Easter trade for 1912. The only wish during the middle of the week was for pleasant warm weather for Saturday and Sunday and a successful season was assured.

NIAGARA FALLS, N. Y.—H. C. White has opened a new flower store at 345 Third street.

Nemesia Strumosa.

A half-hardy plant that is one of the most beautiful annuals when it is well grown, is *Nemesia strumosa*, but this latter condition is not always easy to obtain, which is doubtless responsible for the comparative infrequency of its growth. It is a native of South Africa, and plants from that part of the world are generally regarded as not only sun-loving, but accustomed to dryness. That might be regarded as the reason why this annual is so seldom a success in damp gardens, if it were not for the fact that it is often grown very successfully in the North of England. The finest heads of blossom I ever saw came from a North Yorkshire garden.

There is one very fine strain known as Suttoni, in many beautiful colors, the shades of orange and apricot being the most characteristic colors of the flower. A blue form has recently been raised known as Blue Gem, but for a bed there is little doubt that the various shades of scarlet, pink, yellow and orange are best, without the admixture of blue or purple, says a writer in the *Gardeners' Magazine*. The forget-me-not blue variety is a doubtful acquisition if it is going to be introduced into all mixtures of seed, as purples are in the case of verbenas and pentstemons.

Seedlings may be raised in any frost-proof structure, but if raised in a warm house they should be given very little heat, and water should be used very sparingly; while, as soon as the seedlings appear, they should be kept in a cool place, with plenty of ventilation, as they are as prone to damp off as stocks. A rich sandy soil should be used, and as soon as the plants are large enough to handle they should be pricked out into boxes; and they are even worth potting up for the sake of obtaining the best results. They should be bedded out about six inches apart each way in well-prepared soil in a sunny position; and if the soil has been deeply worked, so that the plants have an extensive root run, they will not need much water in an ordinary summer. At this distance apart they will grow together; and, as each plant sends up five or six stems of more or less equal strength, each crowned with a head of flowers, the whole bed will be a glowing mass of color.

Seeds may be sown in the open ground after the first week in May, but it needs a favorable season and conditions for good results. They last in flower a fairly long time as annuals go, but, if the plants are raised early, so as to get them strong before the forcing weather of June, they must not be expected to make much show after the beginning of August—at least, in the south—and some reserve material should be in readiness to replant the bed for an autumn display.

These nemesias grow less than 1½ feet in height, even at their best, and they make excellent pot plants. They may be had in flower from May to September, according to the time of sowing. Though the Suttoni strain is the best known, having been longest in the field, other nurserymen are now raising their own strains, some growing less than one foot in height.

THE GLADIOLUS.

American Gladiolus Society Medal.

The American Gladiolus Society has had manufactured a new medal, which we illustrate, of unique and original design, the illustration showing the face side; the reverse is a simple wreath of gladiolus flowers, with space in the center for the necessary engraving. One is made in sterling silver, colored silver gray, and the other is finished bronze. Both are sand blast finish, and are made and designed by the Boston Badge Co., Boston, Mass. These medals will be given to representative horticultural societies,



American Gladiolus Society Medal.

who will offer them in their schedules to be competed for by amateur exhibitors of gladiolus blooms at their summer shows, the silver medal as first prize, and the bronze medal as second prize. The following societies have been given a set of these medals for their coming summer exhibitions: Massachusetts Horticultural Society; Newport Horticultural Society; Southampton (L. I.) Horticultural Society; St. Catharines (Ont.) Horticultural Society; Pasadena Horticultural Society; Melrose Horticultural and Improvement Society.

L. MERTON GAGE, Secy.

The Gladiolus as a Florists' Flower.

Few flowers are more valuable to florists than the gladiolus. When it is remembered that the forced blooms can be had from the middle of April, and that the flowering season lasts till the end of September, it will be recognized that few flowers have so long a season.

The earlier flowering varieties are the more easily handled for florists' work, on account of their lightness and delicacy, but the stately spikes of the *Gandavensis* and *Childsii* have their place too, and for church decoration they are unsurpassed. In ball-rooms, or for big receptions, their grand coloring and stiff habit of growth make them the flower par excellence for decorative work, and above all, they hold the palm for their wonderful lasting qualities. I have had spikes of gladioli sent me from abroad that have been three days on the journey, says a writer in the *Handbook of the National Gladiolus Society of England*, and when placed in water they continued to bloom and expand their flowers for ten days after arrival. At the present time florists do not sufficiently recognize the value of gladiolus in decoration, but the time is slowly but

surely coming when they will realize its merits; already a change is making itself felt. As a grower in a small way, I had a nice lot of *Gandavensis*, *Brenchleyensis* and *Childsii* in bloom last autumn, and endeavored to dispose of the cut flowers to the neighboring florists, but without success, not a single spike could I sell. This year sees a great change, for the past month orders from five different florists have reached me daily, and I have sold nearly every spike. Another grower assures me that he has never sold gladioli so freely, and at such good prices, as during this season, which points to the fact that the gladiolus is taking its place at last as a florists' flower, and perhaps the new society may, in a small way, have helped to bring this about.

Having had experience, both as a grower and as a retailer in a West End London shop, perhaps a few notes on the best selling varieties would be of use to those who are raising for market. In the early flowering section, *Colvillei Alba*, *The Bride* and *Nanus Peach Blossom* are the two favorites, and every grower who is planting for cut work should not fail to put in large beds of both these. My own experience this year was that *Bride* and *Peach Blossom* kept top prices right through, and next to them came *Blushing Bride*, for which there was great demand. *Pascal* sold very well, but I could do nothing with *Sappho*, it is a bad flower to travel, and does not last long. Many of the newer varieties of *nanus* sell well, but the old ones I have just mentioned will be difficult to beat, from the florists' point of view. There is room for a really good crimson, and I have been privileged to see a magnificent new variety of this color raised by a friend, but the stock is yet too limited for it to be put on the market, but in a year or so it will be creating a sensation. Now, turning to other sorts for cut work, the old *Brenchlyensis* sells very well, and the newer *Brenchlyensis Hollandia* is an excellent one to grow; one florist I know sells more of this variety than any other. *America*, *Attraction*, *Brilliant*, have all sold very well, and my experience has taught me that it is useless to grow mixed varieties for floral work, as florists like good named sorts, and will send for them again and again, where they will not have a mixture of colors. One of the reasons, no doubt, is that a large jar or bowl in a shop window of one striking color will attract the attention of the passerby, where a mass of mixed colors does not catch the eye. A fine effect was struck in a West End florist's shop last week by a background of ferns, against which stood a large jar of *Brenchlyensis*, and at the foot of the jar was a bowl of the pale salmon *Hollandia*.

At this season of the year when London is empty and the florists' trade at its lowest ebb, the gladiolus comes to them as a boon and blessing. A moderate outlay on the market will buy a mass of magnificent blooms which will make their window a delight for three or four days. The florist knows the value of a bloom that will last in his slack season; he does not desire to buy daily large supplies of roses and lilies which last but one day only; and where can he find an-



ITALIAN GARDEN ARRANGED BY R. & J. FARQUHAR & CO., HORTICULTURAL HALL, BOSTON, MASS., MARCH 12-31, 1912.

See Issue of March 30, Page 576.

other flower that will stand him in such good stead as the gladiolus?

I look forward to a time when the gladiolus shall take its place as one of the most important flowers in the florists' trade, but this time will not come till growers realize the importance of growing good named sorts only, and those most suitable for cut work, while raisers of new varieties must realize that good flowers with strong constitutions and erect habit are needed, and that it is not to their advantage to flood the market with weak stock of indeterminate colors and markings.

It must be patent to all raisers and growers that if there is to be a great future for gladioli, it will be the market for cut blooms that will make the future. The few private gardens that have a named collection of choice kinds will never put much money into the pockets of the growers, though they may pay a few guineas for a bulb or two, but when the gladiolus is recognized generally as one of the leading florists' flowers and every shop has great jars and bowls full of their grand spikes, then we poor growers may find our returns for gladioli mounting up and up, and bulbs may be sold yearly by tens of thousands to those who grow cut blooms for market. May this come soon. But again, in conclusion, let me emphasize that it lies chiefly in the grower's hands to

make the flower popular, and where he has a weak or insignificant variety, let him root it out and put it on his bonfire, no matter what it cost him to buy or produce.

THE CARNATION.

Spring Culture.

The bright spring days use up the moisture very rapidly in the carnation houses, and the benches are found to dry out frequently, for it must not be forgotten that the plants have occupied said benches for about eight months now, with the natural result that the soil is, or should be, quite well filled with roots. The texture and composition of the soil has much to do with the quantity of water that may be given, so that no positive rule can be laid down for this operation, a light sandy soil permitting a good watering every second day in bright weather, while a heavy and compact soil may not require more than two waterings in a week, and yet either soil may grow good carnations, providing that proper care be given in culture.

MULCHING.

A good mulching of manure is a great help to the blooming stock at this season, not only from the amount of plant food that is contained therein,

and which is gradually carried down to the roots by successive waterings, but also from the fact that the mulch protects the surface roots from the sun and prevents the soil moisture from evaporating quite so rapidly.

SHADING.

A light shading helps much in the color of the flowers from this time forward, the light pinks especially suffering from too much sunshine, but care needs to be taken in the shading operation, else too dense a shade may result, the happy medium being found in a sprinkle of shading that just breaks the full force of the sun's rays without causing the growth of the plants to become weak.

Up to the last week of March there has rarely been a night without frost, consequently more or less artificial heat has been in demand, but with the longer days it becomes necessary to check the fires early in the morning in order that the piping may cool off before the sun gets too high. This of course referring to those many establishments in which hot water heating prevails. Ventilation also demands early attention, the temperature rising so rapidly on bright mornings, especially where the houses are without shade.

Among the varieties that show the effect of the sun quite early in the season are Enchantress, Rose Pink Enchantress, Mrs. C. W. Ward, Windsor and Gloriosa, all of these being

subject to bleaching to a greater or less extent, and are therefore improved by being shaded. Some of these flowers improve in color by being kept in water for 24 hours, but those that are very badly bleached are best kept by themselves, for two or three poorly colored flowers in a bunch will spoil the effect of the rest, and thus depreciate the whole bunch.

THE NOVELTIES.

Of the novelties of the past season, White Wonder seems to have attracted quite a good deal of attention, this variety being a healthy grower and a good producer, the flowers large and pure in color when fully open. The flower of White Wonder is not quite so fine in form as a good White Perfection, but is larger, and both these fine whites are rather given to splitting in some localities, apparently giving the best results when grown in a rather light soil. But in any locality in which White Perfection behaves well, it would seem that White Wonder would be well worth a trial, for it is a better grower than its parent, beside having the advantage in size.

Gloriosa is a large flowered variety of most pleasing color, makes a splendid stem, and does not seem much inclined to split, but the plants do not make many breaks, and consequently one could not count on getting as many flowers from this variety as from one of the Enchantress type, but a nice bunch of Gloriosa is liable to make the buyers sit up and take notice, and ought at all times to command a fair price.

Of Bright Spot it may be said that it might be a lot brighter without setting the world on fire, but it is a free grower and produces a fair number of flowers, and those who grow Mrs. C. W. Ward do not need Bright Spot for color.

Bonfire is a pleasing color, and a fair grower, but does not measure up to the ideal scarlet in either size or fullness.

And thus it goes from season to season; we see, we buy, we are conquered, for sometimes we get a good one, but more often we find what is known on the street as a "lemon," but novelties are the spice of life in carnation growing, and without a little spice what is the use of living?

W. H. TAPLIN.

Carnation Blooms Small.

ED. AMERICAN FLORIST:—

Our carnation plants look vigorous and healthy, bearing from 12 to 20 flowers and buds, but the flowers are thin and small and the stems are weak. We keep the temperature at 48° to 52° at night and as cool as possible during the day with plenty of ventilation. Can you tell us any reason for this? H. B.

I do not understand the reason for this unless it is that your soil is lacking in nourishment. I have had a little experience in your section of the country and remember the peculiar condition there existing as regards soil and the difficulty that it is to be able to obtain a good live manure of a lasting nature. I would advise that you apply a dressing of pulverized sheep or cattle manure to the beds and note its action, which should be easily seen in a short time, then following it up with another dressing in about three to four weeks after. Then provided you keep up the night temperature as stated and follow it up with a day temperature of 58° to 60° on cloudy days and on bright days about 65° with ventilation on, being guided in the extent of the ventilation according to the state of the weather, I am of the opinion that an improvement will quickly be noticeable. C. W. JOHNSON.

WITH THE GROWERS

John Walker, Youngstown, O.

The encroachment of large manufacturing plants with their dirt, soot, smoke and foul air upon the greenhouse plant of John Walker at Youngstown, O., made it necessary that he look around and procure a location where the conditions were more propitious for the production of cut flowers. He consequently last year, after looking thoroughly over the country adjacent to the city, purchased seventeen acres at Boardman about five miles from the center of the city, and last summer erected a range of new houses which we illustrate.

The houses are thoroughly up-to-date; four are 28½ x 200 feet, one 18 x 200 feet, and two which connect at the end with the boiler house are each 18 x 100 feet, comprising an area of

30,000 square feet, the material being furnished by the Foley Manufacturing Co. of Chicago. The houses are all equal span, glazed with 16 x 24-inch glass, set the 24-inch way between bars, giving the maximum amount of light. The walls are seven feet high to gutter which allows for ample head room. The heating is by steam furnished by a large return tubular boiler and over 2,000 feet of pipe was used in installing the heating plant. The houses are situated on high ground overlooking the valley of Mill Creek, away from the soot and dirt of the manufactories.

The first house is devoted to roses and here is a fine healthy crop of White Killarney, Richmond, Killarney Perle and Mrs. Aaron Ward roses. The other three large houses are filled with carnations and a glorious assortment of the standard varieties is to be seen, Enchantress, White Enchantress, Rose Pink Enchantress, Victory, Beacon, Winsor, Mrs. T. W. Lawson, Harlowarden, and among the newer varieties were noted May Day, Scarlet Glow, Mrs. C. W. Ward, Pink Delight, Dorothy Gordon and others. One of the narrower houses is planted to sweet peas and violets and the other two are used for the cultivation of smilax and other greens and for propagation. The crops are all in a splendid condition and that the proprietor has not forgotten his early training and cunning is manifest by the fine quality of blooms being grown.

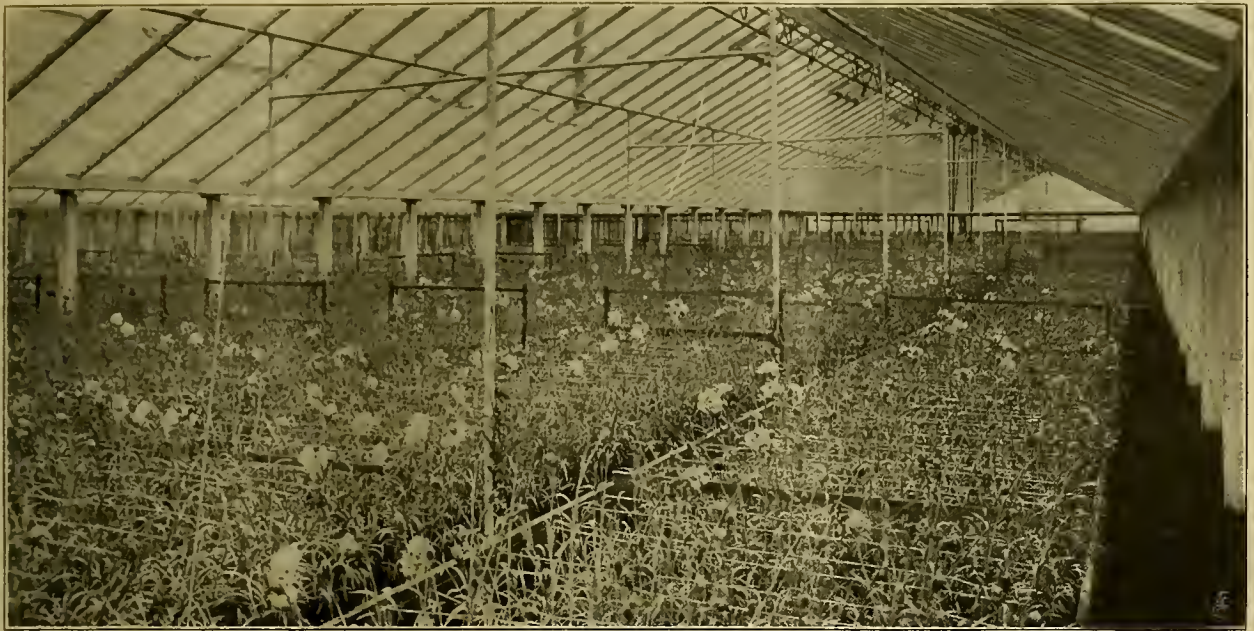
The old plant at Crab Creek has not been abandoned, being used for bulk stock, palms, ferns, pot plants and decorative stock and a large quantity of bedding plants are grown here, but it will probably be but a matter of a few years when all will be assembled at the new plant.

My Maryland Rose at W. J. & M. S. Vesey's

We boarded an interurban car recently and took a trip to Fort Wayne, Ind., to look over W. J. & M. S. Vesey's Easter stock. At the office we were met by W. J. Vesey, Jr., the efficient young manager of this large establishment. The first house we entered was planted to My Maryland and a finer sight we never saw in a rose house. Young Mr. Vesey has been gaining quite a reputation for growing this va-



JOHN WALKER'S NEW RANGE OF GREENHOUSES, FOLEY CONSTRUCTION, AT BOARDMAN, O.



CARNATIONS AT JOHN WALKER'S NEW GREENHOUSES, BOARDMAN, O.

riety for some years. Until seeing this house we did not believe such results were possible. The house in question was forced two years without a rest, then this year it was rested from January 17 to February 17 and the bulk of this crop will be in for Easter. From August 1, 1910, to July 31, 1911, there were 45,962 blooms cut from 1,146 plants or a fraction over 40 flowers to the plant. This seems phenomenal, but if any one would visit this house and see the enormous crop now ready to cut it would not seem so remarkable. Mr. Vesey informed us that there are three very essential things for the successful cultivation of this rose, namely, water, feed and heat, and judging from what we saw they surely get the trio.

My Maryland is not the only thing that is well done in this establishment. Killarney, White Killarney and Rhea Reid will compare favorably with the best grown roses in the west. Carnations, too, were in excellent shape. Mr. Vesey thinks well of White Wonder and Gloriosa; both will be planted largely next year. Azaleas, hyacinths, tulips and daffodils we noticed in large quantities just right for Easter. One small house is devoted to orchids and the returns have shown up so well on the right side of the ledger that the number will be largely increased next year.

W. W. COLES.

Society of American Florists.

MEETING OF THE EXECUTIVE BOARD.

The board of directors of the S. A. F. met in Chicago, in the Auditorium hotel, March 13-15. There were present President Vincent, Charles H. Totty, E. Allen Peirce, H. A. Bunyard, John A. Evans, W. N. Rudd, George Asmus, Robert Craig, August Poehlmann and Secretary Young. The board was in session practically the whole three days and accomplished a vast amount of business.

The sum of \$50.00 was placed at the disposal of Prof. H. H. Whetzel of Cornell University to cover the expense of an exhibit embracing the diseases of the florists to be made at the Chicago convention.

A request from I. S. Hendrickson, president of the American Gladiolus Society, that arrangements be made for space in which to exhibit gladiolus blooms at the Chicago convention and that such arrangements allow of a competitive class for amateurs was granted. A request of the Western Dahlia & Gladiolus Society on the same lines was, upon motion, refused for the reason that the board believed it to be for the interest of the society that divisions or multiplication of such societies should not be encouraged, and, further, that the allotment of space for another display of gladioli was not feasible.

The committee having in charge the matter of life membership badges was continued, and the committee was empowered to make arrangements with manufacturers for a supply of badges to be offered at a stated price to members wishing to purchase; thus finally disposing of this matter.

Vice-President Poehlmann reported that the Coliseum in Chicago had been engaged to house the August convention of the society under the terms considered at the meeting of the board at Detroit, and the action of the officers in taking a lease was approved.

A committee was appointed to formulate a plan looking to the affiliation of sister societies of the S. A. F.; such plan to be presented at the first executive meeting to be held at the August convention and finally submitted to the convention for decisive action.

The sum of \$100.00 was appropriated to the use of the committee on school gardens, to be used in the preparation of a text book for school teachers of America, outlining methods of teaching gardening to elementary school children. A further appropriation of \$50.00 was made to the committee on school gardens for use in its work.

A request from Mrs. Charles H. Maynard, secretary of the Ladies' Society of American Florists, that the society be given a place on the convention programme for its annual business meeting and a reception and dance was granted.

The rules governing the trade exhibition of this society in previous years came in for much consideration and several amendments were made. An advisory committee was appointed to which all the matters relating to the trade exhibition and exhibits are to be referred.

It was arranged that the Auditorium hotel be selected as headquarters for the society during the convention; it being understood that the management of that hotel was willing to furnish a room in which the president's reception could be held.

It was decided to recommend certain amendments to the by-laws of the society, chief among which is one covering the election of the secretary, the recommendation in this case being the amendment of Article 11, Section 2, by adding: "The Secretary shall be elected by the directors at the annual mid-lent meeting, and shall serve one year; seven (7) affirmative votes shall be necessary to elect and nine (9) to remove him from office before the expiration of his term."

The following appropriations were made:

Tariff committee	\$100
Legislative committee	100
Entomologist's office	50
Pathologist	50
Botanist	50
Annual badges	50
Dies for new badges.....	50
Secretary's assistant at convention	100
Sports committee	50
President's messenger at convention	25
School gardens committee.....	50
School gardens committee for publication of text books	100

The programme for the August convention involved a good deal of discussion which resulted in a skeleton programme being formulated.

It was decided that the rate for space in the trade exhibition should be 40 cents per square foot, and that the smallest amount of space to be sold should be 50 square feet.

A resolution, covering the thanks of the board, was passed to the Chicago Florists' Club and the Horticultural

Society of Chicago for entertainment and other courtesies extended to the board during its stay in Chicago.

On Thursday morning the board visited the Coliseum building in a body to inspect the same and decide upon a plan for the arrangement of the trade exhibition.

Treasurer William F. Kasting was unable to be present at the meeting through sickness. A message of sympathy was dispatched to him to Hot Springs, Ark., where he was undergoing treatment.

JOHN YOUNG, Sec'y.

Banquet of Tri-City Florists' Club.

The fifth annual banquet of the Tri-City Florists' club which was held at the beautiful building of the Outing club, Davenport, Ia., March 28, was without doubt the most brilliant and successful affair ever held by any club in this part of the country, and was attended by a large number of florists and their friends. Included among the number were the following guests: J. C. Vaughan, M. Barker, of THE AMERICAN FLORIST, and P. J. Foley, president of the Chicago Florists' Club of Chicago; Wesley Greene, secretary Iowa Florist and Iowa Horticulture Society of Des Moines, Ia.; J. W. Davis and A. Ankney of Bettendorf.

The tables were set in the form of a horseshoe, conveying the thought of good luck to all that attended. The table decorations were beyond description, and we can only say that nothing like it was ever attempted outside of Chicago. Beautiful baskets and vases of the very best roses, carnations and other flowers occupied places where they showed to the best advantage and smilax, ferns and other greens ornamented the cloth. Bouquets of violets were presented to the ladies and carnations to the gents. The head table which formed the point of the horseshoe and at which sat the invited guests, the toastmaster and their lady friends would have, without doubt, captured the prize in any competition ever held. The center piece was a large basket of lavender sweet peas intermingled with boxwood, the

handle being tied with lavender chiffon; on the cloth facing the opening was fastened lavender solanum, smilax and sweet peas and on each side of the table on the floor were two vases three feet high filled with stocks and antirrhinums that were greatly admired by all. The flowers of the snapdragons were very large and stems were very graceful and all of five feet in length. In the center of the open space was a bank of the Cineraria stellata of a cerise color in which callas were placed, making a beautiful decoration. Between the two ends of the horseshoe was a table some 15 feet in length on which was placed the exhibition flowers which consisted of three vases of seedling carnations of 150 each and one vase of about 75 blooms of the new red carnation which is making such a hit in this locality, shown by A. Anderson. Not one of the flowers was less than 3½ inches in diameter, and many of them were over four. A vase of St. Nicholas carnations occupied the center of the

table, sent by Baur & Steinkamp, Indianapolis, was greatly admired. The hall was decorated with wild smilax and decorative plants, the mantle being decorated with ferns, smilax and variegated vinca, and was beautiful, the variegated vinca proving a fine decorative plant as here used with other greens. Every member of the club sent in an abundance of the best they had and on behalf of the committee in charge the writer extends to them a vote of thanks for their kindness, not only for their flowers, but for their assistance and presence, thereby making the affair the grand success it was. The committee in charge deserve great credit for the way everything was carried out and the decorating affairs. Chairman Boehm was responsible for the beautiful table decorations which showed him to be a master hand, and he was ably assisted by Harry Bills. Henry Pauli arranged the hall and mantle decorations and the beautiful baskets used on the tables. Theo. Ewoldt had his hand into almost everything, and John T. Temple, the other member of the committee, entertained the invited guests. The committee worked hard and everyone present will agree that the results showed them to be well up in their profession.

After the banquet, Theo. Ewoldt officiating as toastmaster, introduced the following speakers who made interesting addresses: P. J. Foley, Wesley Greene, J. C. Vaughan and M. Barker. Between the addresses were interspersed piano solos by Prof. Shaeffer and vocal selections by J. W. Barr. As several visitors were obliged to leave to catch the train, the programme in full was not carried out. A photograph was taken after which the tables were removed and dancing followed until a late or rather an early hour. A grand time was enjoyed by all present. The guests were all so jolly that it seemed more like a family gathering than the stiff and formal banquets which are usually held.

Between the hours of 5 and 6 o'clock a great many ladies of the city took advantage of the invitations extended them by the florists and visited the houses and viewed the decorations.



Theo. Ewoldt.

President Tri-City Florists' Club.



BANQUET OF TRI-CITY FLORISTS' CLUB AT DAVENPORT, IA., MARCH 28.

NOTES.

Who ate the most? We won't tell. But there was a little boy there that weighed 375 pounds that seemed to enjoy everything that came his way.

After being introduced, the ladies paid no little attention to an editor of a florist paper of Chicago.

The remark, "the next congressman of the second district of Illinois," met with a hearty approval. Some ladies' man, too, that gent.

Wesley Greene's address was a fine one. We are only sorry that we have not a stenographic report. Mr. Greene arrived late, due to the fact his train was two hours behind time, but arrived in time to enjoy the menu and to take part in the programme.

An American Beauty rose came near being the cause of Theo. Ewoldt losing his lady friend. Ask one of the Chicago guests. It was a neat trick, but there's a man running around Chicago with a thorn in his thumb.

The ladies—God bless them—were on hand in all their finery and added much charm to the occasion. Mrs. _____ was attired in a beautiful dress of silk made _____. We can't do it, so ladies you'll have to excuse us. We are not up in social affairs, so the descriptions of your beautiful dresses will have to be left out. I know it's a shame but next time we will see that we have a society editor on hand. T. E.

ADDRESS OF WESLEY GREENE.

I am glad to be with you this evening after being absent for so many years. I have some very pleasant recollections of former meetings of the florists of the tri-cities, of picnics at Suburban Island, and chrysanthemum shows in Turner Hall. This is the oldest florist club in the state, if not the only one having such a long and prosperous career. The club has a record of which it may well be proud. It has brought together members of the craft in the tri-cities in social intercourse, and cemented bonds of friendship that cannot be other than beneficial to the trade by eliminating petty jealousies so often found among competitors in business.

In speaking of floriculture in Iowa, I cannot tell you when or where the first greenhouse was built or garden planted, but hope to be able to do so before the next meeting of the state society. In horticulture, we have some such record, and floriculture is the more æsthetic part of horticulture.

In 1799, Louis Honore Tesson planted an orchard of 100 apple trees near where the town of Montrose is now located, which he brought from St. Charles, Mo. It is not known that Julien Dubuque ever planted a tree or flower during his sojourn from 1788-1810 south of the town which now bears his name; though an apple tree was found growing near a spring in the timber that showed great age and may have grown from a seed left by someone who had camped there during that period. Not until the Langworth Brothers started a nursery after opening the mines again in 1835, have we any record of gardening at Dubuque.

Scarcely a mile from where we are assembled tonight, Antonie LeClaire planted an orchard in 1833. Some of the members of the club may remember Mr. LeClaire, Captain W. F. Cook, Major Gorden, Geo. Davenport and

other early settlers. The only floriculture at that time was what nature had planted. The marsh marigolds gave back its gold from the sun-kissed meadows; wild violets on the hillsides reflected the blue arch above, white cranebills and shooting stars added white and purple to the margins of streams where the red strawberries nestled in the grass while the bobolinks fluttered out an exaltic song to his dusky mate. Such was still the condition of floriculture when I first beheld these "pararies," fifty-seven years ago. "As they stretched in airy undulations far away, as if the ocean, in his gentlest swells stood still, with all his rounded billows fixed and motionless forever."

With the early settler it was a contest for a livelihood and the florist had only a limited demand for plants and less for cut-flowers. But with an increase in population and accumulated wealth gathered from its fertile soil, floriculture kept pace with the onward movement. There are now more than a hundred floral establishments in the state, with an area in glass equal to any west of Chicago. Not only has floriculture grown in the greater quantity of stock produced, but in the quality of flowers grown. The small glass in heavy wooden frames on narrow houses has given place to larger glass on lighter wood and iron structures of greater width, having a larger volume of air and more uniform temperature. Specialization has been the watchword, growing only one variety in a house so that the necessary temperature could be maintained, and a greater measure of perfection attained in flowers or plants. It is probably better for the retail florist with a limited area of glass to buy his roses, or carnations than to attempt to grow too many varieties in one house. That depends, of course on local demand and shipping facilities. I believe co-operation would be mutually advantageous if some arrangement could be made between florists living in the state by which they could fill orders for each other when received too late for trains, or where shipping connections are not good, causing vexations, if not destructive delays on station platforms. This I believe would be good work for the state society—its members could assist each other when cases of this kind occur. I believe it would be for the upbuilding of the craft if its membership would get into close touch with each other throughout the state.

The florist should be a leader in civic improvement and home gardening projects. The more interest that can be aroused in such organizations the greater will be the demand for florist's stock. I need not speak of the æsthetic influence of floriculture on the community. Who can compute the value in dollars and cents of the fragrance of flowers on the human soul? Or estimate in cold cash the value of a bird's song? Truly the effects of an apple orchard in bloom, or a garden of flowers, is not without value in character building. To live in squalor and dirt, in dilapidated buildings surrounded by tin cans and ashheaps, will make men vicious. We cannot afford to neglect anything that would tend to make men criminals. Then let us make our homes as beautiful as we can, live in the open sunshine where we can breathe the fresh air, hear the birds sing and smell the fragrance of the flowers. Then will

we realize what a beautiful world it is in which we live and what an exhaustless source of enjoyment there are in life with such environments.

Denver, Colo.

There has been very little improvement in business. The weather conditions have improved somewhat this week but there is evidence of another snowstorm. We have always boasted of our good Italian climate but this year we must acknowledge that we have had a bad winter, the worst for fifty years. The rainfall has been above the average and will mean millions of dollars in crops in the agricultural districts. This will mean a prosperous year for Colorado and the florist business will come in for its share. Easter stock is in fine shape. Hydrangeas especially are in excellent condition both in shape and color. There will be some good ramblers, mostly Dorothy Perkins, White Dorothy Perkins and Lady Gay. Tausendschon was a little early and most of these have been sold already. Spiræas are the best we have ever had here. Lilies are a little short but the flowers are of good quality. In cut flowers there will be plenty excepting American Beauties, which will be a little short. Carnations we have, and some to spare, and some to dump. More should be dumped and prices kept more steady. If the growers could see things in this light they could make more money and the retailers too. Control the output of anything and there will be more money made. Violets are very plentiful with very little demand. Sweet peas are of good quality and sell fairly well. E. P. N.

Meetings Next Week.

- Albany, N. Y., April 11.—Albany Florists' Club, 1054 Madison avenue.
 Baltimore, Md., April 8, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.
 Butte, Mont., April 12.—Montana Florists' Club, Columbia Gardens.
 Chicago, April 10.—Gardeners' and Florists' Union No. 10615, 230 North Clark street.
 Cincinnati, O., April 8, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.
 Cleveland, O., April 8, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.
 Davenport, Ia., April 11.—Tri-City Florists' Club, home of Harry Bills.
 Hartford, Conn., April 12, 8 p. m.—Connecticut Horticultural Society, County building.
 Madison, N. J., April 10, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.
 New York, April 8, 7:30 p. m.—New York Florists Club, Grand Opera House building.
 New York, April 10, 4:30 p. m.—Horticultural Society of New York, American Museum of Natural History.
 Norwich, Conn., April 8.—New London County Horticultural Society, Buckingham Memorial.
 Omaha, Neb., April 11, 8 p. m.—Omaha Florists' Club, City hall.
 Rochester, N. Y., April 8, 8 p. m.—Rochester Florists' Association, 97 Main street east.
 Springfield, O., April 8.—Springfield Florists' Club, office of the Good & Reese Co.
 St. Louis, Mo., April 11, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Nieth and Olive streets.
 Toledo, O., April 10.—Toledo Florists' Club.

The Forest Ranger.

His way is through primeval woods,
 He knows the ancient tongue
 In which the crystal cataraets
 For ages long have sung.
 The messages that nature writes
 On leaf and bark and seed,
 And fallen leaf and broken twig
 He never fails to read.

When sunlight gilds the lichened rocks,
 Or snows are cold and pale,
 Along the dusky forest aisles
 He tramps the lonely trail;
 And fir and spruce and tasseled pine,
 And oak with hoary knees,
 Salute him as he passes by,
 The captain of the trees.
 —Minna Irving, in New York Sun.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send he old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 60 PAGES WITH COVER

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There isn't all the time to spare
That makes a standard year,
So gentle spring should have a care
Or fall may beat it here.

The lily is a fragile flower and easily bruised. No matter how mild the weather the blooms should be well wrapped in soft paper to ensure safe delivery.

SEND us report on your Easter trade, stating how prices and business compare with those of last year, what stock was most in demand, what stock in short supply and what in over supply.

This is the time to make notes of the Easter stock to which to refer in 1913. Easter comes two weeks earlier next year, and it will not do to depend upon guess work to have everything in the best condition by March 23, which is the date for Easter in 1913.

Personal.

Treasurer Kasting has returned to Buffalo much improved by his sojourn at the springs.

It may be a coincidence that B. W. Balaam sells horses and mules in Iowa, but how do you account for the fact that Carl Sprinkle of Lincoln, Ill., gave up his position in Gullett's greenhouse?—Chicago Tribune.

SAN FRANCISCO, CALIF.—Hundreds of men, women and children are planting California golden poppy seed on the slopes of Telegraph hill to beautify the now flowerless hills on the north shore of the channel before the opening of the world's fair in 1915.

THE foliage of spiraea (Astilbe Japonica) is one of the best greens for bouquets or other florists' work. Any plants from which the flowers are cut or which are not full of bloom, the foliage should be saved for flower work.

WE are in receipt of the preliminary premium list of the fall flower show of the Minnesota State Florists' Association, to be held at the Auditorium, St. Paul, about November 8-12. The premiums are quite liberal and copies of the list may be had on application to Secretary S. D. Dysinger, 20 West Fifth street, St. Paul, Minn.

The Date of Easter.

There has been and is considerable discussion among growers regarding the earliness of Easter date, 1912; we give below the Easter dates for the past five years, together with the dates for 1912 and 1913.

1907.....	March 31
1908.....	April 19
1909.....	April 11
1910.....	March 27
1911.....	April 16
1912.....	April 7
1913.....	March 23

Chrysanthemum Society of America.

The executive committee of the Chrysanthemum Society of America has voted to accept the invitation of the American Institute of New York to hold the annual meeting and exhibition of the society with them, November 6-8, 1912.

A. N. Pierson Co., Cromwell, Conn., offer the following special prizes for this show:

Best 12 blooms, any one variety, on long stems, first prize \$10, second prize \$5. Open to commercial growers only.

Best vase of pompons, one or more varieties, first prize \$6.00, second prize \$5.00. Open to commercial growers only. CHAS. W. JOHNSON, Sec'y.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Public notice is hereby given that Alex. Dickson & Sons, Newtownards, Ireland, address Robt. Scott & Son, Sharon Hill, Pa., agents, offer for registration the following rose. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

Killarney Brilliant—A double sport from Killarney, originating in England. It is more double than Double Pink Killarney and the color is more brilliant than the original Pink Killarney. Habit, growth and form like original Killarney.

JOHN YOUNG, Secretary.

March 30, 1912.

Toronto.

FINE OUTLOOK FOR EASTER.

Business conditions here were never better and the outlook is for an exceptionally good Easter. Stock at present is in fine shape with the exception of American Beauties, which are scarce; other varieties of roses are fine and a pleasure to handle. Richmond, Killarney and Brides are coming in the best shape and with their splendid color and long stems are hard to beat. Carnations are all that could be desired. They are fine and have been plentiful enough to sell at bargain prices for the past two weeks. Violets which have been very plentiful are about over and the cut at Easter will not be large. Bulbous stock has been more than plentiful, with the better varieties of daffodils as low as \$8.00 per 1,000 and tulips at \$10.00. It looks as if the bulb growers have been trying to outdo each other, greatly to some one's loss. Easter prices which are now at hand quote roses such as Richmond, Killarney, Bridesmaid, Brides, etc., at from 5 cents for the poorest to 15 cents for the best; Carnations \$2.00 to \$6.00 per 100; lily of the valley, \$3.00 and \$4.00; tulips, \$2.00 and \$3.00; daffodils, \$2.00 and \$2.50; lilies, \$8.00, \$10.00 and \$12.00; Cattleya Schroderae, 20 to 35 cents each. There are also a fine lot of flowering plants but the heavy run on these is, mostly azaleas, rhododendrons, lilacs and ramblers roses, the prices of which are favorable with other seasons.

NOTES.

This is the season when the prospective buyers are scouring the houses looking up Easter stock. Brampton was the scene of a recent visitation and was as usual well along with the Easter crop. The Dale Estate had a house of Cattleya Schroderae which was a sight to behold. The plants are in the best of shape and well covered with bloom. In the lily of the valley houses 100,000 pips are being brought along; they promise from eight to 14 bells to each stem and are a fine looking lot. The lilies were also in good shape. Carnations show every indication of a good crop, while roses will be a little on the off side. At R. Jennings the place was found as usual, never with an exceedingly large crop but always with a good average and some fine blooms.

J. H. Dunlop has a nice assortment of Easter plants besides his usual roses and carnations. His lilies are in grand shape and have sold out quickly. He has his former foreman, A. H. Houle, back again and will try to produce even better stock.

Joseph Boston is bringing in sweet peas and stocks, both of which are welcome. The past winter has been a severe test to him and he will change his heating plant. Spaulding boilers are now commanding his attention and are likely to be tried.

Bedford Park Floral Co. is cutting some of their three and four-foot Richmonds for which they are famous. This firm is busy on their new addition and when completed American Beauties will be given a thorough test.

The Steele-Briggs Seed Co. has a nice lot of Liliun Longiflorum which will be just right, and a batch of their own strain of Primula obconica are moving out quickly.

Grobba & Wandrey are busy night and day. They are handling the decorations of the department stores and it keeps them on the jump.

Frank Duffort believes in doing a few things well. This year it is lilacs, ramblers and hydrangeas. They look fine and will sell out easily.

Everything, weather included, looks rosy for Easter. H. G. D.

Wants, For Sale, Etc

One Cent Per Word. Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By German florist; single; good grower of cut flowers and plants; strictly sober; prefer place near Chicago. Address Key 590 care American Florist.

Situation Wanted—An experienced gardener is desirous of securing a situation in a private place in or near Chicago. For further particulars Address Key 591, care American Florist.

Situation Wanted—As gardener or superintendent; 20 years' experience in greenhouse and landscape work; best references; Scotch; age 38; married. Address Key 596, care American Florist.

Situation wanted—In or near Chicago; an experienced carnation grower capable of taking charge; can furnish the best of references. For further particulars address Key 592, care American Florist.

Situation Wanted—As a first-class grower; single; sober and a hustler, and can produce the roses; ready to come by 20th of March; please state full particulars and wages. Address Key 587 care American Florist.

Situation Wanted—A young man wishes position in florist establishment; has had a little experience and is willing to learn. Address CLARENCE ROACH, 153 W. Indiana Ave., Valparaiso Ind.

Situation Wanted—As foreman or manager by first class grower of choice pot plants and cut flowers; At in roses; German; good references; state particulars. Address Key 598, care American Florist.

Help Wanted—A young lady florist to help in store and office; give reference. Address Key 569, care American Florist.

Help Wanted—Experienced grower of carnations; married preferred; good wages; steady employment. Address Key 595, care American Florist.

Help Wanted—First class salesman and designers for our retail stores. Apply to HERMAN BERSHAD, Care Loeser's Fulton St. Brooklyn.

Help Wanted—Young man with some experience in greenhouse work (principally roses) or growing of outside flowers. H. H. BATTLES, Newtown Square, Del. County Pa.

Help Wanted—An experienced palm grower for commercial place near Chicago. Must know how to grow good decorative stock. Address Key 561, American Florist.

Help Wanted—A good all-round man, one who thoroughly understands growing and watering; position in an eastern city; married man preferred; references. Address Key 570 care American Florist.

Help Wanted—Experienced gardener for outside landscape work; state experience and reference. steady position; \$75 00 per month. WM. MEHL Landscape Architect, 23 Euclid Bldg., St. Louis, Mo.

Help Wanted—A good grower of pot plants, bedding stock, etc.; must understand filling porch boxes, also handle bulk stock and general line for a retail business; wages, \$15.00 per week to start, more if found worthy. M. BLOY, 880 Van Dyke Avenue, Detroit Mich.

Help Wanted—At once; young single man, for a steady position on a private place; one who understands garden and greenhouse work; must be neat, sober and industrious; please enclose copies of references; also state age and nationality. Box 103, Green Lake, Wis.

Help Wanted—A first class vegetable grower; one who understands both forcing and outside gardening; American preferred; if German, must speak good English; give name of last employer and state wages expected. MCNABB PARK VEGETABLE FORCING CO. (Inc.), Oklahoma City Okls.

Help Wanted—At once; an experienced carnation and 'mum grower to work under foreman; also a general greenhouse man experienced in bedding out, filling vases, etc.; applicants for either position must send references and state age and wages expected in first letter. JOHN RECK & SON, Bridgeport, Conn.

Partner Wanted—Capable dependable experienced man as a partner for raising lettuce, and who knows good location and has from \$1000 to \$5,000 to invest but desires additional capital. Box 185, Wilburton, Oklahoma.

Partner Wanted—A No. 1 nurseryman sober, must have knowledge in landscape work, as a partner in a full stocked small nursery in a fast growing suburb; give privilege to buy whole interest now or later; \$2,000 required. Address VILLA PARK NURSERY, Elmhurst, Ill.

Grower Wanted—A good chance for an industrious florist who can grow A No. 1 carnations; must know enough to take charge and be willing to work on commission; owner has other interest and cannot look after 20,000 feet of glass; 50 miles from Chicago. Write or call. ROSFDALR GREENHOUSES McHenry, Ill.

For Sale—Greenhouses and store; established trade; wish to retire. J. NELSON, 1747 W. Huron St., Chicago.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL Great Falls, Montana.

For Sale—Cheap, greenhouses, good location, equipped doing good business; splendid opportunity for young man with small capital. G. W. PATTERSON, Corry, Pa.

For Sale—Small but good greenhouse plant and cottage in fast growing town in Oklahoma; no competition within 35 miles; the best of bargains; write for particulars. Address Key 576, care American Florist.

For Sale—On account of age, two small greenhouses and four acres of land; a steadily increasing business done for years which could be easily doubled by a younger and stronger person; a snap for a young man. For full particulars Address Key 594, care American Florist.

For Sale—Modern, well piped greenhouse, about 4000 feet glass. Well worth the money, or could take a partner with \$1000 to increase plant. Well established trade store in town. Greenhouses on train route. A. R. SALMON, Kalispell, Mont.

For Sale—\$3,000 (I will buy 1/2 interest in a good greenhouse market garden and ranch, doing business of thirty years' standing in one of the best markets in the United States; over 5000 feet of glass with 6000 feet of glass on hand for additional buildings; exclusive market, with no competition; ranch contains 24 acres. Or will sell the whole owner having other business demanding all his attention. Address W. J. PADDOCK, Leadville Colo.

For Sale—Greenhouse property for \$3800 if sold very soon; property worth that without a greenhouse on it; has a 7-room frame house and a small barn 6 glass houses, boiler and all necessary outfit; good well water tank, wind mill, 10 acres of tile-drained land quantity of fruit; is located inside the limits of a city of 6000 population has the best of macadamized roads also unequalled shipping facilities; I will also include several delivery wagons buggy, harnesses and other small tools. Address PETER WIJDERHOLD, 115 South Franklin St., Saginaw, Mich.

Wanted To Buy—Forty good second-hand hotbed sash. J. W. MILLER Hope, Ind.

Wanted to Buy—First class retail flower shop in city of Toledo. Address C. LEE, General Delivery, Cincinnati Ohio.

Wanted—Sister Helen wants to hear from Zina Tanner regarding father's death; real estate can not be settled until found. HELEN TANNER HANFORD, 472 W. 10th St., Winona, Minn.

FOREMAN

Good grower of roses, carnations and bedding plants can secure fine situation in the Middle West by answering this advertisement today. State particulars in first letter. Address

Key 593, care American Florist.

WANTED

Experienced man who understands propagating and the handling of men, to build up a young nursery. Excellent prospects. State experience and salary expected. Answer now.

Key 597, care American Florist

FOR SALE-A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosback Greenhouse Co., Oxnega, Ill.

For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired) one mile out on electric car line; good 9 room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass, well stocked; good reasons for selling.

HENRY GAETHJE, 1607 Second Avenue, Rock Island, Ill.

FOR SALE

Well Established Nursery.

Excellent location near one of Minnesota's most flourishing cities. Excellent railroad facilities. 120 acres in Apples, Small Fruit and Ornamental Stock. Good Buildings, Storage and Packing Cellar. Will be sold with or without land—long lease if desired. An exceptional opportunity if taken at once. Good reason for selling. Write

KEY 578, Care AMERICAN FLORIST.

PARK COMMISSIONER FOR TORONTO, CANADA.

Applications for the above named vacant position will be received by the undersigned. Applications should be accompanied with full particulars as to applicant's ability and experience, with testimonials, etc.

G. R. GEARY, (Mayor),

Chairman Board of Control.

City Hall, Toronto, Jan. 17, 1912.

Greenhouse Construction.

By L. R. TAFT.

A complete treatise on greenhouse structure and arrangements of the various forms and styles of plant houses, for professional florists as well as amateurs. All the best and most improved structures are clearly described. The modern and most successful methods of heating and ventilating are fully treated upon. Special chapters are devoted to houses used for the growing of one kind of plants exclusively. The construction of hotbeds and frames receives appropriate attention. Over 100 excellent illustrations, 210 pages, 5x7 inches. Cloth \$1.50.

AMERICAN FLORIST CO., 440 S. Dearborn St., CHICAGO.

OFFICIAL S. A. F.

Shipping Labels



Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 Dearborn St., CHICAGO.

Big Crop of Beauties

Fine Long Stock Now Coming in

Roses, Lilies and Fancy Carnations

We grow all the flowers we sell and guarantee them to be absolutely fresh.

BUY DIRECT OF THE GROWER

EASTER PRICE LIST

Subject to change without notice

AMERICAN BEAUTIES.		Per doz.	WHITE AND PINK KILLARNEY, PERLE AND RICHMOND.		Per 100
Extra long	.....	\$3.00 to \$4.00	Extra long select	.....	\$8.00
24 to 30-in.	.....	2.50	Good length	.....	6.00
20-in.	.....	2.00	Medium length	.....	4.00 to 5.00
15-in.	.....	1.50	Short	.....	3.00 to 4.00
12-in.	.....	1.00	CARNATIONS.		Per 100
RHEA REID.			Extra long fancy O. P. BASSETT	.....	\$3.00
Extra long select	.....	\$8.00	Fancy white	.....	3.00
Good length	.....	\$6.00 to 7.00	Fancy pink	.....	2.00 to 3.00
Medium length	.....	5.00	Fancy dark pink	.....	2.00 to 3.00
Short	.....	3.00 to 4.00	EXTRA FINE EASTER LILIES.		
FANCY BULB STOCK.			Per dozen	.....	\$1.50
Daffodils	.....	\$2.00	Per 100	.....	10.00
Dutch Hyacinth	.....	\$5.00 to 6.00	ASPARAGUS SPRAYS	..... per 100,	3.00 to 4.00
LILY OF THE VALLEY	.....	3.00 to 4.00	SMILAX STRINGS	..... per doz.,	3.00
FANCY DOUBLE TULIPS	.....	3.00 to 4.00	ADIANTUM	..... per 100,	1.00
FANCY SINGLE TULIPS	.....	2.00 to 3.00	GALAX, Green & Bronze	..... per 1,000,	1.25
JONQUILS	.....	2.00 to 3.00	FERNS	..... per 1,000,	3.00

Bassett & Washburn, Chicago

Store and Office: 131 N. Wabash Ave.

Greenhouses: Hinsdale, Ill.

Chicago

A LARGE QUANTITY OF STOCK.

The one great feature of the Easter of 1912 is the large amount of stock which all the growers and dealers have to offer, and it really seems at the middle of the week that no matter what the demand may be there is plenty of good stock to fill all the orders that will be received. There is a bountiful supply of roses and the stock is of excellent quality. The only possible scarcity that appears before the heavy shipments are made is in long-stemmed American Beauties. Killarney and White Killarney are in great supply and of splendid quality. My Maryland is also of good quality. Richmond is superb, some elegant long stemmed stock with fine long buds being seen. There is also a fair supply of the novelties of the best quality and they find a ready sale at good prices. Carnations have not been received in such large quantities during the week, some of the growers saying that the cut is not large, but the prevailing opinion seems to be that a look around the greenhouses would find large quantities held back for the last of the week. Time only will prove whether this is so, but it was unnecessary and stock kept too long at this time of the year is sure to meet with much loss. Lilies and callas are in bountiful supply, large quantities of both are to be found with all the dealers. There is a good supply of lily of the valley and orchids are adequate for all the demands. Sweet peas are abundant, the stock is of the finest quality, and there is a great variety of colors offered. Bulbous stock is plentiful, tulips, hyacinths and daffodils being received in large quantities. Violets are beginning to shorten up and there will be no surplus for Easter in these flow-

ers if the demand is anywhere near what it ought to be. The home grown blooms are of very good quality and are having a good sale and the stock shipped in is also selling well. There is splendid mammoth mignonette and beautiful snapdragon offered and some of the finest stocks were to be had on the market this week. The trade in greens is large but the supply is good and there does not appear to be any shortage of any of the seasonable stock. The plantsmen have had a busy week and quantities of pot lilies have been sold and delivered but there will probably be enough to supply all the demands. Beautiful azaleas, roses and other blooming stock have been carried to the stores all the week, and thousands of bulbs of all kinds have been bloomed for the Easter trade. With pleasant weather the large stock of both plants and flowers should find a good sale and if the market cleans up well the Easter of 1912 is sure to be a prosperous one.

A LETTER OF THANKS.

Mrs. Weber, widow of the late Fred Weber, and family, send the following: "We would like to thank the members of the trade through your paper for their heartfelt sympathy and their many beautiful floral offerings bestowed upon us in our hour of sadness, when we parted with our beloved father and husband."

NOTES.

Pochlmann Bros. Co. is prepared for a big Easter trade and it looks as if it will be a big one, for Otto W. Frese has been pretty busy at his desk receiving orders the past week. He says that the demand for pot lilies has been the best ever and it looks as if John Pochlmann and his force of hustling assistants will have some work to attend to before Easter. An

error appeared in this firm's advertisement in this paper last week and smilax should have read \$2.50 and \$3.00 per dozen instead of the price quoted.

Peter Reinberg is right in crop with Killarney and White Killarney and large quantities of these and other choice roses are arriving at the store this week. This firm's pretty rose Sunrise is also in full crop and we notice that it is being featured in the downtown window displays.

Bassett & Washburn have a fine lot of stock for Easter and are particularly well fixed on all kinds of flowers, especially roses and carnations. Mr. Washburn says that his firm has received a large number of orders for Easter and that the demand for first class shipping stock is very good.

Wendland & Keimel's new range is all ready for planting and the proprietors are now awaiting the arrival of the rose plants from A. N. Pierson of Cromwell, Conn. Fred Meyer, a well known rose grower, is now in the employ of this progressive concern.

The Chicago Flower Growers' Association is moving a lot of stock this week and is pretty well fixed on roses, carnations and lilies. President Kidwell says that the Wellworth Farms alone will have 6,000 Easter lilies for this house yet this week.

Hoerber Bros. are supplying their customers with a fine grade of stock, particularly choice Killarney and White Killarney roses.

Weiland & Risch's fancy stocks are the talk of the market and the grower is to be congratulated for his success in producing such fine flowers.

E. C. Amling has been elected president of the new state bank of Oak Park, a suburb of this city.

A coming event: The Iris Queen and the Irish King.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.



All late orders for Easter will be filled in full and we will also have plenty of all kinds of stock to fill your orders for the following Monday and after. In fact we are always assured of a large supply for our large factory never stops working.

OUR BEAUTIES

Roses, Carnations and Valley

and other stock is in full crop and we are particularly strong on **Tulips, Mignonette, Valley, Daffodils, Sweet Peas, and Cattleyas.** so let your orders come in liberally. We especially call your attention to our **NEW ROSES**, which we can supply more liberally than heretofore.

CURRENT EASTER PRICE LIST

Cut Easter Lilies, extra select, per 1000, \$100.00; 500 at 1000 rate.
" " extra select, per 100, \$12.50; per dozen, \$2.00.

AMERICAN BEAUTIES	Per Doz.	MY MARYLAND, select	12.00
Specials	\$6.00	Fancy	10.00
36-inch	5.00	Medium	8.00
30-inch	4.00	Good Short	\$4.00 to 6.00
24-inch	3.00	WHITE KILLARNEY, select	12.00
20-inch	2.00	Fancy	10.00
15-inch	1.50	Medium	8.00
12-inch	1.00	Good Short	6.00
Short stem	per 100 6.00		Per 100
PRINCE DE BULGARIE, specials	\$15.00	CARNATIONS, fancy	\$5.00
Antoine Rivoire or Mrs. Taft.		" firsts	4.00
Fancy	12.00	" common	3.00
Medium	\$10.00 to 12.00	ORCHIDS, Cattleyas, per doz.	\$ 4.00 to 6.00
Short	8.00	CALLAS, per doz., \$2.00	12.00 to 15.00
MELODY, long	\$15.00	JONQUILS	3.00
Medium	10.00	DAFFODILS	3.00
Short	8.00	TULIPS	\$3.00 to 4.00
PERLE, long	8.00	SPANISH IRIS	6.00 to 8.00
Medium	6.00	VALLEY	3.00 to 4.00
MRS. AARON WARD, specials	15.00	VIOLETS, double	.75
Fancy	12.00	VIOLETS, Single, Princess of Wales	.75 to 1.00
Medium	10.00	MIGNONETTE, large spikes	4.00
Short	8.00	SWEET PEAS	.75
RICHMOND, select	\$12.00	SWEET PEAS, Fancy	1.00
Fancy	10.00	ADIANUM CROWEANUM	1.00
Medium	8.00	SMILAX	per doz., \$2.50 to 3.00
Good Short	\$4.00 to 6.00	SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00
KILLARNEY, select	12.00	PLUMOSUS STRING	each .60
Fancy	10.00	FERNS	per 1000 3.00
Medium	8.00	GALAX	per 1000 1.25
Good Short	\$4.00 to 6.00	LEUCOTHOE	per 100 .75
		BOXWOOD	per bunch, 25; per case of 50 lbs. 7.50

Good Short Stem Roses, \$40.00 per 1000; 500 at the same rate.

No other house in this market has such large quantities of high grade stock to offer at such low prices as we have and no other house is so well equipped to take care of your order as we are. When you send us your orders your worry is over, we take care of them.

Peter Reinberg

30 East Randolph St., CHICAGO.

KILLARNEYS

Large Supply of White and Pink
So Let Your Orders Come.

EASTER PRICE LIST.

Send Your Orders Direct to the Grower and they Will be Taken Care of

AMERICAN BEAUTIES		Per doz.		
Extra long stems.....		\$5 00	Sunrise.....	{ Select .....\$8 00 to \$10 00
36 inch stems.....	4 00		Perle.....	{ Medium 5 00 to 6 00
30 inch stems.....	3 00		Roses, our selection.....	4 00
24 inch stems.....	2 50		Carnations	3 00 to 4 00
20 inch stems.....	2 00		Fancy	5 00
15 inch stems.....	1 50		Harrisii	12 50 to 15 00
12 inch stems.....	1 00		Valley	3 00 to 4 00
Richmond.....	} Extra select....	\$12 00	Violets	75 to 1 00
Killarney.....			} Select .....\$8 00 to 10 00	Sweet peas .....	75 to 1 00
White Killarney	} Medium 5 00 to 6 00	Tulips		3 00 to 4 00
My Maryland....			Jonquils	3 00
			Adiantum	1 00
			Asparagus, per bunch.....	50 to 75
			Ferns, per 1,000.....	2 50

2,000,000 Feet of Modern Glass.

Mention the American Florist when writing

Otto Wittbold, superintendent of the Geo. Wittbold Co.'s greenhouses at Edgebrook, says that the demand for plants for this Easter has been the best ever and that the sales have already exceeded those of last Christmas. The demand for rooted cuttings and bedding plants is also very good, especially for pansies and the improved Shasta daisies of which the supply is large. This firm will probably again have the first gladiolus of the season and some will be in bloom most likely for Easter. Of course there are the small flowering varieties, mostly Peach Blossoms and Ackermanni.

Henry Wittbold arranged a window for a large furniture house that has blocked the sidewalk with interested spectators. The firm uses an advertising phrase "feathering your nest" and the window is a farm yard scene with nests of all the feathered tribes with the birds including a hen and brood of chickens. It was well arranged with the running brook and apple tree in bloom and entailed a large amount of work.

Chas. W. McKellar is using the store on the second floor of the building next to and east of Peter Reinberg's this week, in addition to his old quarters, during the Easter business. Mr. McKellar's business has been increasing so lately that he is seriously considering the idea of moving

into the temporary quarters permanently.

Wietor Bros. are cutting a raft of stock of all kinds and particularly fine American Beauty, Killarney, White Killarney, Richmond, Mrs. Jardine and Uncle John roses and a large supply of carnations can be seen at this firm's store this week. A large number of orders for Easter have been booked and N. J. Wietor is more than pleased with the amount of stock that has already been sold.

John Kruchten is filling a large number of orders for lilies, both cut blooms and plants, but still has a large quantity left to offer. The stock in general is arriving in large quantities at this house and Mr. Kruchten says that all that is needed now are the orders.

The opening business at Weiland's new store in East Washington street was very good and fully up to the proprietor's expectations. The handsome conservatory that is now being erected in the court east of the building will be used for display purposes.

A. L. Vaughan & Co. are well pleased with the outlook for Easter and are well prepared for the rush with a fine line of all kinds of seasonable stock, especially lilies, roses and carnations.

The West Park commission have resolved to purchase property bounded by West Eighteenth, West Nineteenth,

U S Budlong's E Blue Ribbon Valley.

South Lincoln and South Wood streets for a small park.

George Reinberg is cutting a good supply of choice Richmond roses and Robert Northam, his storeman, says that they are of the usual Reinberg quality.

The Easter display at Lincoln Park which opened this week, included a large number of the different Rambler roses.

Kyle & Foerster's growers are in full crop with smilax and large quantities of this stock were sold the past week.

A. Miller, of A. Henderson & Co., expects to leave this week to visit his old home in Corsicana, Texas.

Zech & Mann filled some large orders for lilies this week and the blooms were exceptionally fine.

Fred Nelson of the George Wittbold Co. has been serving on a jury the past two weeks.

Large Crop of BEAUTIES

Large Crop of CARNATIONS

Large Crop of ROSES

Finest Stock in the Chicago Market. Bar None.

EASTER PRICE LIST

American Beauties

	Per Doz.		Per Doz.
60-inch stems	\$6 00	24-inch stems	\$2 50
48-inch stems	5 00	20-inch stems	2 00
36-inch stems	4 00	15-inch stems	1 50
30-inch stems	3 00	Short stems	1 00

Killarney

		Per 100
Extra special, 36-inch stems	.	\$12 00
Selects, 30 "	.	10 00
Fancy, 24 "	.	8 00
Medium, 20 "	.	6 00
Good,	.	5 00
Short stems,	.	4 00

Richmond

		Per 100
Extra specials, 36-inch stems	.	\$12 00
Selects, 30 "	.	10 00
Fancy, 24 "	.	8 00
Medium, 20 "	.	7 00
Good,	.	6 00
Short stems,	.	5 00

White Killarney

		Per 100
Extra specials, 36-inch stems	.	\$12 00
Selects, 30 "	.	10 00
Fancy, 24 "	.	8 00
Medium, 20 "	.	6 00
Good,	.	5 00
Short stems,	.	4 00

Jardine

		Per 100
Fancy, 24-inch stems	.	\$12 00
Good, 15 "	.	8 00
Short,	.	6 00

Uncle John

		Per 100
Fancy, 24-inch stems	.	\$8 00
Good, 18 "	.	6 00
Short,	.	4 00
Roses, our selection	.	4 00

Carnations

Red, extra special, per 100, \$5 00, Fancy, \$4 00; Good, \$3 00.
 Enchantress, extra special, per 100, \$5 00; Fancy, \$4 00; Good, \$3 00.
 Pink Lawson, Winsor, White [Perfection, White Enchantress, White Lawson, per 100, extra special, \$5 00; Fancy, \$4 00; Good, \$3 00.
 Ferns, per 1000, \$3 00. Smilax, per doz., \$1 50 to \$2 00. Adiantum, per 100, \$1 00 to \$1 50. Galax, per 1000, \$1 00. Sprenger, per bunch, 50c. Asparagus Sprays, per bunch, 50c. Lilies, \$12 50 to \$15 00 per 100.

We have the finest stock in Chicago in abundant supply. Large flowers on stiff stems well clothed with luxuriant foliage.

Wietor Brothers

TELEPHONE RANDOLPH 2081

162 North Wabash Ave., Chicago

JOHN KRUCHTEN

162 N. Wabash Ave., Phone Central 6269 CHICAGO

EASTER PRICE LIST—In effect April 1st.

Lilies

Roses

Carnations

All late orders will be well taken care of.

American Beauties	Per doz.
Extra long stems.....	\$5.00
36 inch stems.....	4.00
30 inch stems.....	3.00
24 inch stems.....	2.50
20 inch stems.....	2.00
15 inch stems.....	1.50
12 inch stems.....	1.00
Lilies	Per 100
Extra special stock.....	15.00
Fancy.....	12.50
Good.....	10.00
Gardenias, per doz.	\$3.00 to \$5.00
Roses	Per 100
Richmond.....	Extra Select...\$10.00 Select...\$6.00 to 8.00 Medium...\$4.00 to 5.00 Short.....\$3.00
Killarney.....	
White Killarney.....	
My Maryland.....	
Hilda.....	
Bride.....	
Bridesmaid.....	

Carnations	Per 100
Fancy.....	\$4.00
Good.....	3.00
Common.....	2.00
Valley.....	\$3.00 to 4.00
Violets, single.....	75c to 1.00
	Per 100
Sweet Peas.....	75c to 1.25
Tulips.....	3.00 to 4.00
Jonquills.....	3.00
Daffodils.....	3.00
Adiantum.....	75c to 1.00
Asparagus, bunch, 35c to 50c.	
“ Sprengerl, bunch, 25c to 50c.	
Bronze Galax, \$1.00 per 1000.	
Ferns, \$2.50 per 1,000.	
Boxwood, per bunch 25c.	
Pussy Willows, per bunch, 50c.	
Stocks, per bunch, 50c to 75c.	

The Cook County Florists' Association was organized on March 28 at the Union restaurant and the following officers were elected: A. C. Kohlbrand, president; George Weinhoeber, vice-president; A. T. Pyfer, secretary; John Zech, treasurer; Michael Fink, sergeant-at-arms, and Walter Scott, A. Henderson, N. P. Miller, A. T. Hey and W. J. Keimel, directors.

The E. F. Winterson Co. is busy disposing of a couple of carloads of choice plants, principally spireas, lilies, rambler roses, hydrangeas and azaleas. Mr. Winterson says that he has plenty of plants to go around and that he is prepared to fill all late orders. Edgar Winterson is busy with the builders' tools lately and his friends cannot help but admit that he is some carpenter.

James Psenicka, of the Northwestern Floral Co., says that everything is running smoothly at their greenhouses at Gross Point and that his firm will be in fine crop with carnations for Easter. The firm's entire output of choice stock is handled by Kyle & Foerster, where it always meets with ready sale.

H. Van Gelder, of Percy Jones, is offering his customers a fine line of seasonable stock and the fancy long stemmed sweet peas are still very noticeable. W. E. Trimble, who has space on the same floor as Mr. Van Gelder, is offering some very choice Killarney and White Killarney roses.

Peter Reinberg and W. F. Schofield made a brave fight for aldermanic honors this week, but the conditions were not right in their districts. The death of Mr. Schofield's father from heart failure, April 2, is attributed to the excitement of election day.

Anton Then who recently returned from Magnolia Springs, Ala., will leave again for that resort in May to receive further treatment and attend to some business affairs. Mr. Then has had a very successful Easter plant trade and is already sold out of lilies.

Stollery Bros. have a fine assortment of potted plants to offer their customers at their Wilson avenue store for Easter. This stock is all grown by Fred Stollery at the firm's greenhouses on Southport avenue.

The trade was greatly pleased to receive a visit from Mr. and Mrs. Jo-

seph Labo of Joliet on March 30. No doubt the genial couple's visits here will be more frequent now that they have a new auto.

Arthur Pasternick is again attending to his duties at the Bassett & Washburn store, having fully recovered from the injuries he sustained from falling off a sidewalk about a month ago.

Frank Johnson, the efficient sales manager of the A. L. Randall Co., says that the demand for supplies for Easter has been very good and trade in general satisfactory.

Frank Ayres, Chas. W. McKellar's store man, is still receiving the congratulations of his many friends for his sudden dip in the sea of wedded bliss.

Peter Olsem, superintendent of the Chicago Carnation Co.'s greenhouses at Joliet, will bowl in the state tournament now being held at Bensingers' Alleys, West Randolph street.

The J. B. Deamud Co. is receiving a large supply of all kinds of seasonable flowers, particularly fine home-grown violets and fancy sweet peas.

Sol. Garland says that the Des Plaines river is again on the rampage and that the beautiful little city has more water than it really cares for.

J. A. Budlong is still offering a fine grade of Blue Ribbon lily of the valley, as well as a large supply of carnations and other seasonable stock.

The next regular meeting of the Florists' Club will be held at the Union restaurant, 70 West Randolph street, (tonight), Thursday, April 4, at 8 p. m.

Geo. A. Kuhl, of Pekin, who is still at the Presbyterian hospital, reports that he is progressing as well as can be expected.

E. E. Pieser, the Peony King, has been somewhat under the weather the past week but is on the job as usual looking after the Easter business.

Jack Byers, the Chicago Carnation Co.'s baby doll, is now wearing a moustache.

Miss Edith Walker of Louisville, Ky., was a most welcome visitor here this week.

Geo. Mohn, of Vaughan's Seed Store, says it is a girl this time.

Roses,
Carnations,
Orchids, Gardenias,
Valley, Violets,
Daisies, Lilies,
Stocks, Snapdragon,
Greens.

At lowest market rates

Novelty Headquarters

Weiland & Risch

154 N. Wabash Ave.,
CHICAGO.

U S E Budlong's
Blue Ribbon Valley.

Chicago Bowling.

Individual and team scores for games played Wednesday, March 27:

Orchids.		Violets.	
Krauss ..143	185 125	Schl'ssm'n..178	127 167
Graff ..175	132 151	Bernler ..159	98 156
Huebner ..130	135 130	Goetsch ..145	166 137
Farley ..175	136 153	Krone ..148	146 149
Huebner ..142	160 157	Foerster ..150	176 185
Totals ..765	648 716	Totals ..780	713 794
Roses.		Carnations.	
Armstrong..113	98 100	Lorman ..161	171 141
Welch ..123	156 136	Ayres ..179	184 179
Stack ..173	180 114	Schultz ..146	141 157
Wolf ..160	167 154	Winterson..123	143 155
Fiseher ..163	192 175	A. Zech..160	166 150
Totals ..732	895 682	Totals ..769	805 782

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres
G. C. WEILAND, Sec'y.

LARGE SUPPLY

Roses,
Carnations
Lilies,
BULBOUS STOCK

Late Orders Will Be
Well Taken Care of.

EASTER PRICE LIST:

Grade	A	B	C	D	E	F	G
Beantics.....per dozen	\$ 6.00	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.50	2.00	.....
Killarneya.....per 100	12.00	10.00	8.00	6.00	5.00	4.00	.....
White Killarneys.....	12.00	10.00	8.00	6.00	5.00	4.00	.....
Richmonds.....	12.00	10.00	8.00	6.00	5.00	4.00	.....
My Maryland.....	12.00	10.00	8.00	6.00	5.00	4.00	.....
Perle.....	12.00	10.00	8.00	6.00	5.00	4.00	.....
Maids.....	12.00	10.00	8.00	6.00	5.00	4.00	.....
Brides.....	12.00	10.00	8.00	6.00	5.00	4.00	.....
Carnations.....	5.00	4.00	3.00	2.00	.....	.....	.....
Callas.....	15.00	12.50	.....	.....	.....	.....	.....
Easter Lilies.....	15.00	12.50	10.00	.....	.....	.....	.....
Orchids, Cattleyas.....	50.00	35.00	.....	.....	.....	.....	.....
Lily of the Valley.....	4.00	3.00	2.00	.....	.....	.....	.....
Violets, Princess of Wales.....	1.00	.75	.....	.....	.....	.....	.....
single and double.....	1.00	.75	.....	.....	.....	.....	.....
Sweet Peas.....	1.00	.75	.50	.....	.....	.....	.....
Mignonette.....	4.00	3.00	.....	.....	.....	.....	.....
Daffodils.....	4.00	3.00	.....	.....	.....	.....	.....
Tulips, Pink Novelty.....	4.00	.....	.....	.....	.....	.....	.....
assorted colors.....	4.00	3.00	2.00	.....	.....	.....	.....
Jonquilla.....	4.00	3.00	.....	.....	.....	.....	.....
Daisies.....	1.50	.....	.....	.....	.....	.....	.....
Asparagus Plumosus Sprays..	4.00	3.00	2.00	.....	.....	.....	.....
Asparagus Sprengerl Sprays..	4.00	3.00	2.00	.....	.....	.....	.....
Mexican Ivy, \$5.00 per 1000....	.60	.....	.....	.....	.....	.....	.....
Smilax.....	25.00	16.00	.....	.....	.....	.....	.....
Adiantums.....	1.00	.....	.....	.....	.....	.....	.....
Galax, Green or Bronze.....per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns.....	3.00	2.50	.....	.....	.....	.....	.....

Mention the American Florist when writing.

VISIT

WITTBOLD'S

New Display Rooms and Office - 56 East Randolph Street - CHICAGO, ILL.

where you will see the most complete line of Artificial and Natural

FERNS, PALMS, FLOWERS, GREENS

and all kinds of material for decorative purposes, such as weddings, fetes, (indoor or outdoor), formal affairs, etc. These include flags, bunting, scenery, vases, baskets, tents, canvas for screening porches, altars, unique centerpieces, and in fact, everything needed in the decorating line can be rented or bought outright at reasonable rates. Your patronage solicited. The trade should talk it over with us.

Telephones: Randolph 4708, Evanston 829, Rogers Park 227, Wilmette 658.

Nursery and Display Grounds, Central and Nanzic Streets, North Evanston.

Mention the American Florist when writing.

Boston.

FINE LILIES FOR EASTER.

Plans that have been and that are being laid for a busy Easter week, show signs of consummation. Everyone is looking forward to a busy week and we hope that all their hopes will be reasonably filled. There is talk of a scarcity of carnations. They are not so plentiful as they were a few weeks ago, but the last of the week will tell whether or not the cellars and stock-holes have not hidden some long enough for them to grow whiskers. Easter lilies as a rule are in splendid shape, well grown with large flowers and we have heard very little of disease this year. Roses are in good condition and the market has been some-

what slow but there is always a bad week before any floral holiday. Spring hats and clothes have so filled the feminine mind just now for Easter that flowers have been somewhat neglected. The grower of course expects to have his share and hopes to grind a few extra shekels from the increased sales and the hoped for increased prices to offset this annual spring show, and help pay for the extra coal burned this winter. Coal is one of the costliest items that confronts the grower. If growers would combine on coal orders cheaper coal could be obtained, for the company would certainly get extra tonnage. This question is a matter of serious consideration to us all, for on a business basis the larger the order the

greater the discount and the more the order is split into units, the more it costs the grower. We were fortunate this year to obtain coal in carload lots at times when the local dealers' bins were almost empty.

NOTES.

Welch Bros. are receiving some very well grown mignonette. It comes from New Jersey and for the last of March it is certainly good.

Wm. Marshall, foreman for W. R. Nicholson, Framingham, is laid up with the la grippe.

E. Wood of Lexington is showing some fine anemones with long stems and nice heads.

Salesman Manter in the Park street market is handling yellow primroses. MAC.

The Man Who is in a Rush

Often stumbles over something he is looking for, but fails to recognize it. Please refer to the two previous issues of this paper and examine our big Easter ads therein, and see if you don't find what you are looking for.

A. L. VAUGHAN & CO.

Telephones, Central 2571 and 2572.

161 N. Wabash Ave, Chicago

Philadelphia.

STOCK OF ALL KINDS PLENTIFUL.

The cut-flower market has been quiet the past week, there being no extra demand at any time, although Saturday's trade showed a little improvement. Everything is plentiful and accumulations were the rule. Quite a little business was done by the street men on Saturday, who, considering the low prices, should have cleaned up quite a tidy sum. The shipping trade is a great boon to the wholesale men who often find quite a demand out of the city when the trade in town is very quiet. Carnations have been held a trifle higher and but few found their way to the market on Monday morning, April 1. Various reasons were given, all but the real one, of holding for higher figures later in the week. Orchids are plentiful as are gardenias, the latter being very fine and low in price. Violets look as if they will be in fine condition for the Easter parade, being of good color and substance. Bulbous stock is plentiful and is now in competition with the southern outside daffodils, although the first shipments have not been very large. The Easter business looks as if it will average about up to that of other seasons. The department stores are all holding large sales and advertising lilies in pots at 12 to 15 cents per flower. Some of the flower stores are also marking their lilies at 15c per flower, which goes to show that there must be a surplus somewhere. The asking price of those growers with the best stock is 10 to 12 cents per flower and bud with a lower mark for the "shortys," and there are a great many of these undersized plants about. As a rule, however, the plants are well budded, many of them carrying six flowers and over. Cut lilies are quoted at from eight to fifteen cents, the latter for extra long stemmed selected blooms.

CLUB MEETING.

Owing to a violent thunder and wind storm which passed over the city on Tuesday evening, April 2, the attendance at the Florists' Club meeting was rather slim. The feature was the interesting and scientific paper on "Sods" which was very well received. In the discussion that followed several growers stated that roses grown for five years in the house in the same soil gave the best crop the last year, showing that the strength of the soil appeared to increase instead of diminish. How to help Miss Jarvis with her work in spreading the gospel of "Mothers' day" was discussed and it was thought that the trade should get together and assist Miss Jarvis in her work financially and so help her by contributing money to pay for stationery, stenographic and other clerical work that has become a burden. Each

year the correspondence is greater and as there is no revenue or money returns of any kind it has become quite a task and expense to continue the work. Let the trade tap their bank accounts a trifle and help the good cause along.

The Sign of the Rose lost their plate glass window when the scaffolding of the new Ritz Carlton hotel was blown down by the cyclone last Tuesday night. It is a serious loss coming at this busy time. Richard Heron at 18 Chestnut also lost a large show case which was carried half a block down the street and smashed to pieces. K.

NOTES.

The many friends and customers of John S. Hay, who represents Henry A. Dreer, Inc., will be glad to know that he is making satisfactory progress towards recovery. The nature of his operation was such as requires considerable time for complete recovery, but he is looking forward with pleasure to the time when he will again be making his regular calls upon the many customers of the firm he represents.

John A. Ruppert, one of the H. A. Dreer salesmen, who is well known to the retail trade of the Eastern states, has just finished his twenty-sixth year with the firm. Mr. Ruppert is well liked by his customers and is always sure of a welcome at all times. He says that they are doing a record-breaking business at the nurseries.

The S. S. Pennock-Meehan Co. report business as excellent and they expect to top last year's volume for the holiday and set a new mark for next season. Orchids, lily of the valley, violets and gardenias are a feature here.

One of the scarce things of the past week was sphagnum moss, the market for several days being entirely bare. Shipments are very light as yet, the swamps being too full of water to make profitable gathering.

M. J. Callahan of Fortieth and Market streets, has just added a Ford car to his delivery service, which will be of great service for his Easter business.

At the Leo Niessen Co. market they expect a great rush; they will be particularly strong on American Beauties, Easter lilies and carnations.

The Robert Craig Co. say they have had a great sale for their rose baskets; they certainly are a striking novelty. K.

Washington

AN IMMENSE STOCK.

March goes out like a lamb and indications point to continuation of fine weather, but, April's reputation for fickleness has passed into a proverb. If this week's weather, particularly the latter part of it, remains as fair as at present, a record-breaking business

U S E Budlong's Blue Ribbon Valley.

seems certain. Though we have at times indulged in criticism, it is a fact that in the aggregate there is a great stock and a great variety in sight ready for customers. There was a time a few weeks ago when it was feared that much stock would not be in flower in time for Easter, but these fears are now dispelled. There will be an immense stock and the hope is that it will be cleaned up. Rambler roses, hydrangeas, azaleas, lilies, hyacinths in pans, pots of daisies and various other stock are appearing in the retail stores and by the middle of the week all available space will be occupied. In addition to the stores the Centre Market dealers, several of whom are also large growers, have made extensive preparations to supply the Easter trade and will doubtless do a rushing business. This is one of the greatest markets in the whole country insofar as supplying the necessities of the table is concerned, and everybody patronizes it. Thus, it will be seen that while the people are there buying food it is very convenient to order a few plants or a bunch of flowers, the dealers having equal facilities for delivery with the stores.

NOTES.

Geo. H. Cooke has received a large stock of fine plants from the W. K. Harris range, Philadelphia. Mr. Cooke, having the desire to remind the customers of the needs of plants, has had printed several thousand cards and will attach one to every plant he sells. On the card is a picture of a pot of forget-me-nots with the sentence "Please give me a drink" in large type.

J. H. Small & Sons advises us that their stock of lilies is very fine and that they were never better prepared for Easter. A feature of their stores at present is fine specimens of Tausendschon roses.

Sunday, March 31, being an ideal spring day, many people visited the various greenhouses to see the stocks. The Gude Brothers Co. range at Anacostia was the mecca for many visitors.

Lewis Rankin, formerly with S. J. Reuter, Westerly, R. I., is now foreman of the J. R. Freeman range at Brightwood.

Mrs. Z. D. Blackstone has been quite ill with an attack of lagrippe, but we are pleased to learn that she is now improving.

"The Busiest House in Chicago."

If you are caught without stock and the train has not left Chicago, we are the people that can help you. See Last Week's Issue of The American Florist for Our Prices. Order Early.

J. B. DEAMUD CO.

Phones } Central 3155.
Auto. 44-389. 160 N. Wabash Ave., CHICAGO

A feature of nearly all the retail stores is the large pots of marguerites grown by E. W. Jenkins of Anacostia. They are full of flowers and are very attractive.

F. H. Kramer already has his conservatory filled up with lilies and will be on deck with a good variety of other stocks.

The Southern jonquils are now in, but for that matter they are blooming outdoors right here in Washington.

A. B. Garden says he never before had such a good stock of tulips for Easter. He also has many plants.

A. F. F.

Cincinnati.

SUFFICIENT SUPPLY.

As Easter approaches business has been growing better. A large call for green goods is preceding the demand for flowers and orders on file for the end of the week for these are most gratifying. Early reports show the wholesalers will have a supply sufficient for all requests. Carnations alone may run short because there are a very large amount of advance orders for this flower in particular. Lilies, including Giganteums, Harrissii and Formosum, as well as callas are abundant, the offerings too are mostly of a very high quality. Long American Beauties are now to be had in larger numbers and are very much better in quality than they have been for a time. Offering of other roses are good. The supply of sweet peas, lily of the valley and violets will be adequate. In smaller bulb stock the quality of the blooms as a whole, is excellent. Tulips and Dutch hyacinths, particularly the latter, deserve special mention.

NOTES.

The regular meetings of the Florists' Club will be held at the rooms in the Flower Market, April 8. The executive committee of the flower show will make their final report and ask to be discharged. At their final meeting at E. G. Gilletts' last Friday, Wm. Murphy was voted \$50 for his services as superintendent of the show.

C. E. Critchell was fortunate to get a good supply of wild smilax in storage before the warm weather set in. He is now in a position where he can easily and quickly fill all orders for this commodity.

The J. M. McCullough Son's cut flower department have made preparations for a large supply for Easter. The early part of the week they had a nice lot of spiraea.

T. Ben George is cutting some very fine Dutch hyacinths.



LARGE
SUPPLY
of

Orchids

FOR EASTER

Also plenty of all other
choice seasonable stock

CHAS. W. McKELLAR

162 N. Wabash Avenue,
CHICAGO.

Visitors: C. Dudley, Parkersburg, W. Va.; Miss White, Lexington, Ky.; Simon Hide, Hillsboro, H.

Pittsburg.

LILIES PLENTIFUL.

The continued dark weather has caused many to think that stock would be very scarce for Easter, but the warm, sun of the past few days should change this and bring in lots of stock. Lilies will be more plentiful than was anticipated.

NOTES.

The McCallum Co. announce they are moving into larger quarters at 139 and 141 Seventh street, where they will occupy the entire building. They have been rather crowded for room at their old location and the new place will give them the facilities they desire. The removal will take place right after Easter. John Scissely of this firm has the sympathy of his friends in the loss of his father March 28.

The show at Schenley park (this year is probably the best ever seen there. It will consist principally of lilies, rambler roses and cinerarias. It should be seen to be appreciated, both as to quantity and quality.

Mrs. E. A. Williams has been making some remarkable basket window displays.

ROSES

Killarneys, White Killarney
and Richmond.

\$3.00, \$4.00 \$6.00 \$8.00 \$10.00 per 100.

Red, White and Pink Carnations,

\$2.00, \$3.00 \$4.00 per 100.

Easter Lilies, \$12.50 per 100. Callas, \$12.50

Sweet Peas, 50c to \$1.00 per 100.

Bulbous Stock and Greens
of all kinds.

W. E. Trimble Greenhouse Co.

56 East Randolph St., CHICAGO.

Phone Randolph 3671.

U S Budlong's E Blue Ribbon Valley.

Randolph & McClements will have an exceptionally large cut of lilies for Easter. They are coming in just right.
J.

E. F. WINTERSON CO.

166 N. Wabash Ave.,
CHICAGO

Telegraph Orders for Plants and Cut Flowers Filled Immediately.

**Cut Flowers
FOR EASTER
LARGE SUPPLY OF ALL KINDS**

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS
163-165 N. WABASH AVE. CHICAGO
L. D. Phone Central 466

Massachusetts Agricultural College.

Florists' day held at the Massachusetts Agricultural College March 14 in connection with Farmers' Week was very successful. Not as many commercial men attended the exercises as it was hoped and expected, but the fact that Easter was so near and that the florists are exceedingly busy was responsible in a large measure for the small attendance.

The address by H. D. Haskins of the Massachusetts Experiment Station on fertilizers for glass house agriculture was very interesting and instructive. Mr. Haskins considered the relation of the fertilizer question for glass house crops as compared with outdoor crops and showed conclusively that in many cases the florists are overloading their soils with fertilizing elements so that the soil becomes charged with substances which the plant cannot assimilate. He spoke of the best fertilizers to use for securing sufficient nitrogen, potash and phosphoric acid in soils for carnations, roses, sweet peas, cucumbers and lettuce. Dr. H. H. Whetzel of Ithaca, N. Y., was obliged to cancel his engagement and Dr. J. K. Shaw of the Massachusetts Experiment Station spoke on the principles of plant breeding. In the evening Dr. H. T. Fernald gave a fine address on some recent investigations in fumigation methods. He spoke principally of the use of potassium cyanide and sodium cyanide in greenhouse fumigation.

The flower exhibit in French Hall was the finest ever held at the college and the institution is deeply indebted to the practical men for contributing the newer varieties of flowers so generously to this exhibition. Following is a list of the contributors and the varieties shown: S. J. Goddard, Framingham, Carnations Pink Delight, Gloriosa, White Wonder, Beacon; Westboro Conservatories, Westboro, vase of Alma Ward carnations; H. W. Field, Northampton, vases of new pink seedling, Pres. Seelye, Pink Delight, Winsor carnations; William Sim, Cliftondale, Princess of Wales violets, pansies, vases of sweet peas, Wallacea, Greenbrook, Mrs. Wm. Sim, Christmas Pink, Florence Denzer; George H. Sinclair, Holyoke, vase of Alma Ward carnations; E. A. Richards, Greenfield, vase of Lady Bountiful carnations; W. H. Elliott, Brighton, vases of Roses White Killarney, Pink Killarney, Rhea Reid, Mrs. Aaron Ward and Mrs. Waddell; Eber Holmes, Montrose, vases of Roses Richmond, White Killarney, Dark Pink Killarney and Perle des Jardins; A. N. Pierson, Inc., Cromwell, Conn., vases of Roses Pink Killarney, Radiance, Double White Killarney, Mrs. Taft (Antoine Rivoire) and Double Pink Killarney; Peter Fisher, Ellis, vase of Benora carnations; M. A. Patten & Co., Tewksbury Center, vase of Mrs. C. W. Barron carnations; Montgomery Rose Company, Hadley, vases of Roses Pink Killarney and Lady Hill-

ingdon; Waban Rose Conservatories, Natick, vase of Rose Madame Charles Russell; Mass. Agricultural College, vases of Winsor, White Enchantress, White Perfection, Rose Pink Enchantress, Enchantress and Beacon carnations; violets; vases of White Killarney, Pink Killarney and Richmond roses, miscellaneous collection of potted cinerarias, cyrtisus, palms and ferns.
E. A. WHITE.

Connecticut Horticultural Society.

The county building at Hartford presented an animated scene March 23, which was "Rose Night" with the Connecticut Horticultural Society. The center tables bore a brilliant display of potted plants and cut blooms, recognized by the judges, H. A. Pinney, George B. Baker and W. W. Hunt, in the following awards: Diploma to Alfred Cebelius, Hartford, for collection of rose blooms; certificates of merit to A. N. Pierson, Cromwell, for blooms of Killarney Queen and Double White Killarney roses; M. L. Lawson, Bristol, for vase of Mrs. Taft roses; diploma to Warren S. Mason, Farmington, for collection of rose blooms and rare plants, the latter including Tabernaemontana, Passiflora princeps, Allamanda Hendersonii and Lady Banksia rose; diploma to J. A. Weber, Hartford, for four dainty blooming plants of schizanthus.

The society has for many years given a dahlia exhibition in early September, and a chrysanthemum show in early November, being encouraged in this work by a state appropriation of about \$200, to reimburse it for premiums awarded. Under a new law the state fund is cut in two; and hence it was voted, at this meeting, to forego the chrysanthemum show this fall and to give the usual dahlia exhibition at Hartford September 19-20, two weeks later than usual. All seasonable flowers, as well as vegetables and fruits, will be represented, and the preliminary premium list, now being arranged, will represent a larger outlay for premiums than the society has hitherto appropriated from its own funds. Joseph Breck & Sons, of Boston, have offered a prize of \$10 for exhibits of asters. The idea of holding either fall show at New Britain has been abandoned.

Charles Roemer, an amateur gardener of Hartford, who has been twice in Alaska, gave an address on the flora and the fauna of that silent country. He described the plant life on the glaciers and in the valleys and along the coast. Brilliant colors are often seen, but fragrance almost never exists. July is the month for flowers. The Viburnum opulus, or high-bush cranberry, is common there. A grass similar to our red top is abundant in midsummer. Mr. Roemer received a hearty vote of thanks for his lecture, which embraced also the animal and fish life of that country.

U S Budlong's E Blue Ribbon Valley.

The society is the fortunate owner of two shares of stock in the Aetna Life Insurance Company; and voted to avail itself of the allotment to subscribe for two additional shares of the increased capital stock.

April 12 will be "Amaryllis Night" and an address by George H. Hollister, of Hartford, the foreman of Keney Park, on the "Chestnut Bark Disease" is expected.

GEORGE W. SMITH, Sec'y.

St. Paul, Minn.

A very enthusiastic meeting of the St. Paul florists was held at the store of O. R. Eckhardt & Co., 87 E. Fifth street, on Wednesday evening, March 27, President May in the chair. The executive committee reported a full list of committees for the flower show to be held at the Auditorium in November next; finance committee of seven members, O. R. Eckhardt, chairman; publicity committee of twelve members, with O. J. Olson chairman; show committee of thirteen members, Max Kaiser, chairman; decorative committee of eleven members, E. W. Reed, chairman.

The secretary reported the preliminary premium list in the hands of the printer, and that it would probably be mailed during the week. Several additions to the guarantee fund were reported, bringing the total up to nearly \$3,500. Fifty per cent of this guarantee fund is to be paid into the treasury by September 1, and all exhibitors are assured of being paid the full amount of premiums awarded to them.

It is the intention of the show committee to hold the show over Sunday, and have it in connection with the popular concert of the Symphony Orchestra. It is also the intention to enlist the support of the society leaders, and in this way make the show a grand success, both socially and financially. Louis Hill, president of the G. N. Railway Co., has signified his intention of growing a number of varieties for competition in the private gardeners' class.

As the St. Paul florists are now thoroughly organized the show will be pushed in a systematic manner, and we look for a very great success. Mr. Cassidy, representing the Foley Mfg. Co. was a visitor at the meeting and assured the society of the co-operation and assistance of his firm. Money for premiums, cups and other trophies have been donated by members of the trade in different parts of the country.

FELIX.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
 66 E. Randolph Street, Phone Central 1496. CHICAGO.
Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

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Percy Jones

56 E. Randolph St., CHICAGO

HOERBER BROS.

Wholesale Growers of Cut Flowers,
 Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
 Store, 162 N. Wabash Avenue CHICAGO

Baltimore.

FLOWERS OF GOOD QUALITY.

The Florists' Exchange, wholesale flower market, predicts a good Easter if the weather continues cool and bright as we are having it now, with no soft weather. Flowers are coming in in good shape. Lilies and lily of the valley are fine, as are roses and carnations also. Azaleas and spiræas are plentiful, violets are still holding their own, though a trifle smaller.

NOTES.

Jesse King gave the florists a very interesting talk on his recent trip through New England to see the new roses, Killarney Queen, Double White Killarney, Sunburst and Lady Hillingdon. It took six hours to look through A. N. Pierson's range of houses at Cromwell, Conn., and they were all in fine condition. He found White Killarney grown to perfection at J. A. Budlong & Sons Co.'s at Auburn, R. I., and considered it the prettiest rose seen during the trip. He also visited the Waban Conservatories at Natick, Mass., the home of Lady Hillingdon, and thought it a very promising yellow rose. Mr. King was surprised to find the principal portion of the help in the north to be Italians. The florists treated him with great cordiality and took much pleasure in showing him through their establishments.

This city boasts of its Lexington Market—and it was beautiful last week with flowers as well as vegetables. Some of the florists have stalls in the market where they dispose of potted plants and cut flowers and do a good business.

The men selling on the curb today had very good roses, violets and carnations and nearly all those returning from market had a bunch of flowers or a potted plant. We noticed very fine hyacinths and geraniums on some of the stands.

The retail stores have had quite a lot of funeral work this week and quite a demand for roses. B.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS WHOLESALE CUT FLOWERS
 A Specialty..... GROWER OF

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
 Telephone, Central 3284.

Wholesale Flower Markets

CHICAGO, April 3.		Per doz.
Roses, Beauty, specials.....		6 00
" " 36-in.....		5 00
" " 30-in.....		4 00
" " 24-in.....		3 00
" " 15-20-in.....	1 50@2 00	
" " 12-in.....		1 00
		Per 100
" " Short.....		6 00
" Killarney.....	4 00@12 00	
" White Killarney.....	00@12 00	
" Richmond.....	4 00@12 00	
" Prince de Bulgarie.....	8 00@15 00	
" Mrs. Aaron Ward.....	8 00@15 00	
" My Maryland.....	4 00@12 00	
" Perle.....	3 00@10 00	
" Melody.....	8 00@15 00	
" Bride.....	3 00@10 00	
" Bridemaid.....	4 00@12 00	
" Uncle John.....	4 00@8 00	
" Mrs. Jardine.....	4 00@12 00	
Carnations.....	3 00@5 00	
Cattelyas..... per doz.,	4 00@6 00	
Deodorum Formosum.....	5 00@6 00	
Daffodils.....	3 00	
Gardenias.....	3 00@5 00	
Lilium Harrisii..... per doz.,	1 00@12 50	
Mignonette.....	4 00	
Spanish Iris.....	6 00@8 00	
Sweet Peas.....	75@1 25	
Freessias.....	3 00	
Stocks, single..... per bunch,	50@1 00	
double.....	50@1 00	
Tulips.....	3 00@4 60	
Valley.....	3 00@4 00	
Jonquils.....	3 00	
Violets, Single.....	75@1 00	
Double.....	75@1 00	
Adiantum Croweanum.....	1 00	
Boxwood..... per bunch,	25	
Ferns..... per 1000,	2 50@3 00	
Galax bronze.....	1 00	
green.....	1 00	
Leucothoe.....	75	
Plumosa String..... each,	50@60	
Smilax..... per doz.,	1 50@2 00	
Sprengerl. Plumosa Sprays.....	3 00@4 00	

WORCESTER, MASS.—The Worcester County Horticultural Society observed its seventieth anniversary March 13 with a reunion and reception which was attended by 350. A dinner was served after which several addresses were delivered.

E. C. AMLING CO.

THE LARGEST,
 BEST EQUIPPED,
 MOST CENTRALLY LOCATED
 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.

68-70 E. RANDOLPH STREET,
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 Growers of

All telegraph and telephone orders given
 prompt attention.

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Mention the American Florist when writing

U S Budlong's E Blue Ribbon Valley.

Mention the American Florist when writing

Dagger Ferns, per 1000, \$2.00

Good, clean stock—no waste. The Best Ferns we ever handled. Special price in case lots.

500 Fancy Carnations, \$12.50

Our selection of colors, such varieties best suited for shipping. Big value.

THE LEO NIESSEN CO.,

Wholesale Florists,

12th and Race St., PHILADELPHIA, PA.

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock.

Also Asp. Plumosus Nanus Seed from my own plants. WRITE FOR PRICES.

W. H. ELLIOTT,

Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

Cleveland.

GOOD SUPPLY FOR EASTER.

The local market offers a splendid assortment of excellent quality stock for Easter week, of which the following are some of the leaders: In roses, American Beauty, Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Bride and Bridesmaid; in carnations, White, Enchantress, Rose Pink, Red and a few fancy novelties; in violets, good single and doubles; fine long-stemmed pansies; sweet peas in pink, white and lavender, long and medium stems; Easter lilies in pots and cut flowers; large and medium callas; daffodils, both single and double; tulips of all colors, both single and double; lily of the valley, special stock and medium; in novelties, mignonette, lupines, daisies, calendula, snapdragon, etc.; greens of all kinds are plentiful, consisting of adiantum, Asparagus Sprengeri and plumosus, smilax, Southern wild smilax, box-wood, fancy and dagger ferns of good quality. Orchids of good quality are to be had at moderate prices. The outlook for stock is good and with fine weather, this year promises to be a record-breaker. The weather here the latter part of the week was ideal and local wholesale houses are pretty well cleaned up of all salable stock. White roses and red carnations were in good demand, not near enough to fill orders were obtainable.

NOTES.

Frank Baur has opened a retail store on Twenty-fifth street near Broadview in connection with his greenhouses. As this is the only retail store south of the bridge it cannot help being a good business proposition.

Hammell Bros. have opened a retail store at 1730 East Fifty-fifth street near Payne avenue. This is an excellent location, and with their greenhouses behind them they are going to make a strong bid for east side business.

Brendell & Boyd is the name over the door of the new store on Lorain avenue of which Mr. Brendell has charge. The store is finished in white and mahogany.

Knoble Bros. report a large amount of funeral work the past week, two large blankets of violets, lily of the valley and adiantum being only a starter, considering the amount of other work during the same week.

The Wilson Florist Co., Woodruff road, arranged the greenhouses and entertained friends and patrons with a miniature flower show Sunday, March 31.

Geo. W. Mercer, 2991 West Twenty-fifth street, is beautifying the interior of his store. This is one of the prettiest and best arranged stores west of the river. C. F. B.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO., Wholesale Commission Florists, BUFFALO N. Y. Florists' Supplies and Wire Designs.

Mention the American Florist when writing

Wholesale Flower Markets

BUFFALO, April 3.		Per 100.
Roses, Beauty, special.....	30 00@50 00	
" " fancy.....	30 00@35 00	
" " extra.....	15 00@20 00	
" " No. 1.....	10 00@12 00	
" " No. 2.....	3 00@ 5 00	
Bon Silene.....	3 00@ 4 00	
Perle.....	5 00@ 8 00	
Maid and Bride.....	4 00@ 8 00	
Pink Killarney.....	5 00@10 00	
White Killarney.....	5 00@10 00	
Richmond.....	5 00@15 00	
My Maryland.....	5 00@ 8 00	
Carnations.....	3 50@ 5 00	
Callas.....	8 00@10 00	
Daffodils.....	2 50@ 3 00	
Daffodils, Single.....	2 00@ 3 00	
Lilium Longiflorum.....	10 00@12 50	
Lily of the Valley.....	3 00@ 4 00	
Mignonette.....	3 00@ 4 00	
Narcissus Paper White.....	2 00@ 3 00	
Romans.....	2 00@ 3 00	
Sweet Peas.....	75¢ 1 25	
Tulips, Yellow and White.....	2 00@ 3 00	
Violets.....	75¢ 1 00	
Adiantum Croweanum.....	75¢ 1 50	
Asparagus, per bunch.....	35¢ 50	
Asparagus Sprengeri.....	35¢ 50	
Myosotis.....	15c to 35c per bunch	

PITTSBURG, April 3.		Per 100.
Roses, Beauty, special.....	30 00@40 00	
" " extra.....	15 00@25 00	
" " No. 1.....	10 00	
" " Bride, Bridesmaid.....	2 00@ 6 00	
" " Chetenay.....	2 00@ 6 00	
" " Killarney.....	2 00@ 6 00	
" " My Maryland.....	2 00@ 6 00	
" " Richmond.....	2 00@ 6 00	
Carnations.....	1 50@ 2 00	
Callatylas.....	50 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	4 00	
Oncidiums.....	3 00@ 4 00	
Sweet Peas.....	25¢ 40	
Violets, single.....	25	
" " double.....	50	
Adiantum.....	1 00	
Asparagus Sprengeri, per bunch, sprays.....	35 per bunch, 35	

WHITE and LAVENDER LILAC and BEAUTIES

We are handling quantities at very reasonable prices. Also a full line of all other flowers, including Freesia, Mignonette, Fancies, Lupins, Daffodils, Double Pink Killarneys and Hilda Roses.

McCALLUM CO., Pittsburg Cleveland

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA

Mention the American Florist when writing

PHILADELPHIA, April 3.		Per 100
Roses, Beauty, extra.....	35 00@40 00	
" " first.....	10 00@20 00	
" " Brides and Maids.....	4 00@10 00	
" " Killarney.....	4 00@15 00	
" " White Killarney.....	4 00@15 00	
" " Liberty.....	4 00@15 00	
Callas.....	12 00@16 00	
Callatylas.....	35 00@50 00	
Daffodils.....	2 00@ 3 00	
Gardenias..... per doz.,	2 00@3 00	
Lilium Harrisi.....	10 00@15 00	
Lily of the Valley.....	3 00@ 5 00	
Marguerites.....	75¢ 1 50	
Mignonette.....	3 0 2 4 00	
Narcissus Paper White.....	1 50@ 2 50	
Snapdragons.....	8 00@12 00	
Sweet Peas.....	50¢ 1 00	
Tulips.....	2 00@ 3 00	
Violets, single.....	75¢ 1 00	
" " double.....	75¢ 1 00	
Adiantum.....	1 00@ 1 50	
Asparagus..... per bunch,	50	
Smilax.....	15 00@20 00	

BOSTON, April 3.		Per 100
Roses, Beauty, best.....	25 00@50 00	
" " medium.....	15 00@20 00	
" " culls.....	2 00@ 4 00	
" " Bride, Bridesmaid.....	2 00@ 6 00	
" " Killarney and Richmond, Extra.....	6 00@12 00	
" " My Maryland.....	4 00@16 00	
" " Carnol.....	6 00@12 00	
Carnations, select.....	1 00@ 3 00	
Callas.....	8 00@12 00	
Callatylas.....	35 00@50 00	
Gardenias.....	20 00@25 00	
Lilium Longiflorum.....	8 00@12 00	
Lily of the Valley.....	2 00@ 4 00	
Narcissus, yellow.....	1 00@ 3 00	
" " white.....	1 00@ 3 00	
Sweet Peas.....	25¢ 50	
Smilax.....	12 00@16 00	

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

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J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

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Special attention given to Shipplag Orders
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SEEDS and BULBS.
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waukee St., Milwaukee, Wis.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS
1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.
Supplies and Everything in Season always on hand

Fresh Cut Valley

AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.
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Lickrun, Cincinnati, Ohio
Wholesale Growers of
EASTER LILIES, Ferns and
Decorative Greens
Write for prices
Telephone West 562.

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Wholesale Florist
Chrysanthemum Novelties my specialty.

RED BANK, N. J.—The schedule of premiums for the Red Bank fair to be held August 28-September 4 has been prepared and includes prizes for plants and cut flowers. The judges of the gardeners' exhibits are W. H. Duckham, Madison, N. J.; Arthur Herrington, New York; and Peter Duff, Orange, N. J., and for the amateur exhibits Nicholas Butterbach, Oceanic, N. J.



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Palms, Ferns
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO.,
Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, April 3.

Roses, Beauty..per doz.,	1 00@ 5 00
" Killarney.....	4 00@12 00
" Richmond.....	4 00@12 00
" White Killarney.....	4 00@12 00
Carnations.....	2 00@ 5 00
Lilium Giganteum.....	6 00@15 00
Lily of the Valley.....	3 00
Paper Whites.....	3 00
Violets.....	75@ 1 00
Sweet Peas.....	50@ 1 50
Adiantum.....	50@ 1 50
Asparagus.....per string,	50
" Sprengeri, per bunch,	35@ 50
Ferns, Fancy.....per 1000,	2 50
Galax, green.....per 1000,	1 50
bronze.....per 1000,	1 50
Boxwood .. per bunch.....	25
Tulips, Single.....	3 00
" Double.....	4 00
Daffodils.....	3 00
Poeticus.....	2 00

CINCINNATI, April 3.

Roses, Beauty.....per doz.,	50@ 5 00
" Bride, Bridesmaid.....	3 30@10 00
" Killarney.....	3 50@10 00
" My Maryland.....	3 00@11 00
" Perle.....	3 00@ 8 00
" Richmond.....	4 00@12 00
Carnations.....	3 00@ 4 00
Freesias.....	2 00
Lilium Giganteum.....	12 50@15 00
Lily of the Valley.....	3 00@ 4 00
Narcissus.....	2 00
Jonquils.....	3 00@ 4 01
Sweet Peas.....	35@ 4 01
Violets, double.....	50
single.....	75
Adiantum.....	1 00
Asparagus Plumosus.....per bunch,	35
Asparagus Sprengeri.....per bunch,	35
Tulips.....	3 00
Romans.....	3 00@ 4 00
Dutch Hyacinths.....	5 00@ 6 00

ST. LOUIS, April 3.

Roses, Beauty, medium stems.....	25 00@30 00
short stems.....	2 00@ 4 00
" Bride, Bridesmaid.....	3 00@ 4 00
" Killarney.....	4 00@ 8 00
" My Maryland.....	3 00@10 00
" White Killarney.....	4 00@ 8 00
Carnations.....	2 00@ 3 00
Callas.....	10 00@12 50
Easter Lilies.....	10 00
Valley.....	3 00@ 4 00
Asparagus Sprengeri.....	2 00@ 3 00
Violets, Single.....	35@ 50
Peas.....	40@ 60

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Everything in Cut Flowers, Greens,
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New York.

BETTER BUSINESS.

Conditions are much brighter and cheerful in the wholesale cut flower market than they were a week ago. The volume of business done has been much larger. American Beauties and the higher grades of other varieties of roses move slowly and it seems difficult to get the prices up to what they should be. Ulrich Brunner of very fine quality are now arriving in quantity and this tends to keep the prices on American Beauty and Richmond down. Top grades of Radiance, Lady Hillingdon, Mme. Chatenay, Prince de Bulgarie are not so plentiful and naturally the prices on these are better, but supply of the best Killarneys Brides and Bridesmaids far exceeds the demand. The No. 1 and No. 2 grades of these varieties clear out nicely. The prices on carnations are somewhat better, that is for the best quality, but there are still large shipments of inferior blooms in the market that have to be disposed of at very low figures. The condition in the orchid market remains unchanged. Prices on all varieties having a downward tendency. Violets for a change are doing much better caused by the great supply falling off considerably. Bulbous stock of all kinds is a glut, and in many cases have been disposed of by the box just as received. Gardenias are again in over supply and even the best of these are moved with difficulty. Lilies moving slowly and the same is the case with callas. No change either in the supply or call for adiantum, smilax or asparagus. Sweet peas are as a general rule of poor quality. The shipments of lilac, mignonette, wall flowers and daisies are much lighter than they have been. The outlook at present is that there will be an over supply of cut lilies and violets for Easter. The weather at present is ideal and if it continues so during the week, the volume of business done will be tremendous. The plant growers all seem satisfied with sales made and the dealers in cut flowers look for a very large business, and from present appearances there will be no shortage in any particular line.

NOTES.

Jonathan Nash, of Moore, Hentz & Nash, while driving into Central park at West Seventy-second street, accompanied by his wife, was run into by an automobile and both thrown out on the parkway on the afternoon of March 17, Mrs. Nash sustaining a bad fracture of the nose and was otherwise severely bruised. Mrs. Nash was taken into a residence and cared for and later removed to her home. The horse ran away but was caught after a run of three blocks uninjured. The driver of the automobile kindly offered any assistance to Mr. Nash and carried him in his auto to where his horse had been taken when captured. Mr. Nash only suffered a severe shaking up.

Robert M. Schultz made his first visit to the wholesale market on Thursday. The doctor has ordered Mr. Schultz to abandon work in the greenhouses on account of the dampness, and consequently he will have to lease or otherwise dispose of his greenhouse plant. Mr. Schultz appreciated very much the kindness shown him by his fellow members in the New York Florists' Club. John Donaldson, John Meisam and E. Dorval spent one day with him during the week.

There have been a great many visitors at Louis Dupuy's greenhouses, Whitestone, L. I., to see his novelties in Easter plants. Just at present his new hydrangeas are the centre of attraction. Among the many visitors to this place on Saturday were William

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Carnations, Single Violets, Pansies, Valley, Orchids, Gardenias, Sweet Peas, Snapdragons, and all Seasonable Flowers.

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Duckham and Charles H. Totty. All these new hydrangeas grown by Mr. Dupuy will be distributed by Charles H. Totty.

P. S. Randolph and Samuel McClements of Pittsburg, were recent visitors to the large plant growers' establishments and seemed surprised that nearly all the growers had orders for most of their best stock which means that the prospects for a large Easter trade are very bright, at least where lilies and flowering plants are concerned.

The Beachwood Heights Nurseries are receiving large consignments of the very best gardenias and orchids from their greenhouses in Bound Brook, N. J. It is reported that there will be a very large addition made to their greenhouse plant the coming summer.

There is no question but what the presence of the ladies has much to do with the success of the banquets of the Florists' Club. At one banquet devoted to men only the number attending fell as low as fifty, now the attendance is over two hundred. "More power to the Ladies!"

The next meeting of the Florists' Club will be on April 8, but as it will be the day after Easter Sunday, it is doubtful if there will be a very large exhibit of spring plants, but there should be a very creditable display of novelties in cut flowers.

V. Zuber & Sons are sending to Henshaw & Fenrich heavy shipments of Ulrich Brunner roses which are of the very best quality, but owing to the great number of American Beauty in market the prices are not as high as in former seasons.

John A. Payne, of the Foley Mfg. Co., reports orders received from W. H. Tracey, Waverly, N. Y., one house 42x70; four houses 34x125 for Ander Wifner, Middletown, N. Y.; one house 22x100 for John DeBuck, Homestead, N. J.

The stock of the new carnation Salmon Beauty, which is attracting so

much attention at Traendly & Schenck's will be disseminated by that firm—it is being grown by F. Abrams, Blue Point, Long Island.

Theo. Lang has taken the large store at 1211 Broadway for an Easter branch where he is carrying a full line of Easter stock of the very best quality.

Wertheimer Bros. state that the demand was so large for many items before Easter that they were completely sold out, but stocks have been rapidly replenished.

John J. Foley, the wholesale florist of 53 West Twenty-eighth street, has made his reappearance in the market after being confined to his home several weeks suffering with gastritis.

E. V. Cole now conducts the flower store in the Pennsylvania Terminal which was formerly in the name of Fleischman.

E. W. Fengar of Newark, N. J., is sending a fine line of iris, the first of the season, to Henshaw & Fenrich.

A young florist arrived at the home of Charles Scherck, April 3. Mother and boy are doing finely.

Visitors: J. Otto Thilow; W. P. Craig, John W. McIntyre, Philadelphia, Pa.; Peter Crowe, Utica; John N. Champion, New Haven, Conn. Y.

New York Florists' Club.

At the next meeting of the New York Florists' Club, which will be held Monday night, April 8, 1912, there will be an opportunity to exhibit sweet peas and spring-flowering bulbs. It is hoped that all that can make an exhibit will do so. Anyone not in a position to accompany the exhibit may send same to the exhibition committee, care of Traendly & Schenck, 131 West Twenty-eighth street, New York City, to arrive there before 5 o'clock p. m. Monday, when the exhibition committee will see that it is properly staged.

I. S. HENDRICKSON, Chairman.

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Wholesale Flower Markets

	NEW YORK, April 3.	Per 100
Roses, Beauty, special.....	15 00@25 00	
" " extra and fancy.....	10 00@15 00	
" " No. 1 and No. 2.....	2 00@ 8 00	
" " Bride, Bridesmaid, special. 4 00@ 6 00		
" " extra and fancy.....	2 00@ 4 00	
" " No. 1 and No. 2.....	1 00@ 2 00	
" " Killarney, My Maryland..	6 00@ 8 00	
" " extra and fancy. 3 00@ 4 00		
" " No. 1 and No. 2. 1 00@ 2 00		
" " Richmond.....	1 00@ 3 00	
" " Carratona.....	1 00@ 4 00	
" " Caitloya.....	20 00@40 00	
" " D. Formosum.....	15 00@25 00	
" " Praecia.....	1 00@ 1 25	
" " Gardenias.....	10 00@40 00	
" " Lilias, Longiform and Harriall..	4 00@ 8 00	
" " Lily of the Valley.....	2 00@ 4 00	
" " Oncidium.....	5 00@10 00	
" " Sweet Peas.. per doz, bunches,	1 00@1 25	
" " Violets.....	10@ 30	
" " Adiantum Crowsanum.....	75@ 1 00	

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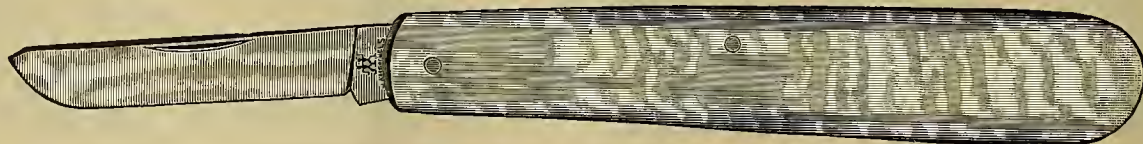
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Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employes) and we will send them the paper for one year after receipt of subscriptions.

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The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

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We Are Now Making Shipments of Southern Wild Smilax Caldwell the Woodsman Co.

Everything in Southern Evergreens.

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Fredericton, N. B.

The winter seems to be breaking up and rain and slush are the order of the day. It is now three weeks to Easter and the stock never looked better, especially carnations, which are the largest and finest ever produced in this section. Lilies we have been cutting since February and they have been fine for funeral work. We always consider March one of our busiest months for the local government is in session and will continue until Easter.

NOTES.

The examination for gardeners for the park which appeared in the AMERICAN FLORIST issue of March 9 is a pretty stiff and complicated proposition, even for old gardeners who have been at it all their lives and we find we have much to learn. Our experiences with employes is that there is more danger with the one who claims to know it all. The one who does not know is always asking for guidance, but the other is indignant if told when it is thought he is wrong.

J. J. Bebbington & Son have the decorations for the reception of the Governor and Lady. J. B.

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Amerpholii.....	6.00	12.50	20.00	35.00	60.00	85.00	125.00
Pieronii.....				35.00			
Superbissima.....				35.00	75.00	100.00	
Plumosus.....	3.50	8.00	15.00	25.00	50.00		
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New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$2.50
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FROM NEW YORK EXCEPT AS NOTED.

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Victoria Luise, Ham.-Amer., 10 a. m., Hoboken Pier.

Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.

April 10.

Caronia, Cunard, Piers 54 and 56, North River.

Laura, Austro.-Amer., 1 p. m., Bush Dock, Brooklyn.

April 11.

Baltic, White Star, 12 noon, Piers 59 and 60, North River.

La Provence, French, 10 a. m., Pier 57, North River.

Amerika, Ham.-Amer., 2 p. m., Hoboken Pier.

Prinz Friedrich Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM BOSTON, Scandinavian, Allan, Charlestown Dock.

FROM BALTIMORE, Brandenburg, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

April 12.

Germania, Fabre, 3 p. m., Brooklyn Dock.

FROM PHILADELPHIA, Menominee, Red Star, 10 a. m., Pier 55.

April 13.

St. Louis, Amer., 9:30 a. m., Pier 62, North River.

Olympic, White Star, 3 p. m., Piers 59 and 60, North River.

Vaderland, Red Star, 10 a. m., Pier 61, North River.

Columbia, Anchor, 2 p. m., Pier 64, North River.

Niagara, French, Pier 57, North River.

Pennsylvania, Ham.-Amer., 3 p. m., Hoboken Pier.

Berlin, No. Ger. Lloyd, 11 a. m., Hoboken Pier.

Calabria, Anchor, Pier 64, North River.

FROM PORTLAND, Ascania, Cunard.

FROM PORTLAND, Megantic, White Star-Dom., 10 a. m.

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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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J. A. VALENTINE, President.
Members Florists' Telegraph Delivery.
Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Members of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET.

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Bolnd, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Canger & Gormley, Chicago.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cook, Geo. H., Conn. Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hehl & Son, J. G., Terre Haute, Ind.
Hees & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Joy Floral Co., Nashville, Tenn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 25 E. Madison St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, The Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., 737 Buckingham Pl., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, **DARDSFLOR.**

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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WILLIAM L. ROCK Flower Co.

Will execute orders for any
town in

Missouri, Kansas or Oklahoma
Members Florists' Telegraph Delivery.

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W. J. Palmer & Son, 304 Main Street.

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Mention the American Florist when writing

Terre Haute, Ind.

John G. Hehl & Son, 129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

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JACOB SCHULZ,

Members Florists' Telegraph Delivery.
550 So. Fourth Avenue.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M. A. Bowe

IN THE HEART OF NEW YORK CITY.

Phone 6404 Madison Sq. 12 West 33d St
Our Motto—THE GOLDEN RULE

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

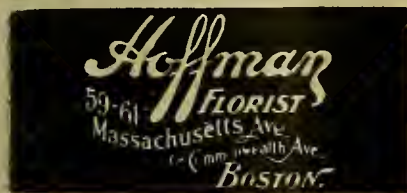
Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

City Index to Retail Florists Filling Telegraph Orders.

Alhany, N. Y.—Eyles, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Maas. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyu, N. Y.—S. Masur.
Brooklyu, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Witthold Co., 737 Buckingham Pl.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.

Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
Little Rock, Ark.—Vestals, 409 Main St.
London, Eng.—Wills & Segar.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.

Newark, Ohio—Chaa. A. Duerr.
Nashville, Tenn.—Geny Bros.
Nashville, Tenn.—Joy Floral Co.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charlea Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.

Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Louis, Mo.—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Hehl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 69 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sta.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones:
1552-1553 Columbus Choice Cut Flower's

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out
of-town florists Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: ; FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best
Dunlop's
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of **GRAND RAPIDS**

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan.

GREAT BRITAIN**WILLS & SEGAR,**

Royal Exotic Nursery,

Onslow Crescent. S. Kensington, London

FLORISTS TO HIS MAJESTY THE KING.

We shall be glad to carry out commissions from our American confreres to deliver
Cut Flowers, Floral Baskets, Floral Designs,
Baskets of Choice Fruit, Etc.,
to American visitors in any part of Great Britain.

Cablegrams — "FLOSCULO, LONDON."

Send your orders for Chicago and Suburbs to

222-2223 W. Madison St.
CHICAGO.All orders carefully filled
under the supervision of**GEORGE ASMUS, Mgr.**

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery,

Mention the American Florist when writing.

Rochester, N. Y.**J. B. KELLER SONS,
FLORISTS****25 Clinton Avenue, N.**Rochester Phone 508. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing.

Newark, Ohio.**CHAS. A. DUERR,
The Arcade Florist,**Greenhouses
Graoiville O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing.

Little Rock, Ark.**VESTALS****PAUL M. PALEZ, Mgr.****409 MAIN STREET.**All orders carefully filled and delivered to all parts
of the city, Arkansas and the Southwest.

Mention the American Florist when writing.

Seattle, Wash.**L. W. McCOY, Florist**
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for
Alaska, Washington and Oregon.

Mention the American Florist when writing.

Omaha, Neb.**Hess & Swoboda
FLORISTS,****1415 Farnum St.**TELEPHONES
1501 and L 1582

Mention the American Florist when writing.

St. Louis.

LARGE QUANTITIES OF STOCK.

Cloudy and rainy weather the past week has hurt transient trade, but it cleared up Saturday and Sunday. The stores are now all decked out in Easter attire of blooming plants. Stock continues to arrive in large quantities, but on Saturday everything cleaned up. Violets are getting smaller and sweet peas are favorites. It is to be hoped the growers will not hold stock back as the result has invariably been a loss to the grower. Southern jonquils are on the market and with warm weather there will be quite a quantity of this stock which affects the sale of the home product.

NOTES.

Wm. Smith of the W. C. Smith Wholesale Floral Co. has a new machine. Will is known as a fast flyer and St. Louis county growers will do well to keep their rigs out of his path. The grading and excavating for the new greenhouse at Shaw's Garden will start April 1. The main section will be 300 feet long, 20 feet wide and 60 feet high.

Vincent Gorly of the firm of Grimm & Gorly returned from Chicago and reported an abundance of Easter stock in endless varieties.

C. Young & Sons decorated the Boyds Gents' Furnishing Emporium opening last week. They have a large supply of lilies for Easter.

Joseph Scheidegger is bringing in a fine lot of long-stemmed sweet peas that find ready sale, having two houses devoted to them.

Dominic Bova is making a special display of metal and other artificial designs. He carries a large stock of cut flowers.

Andrew Meyer, Jr., now has the floral establishment formerly run by his father and is doing a nice business.

The Paris Floral Co. had a special sale of sweet peas Saturday of last week.

F. H. Weber is making a very fine display of Easter plants and novelties.

Wm. Schray has a fine display of Easter plants at the Union market.

Chas. Freshman is building up quite a trade at the Planters Hotel.

Arbor day will be celebrated by the public schools April 5.

W. F.

BUFFALO, N. Y.—W. J. Palmer has entered mandamus proceedings against the State Department of Agriculture for \$1,031.28, the value of 2,260 azaleas and rhododendrons which the department destroyed, the authorities claiming the plants were infested with gypsy moth.

MUSCATINE, IA.—Arthur Kleist, a well known island farmer, residing five miles below the city, suffered a fire loss that will probably amount to nearly \$500 when his hot house, ice house, tool shed and several out buildings burned completely to the ground.

Louisville, Ky.**F. Walker & Co.,
FLORISTS.**

Phones: Home 1338, Camb. Main 1388 A.

..... 634 Fourth Avenue.

New York:**CHARLES HABERMANN
2668 Broadway.**

Situating in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

Mention the American Florist when writing.

St. Louis, Mo.

The Most Central Location in City.

**F. H. WEBER,
Boyle and Maryland Aves.**

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS**1406 Olive Street,**Regular discount allowed on all orders, either
Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

Poughkeepsie, N. Y.**"The Saltford Flower Shop"**

Vassar College and Bennett School.

Nashville, Tenn.**Geny Bros. LEADING
FLORISTS.**

212 Fifth Ave. No. NASHVILLE, TENN.

New York.**MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.****Rockford, Ill.****H. W. Buckbee
Colorado Springs, Colo.****FRANK F. CRUMP,**

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing.

Boddingtons Quality Cannas.

Are true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick. The Canna crop this year, however, is very short, and we advise placing orders early to secure stock. Delivery can be made at purchaser's option.

Red-flowering, Green Foliage Cannas

	Per 100	Per 1,000
A. Bouvier, 5 ft.....	1.75	15.00
Alice Roosevelt, 4 ft.....	3.75	35.00
Black Prince, 3 to 4 ft.....	2.75	25.00
Charles Henderson, 4 ft.....	2.00	17.50
Duke of Marlboro, 4½ ft.....	2.00	17.50
Explorateur Crampbell, 5½ ft....	2.00	17.50
President Cleveland, 3 ft.....	2.25	20.00
President McKinley, 2½ to 3 ft....	2.25	17.50
President Meyer, 4 ft.....	3.50	30.00

Pink-flowering Cannas

	Per 100	Per 1,000
L. Patry, 4½ ft.....	\$2.25	\$17.50
Louise, 5 ft.....	2.25	17.50
Mlle. Berat, 4½ ft.....	1.75	15.00
Venus, 3½ ft.....	4.25	40.00

White and Cream Shades

	Per 100	Per 1,000
Alsace, 3½ ft.....	\$.175	\$15.00

Orchid-flowering Cannas

	Per 100	Per 1,000
Allemannia, 4 to 5 ft.....	\$.175	\$15.00
Austria, 5 ft.....	1.75	15.00
Indiana, 3 to 4 ft.....	2.00	17.50
Italia, 4½ ft.....	1.75	15.00
Philadelphia, 5 ft.....	2.75	25.00

Orange Shades

	Per 100	Per 1,000
Wyoming, 7 ft.....	\$2.25	\$20.00
Pennsylvania, 5 ft.....	1.75	15.00

Red, Gold-edged; Spotted and Yellow Cannas

	Per 100	Per 1,000
Duke of York, 4 to 5 ft.....	\$5.50	
Evolution	2.75	\$25.00
Gladiator, 4 ft.....	2.75	25.00
Golden King, 5 ft.....	2.75	25.00
Jean Tissot, 5 ft.....	2.25	20.00
Niagara, 3 ft.....	2.75	25.00
Mad. Crozy, 5½ ft.....	2.75	25.00
Queen Charlotte, 3½ ft.....	3.75	35.00
Premier, 2½ ft.....	3.75	35.00
Souv. de A. Crozy, 4 ft.....	2.75	25.00

Yellow Shades

	Per 100	Per 1,000
Florence Vaughan, 5 ft.....	2.25	20.00
Richard Wallace, 4½ ft.....	2.75	25.00

Bronze-leaved, Red-flowering Cannas

	Per 100	Per 1,000
King Humbert, 4 ft.....	4.00	
Leonard Vaughan, 4½ ft.....	2.75	25.00
Musafolia, 3 to 5 ft.....	2.25	20.00
Robusta, 6 to 8 ft.....	2.00	17.50
Shenandoah, 6 ft.....	2.00	17.50

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business.

Our Cannas are true to name—two and three, sometimes four eyes—are sound, dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at a thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Write for special prices for quantities.

If any Cannas are not found here, it may be understood that they are superseded by the ongoing. If selection is left to us, we will substitute or send only the best for all purposes.

All the Above Cannas Sold F. O. B. New York or Chicago.

Chicago and Western Agents for Our Cannas, ONLY:

WINTERSON'S SEED STORE, 166 North Wabash Ave., Chicago.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street, NEW YORK CITY.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

THERE is an advance of over 10 per cent on ocean freight rates on French bulbs.

LILY of the valley pips to the value of \$173,240, were imported into the United States from Hamburg in 1911, against \$95,959, in 1910 and \$74,729, in 1909.

RICHMOND, VA.—T. W. Wood & Sons state that the business during January and February was behind last year but during March was very heavy and more than made up any deficiencies.

MINNEAPOLIS, MINN.—The business for 1912 compares favorably with that of 1911, states Northrup, King & Co. While some departments have fallen a little behind, attributed to the extreme cold weather of March, yet since the weather has moderated business has made a rapid gain.

LOUISVILLE, KY.—Wood, Stubbs & Co. report that the weather has been extremely bad and no planting has been done. But the business shows an increase for every month this year. Wheat is badly injured, especially late sown wheat. The demand for all kinds of seed has been very heavy and the number of orders is 40 per cent above that of last year. Even with the high prices of seed the sales have increased in larger proportion.

LAWRENCE, KANS.—We have had the longest winter and the most snow ever experienced, writes the Barteldes Seed Co., and the trade has been backward but the mail orders have been ahead of last year all season. The trade on grass seeds, especially clover and timothy, has been backward, due, we think, partly to weather conditions and partly to the high prices. The trade on onion sets has been good and prices are advancing, which is quite the contrary of last season. Alfalfa seed has been moving well and high grades are about all gone. Cane and millet have been selling well and there has been a brisk demand for seed potatoes. The demand for seed corn has been unusual and much corn does not germinate. Farmers are looking for corn that has been tested.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

CHICAGO.—Prices on the Board of Trade, April 3, for grass seed were noted as follows: Timothy, \$10 to \$14.50 per 100 pounds.

SEED POTATOES made another sharp advance, Michigan and Wisconsin pits showing much decay, due to frost, on opening this week. Good stock is now quoted at \$1.85.

OMAHA, NEB.—J. B. Stewart writes that the business of January and February compares favorably with last year, but March has fallen off 50 per cent owing to the weather conditions. The outlook however is good.

ROCHESTER, N. Y.—The Crosman Bros. Co. has been incorporated with a capital stock of \$200,000 to deal in seeds, bulbs and garden requisites. The incorporators are C. W. Crosman, G. F. Crosman and D. T. Crosman.

PRESIDENT LEONARD H. VAUGHAN of the American Seed Trade Association contracted scarlet fever this week and is confined to his home. This is usually a very dangerous disease in adult cases and the period of danger much protracted.

A Sigh of Spring.

Cheerless and barren are the prairies. The streets are slushy; the lawns are covered with snow; not even a snowdrop or a crocus lifts its head in the hardy border; there are no buds on the trees or shrubs. But spring is surely coming; the visible evidence of the fact is in countless homes.

Behold the postman, as he bends under the weight of a sackful of envelopes marked "U. S. Department of Agriculture, Seed Distribution, Free." Each envelope bears the frank of a congressman and the address of a voter. Within it are smaller envelopes containing seeds of new or rare plants, concerning the adaptability of which for general cultivation in the United States the Department of Agriculture needs information. So each seed envelope bears the request: "Please report the result of your trial to this department."

One of these collections of novelties contains seeds of the Chinese pink, morning glory, mignonette, poppy and sweet pea. The department is in doubt about these flowers. It wishes to know whether they will grow now as they have grown for the last hundred years or more in the United States. Are they or are they not suited to the gardens and window boxes of registered voters?

"Congressional seed distribution" is a fearful and wonderful example of how science may be combined with

politics. It is also graft, pure and simple.—Chicago Record-Herald.

Another Seed Bill.

Congressman Mann introduced on March 26 in congress a bill (H. R. 22340) to regulate foreign commerce by prohibiting the admission of certain adulterated seeds, etc., and the bill was referred to the Committee on Interstate and Foreign Commerce. This bill is similar to the Mann Bill (H. R. 18495) filed January 22, 1912, heretofore reported. There are three changes made:

Sec. 1. Law would not go into effect until six months after its passage.

Sec. 1. Kafir corn and sorghum added to list of articles excepted when not intended for seeding purposes.

Sec. 2. Test of seeds made "by weight."

BOSTON, MASS.—Breck's Club, an organization composed of salesmen connected with Joseph Breck & Sons Corporation, held their regular monthly meeting and dinner at the Crawford house Saturday evening March 23, thirty-five members being present. After the regular business was transacted an informal entertainment was given by members. William J. Collins and P. Van Baarda gave an illustrated lecture, describing their recent trip through the seed and bulb growing districts of Europe, which was of a very interesting nature. Freeman C. S. Frye, "Impersonations of country characters." Messrs. Stewart, Wilson, Dopler and Hirth, vocal selections. Messrs. Haynes, Werner and Howard in a comedy sketch, "Orpheum Trio." Messrs. Foster, Frederickson and Lohman, popular songs. Brecks' Glee Club in original selection written by Guy Small, leader. Brecks' Orchestra (five pieces), John Russell, conductor, furnished the music. James T. Carroll, president, acted as toastmaster. Meeting adjourned at 10:30 o'clock, all voting it a most enjoyable affair.

SAN JOSE, CALIF.—Plans have been made to hold one of the most extensive exhibits of flowers ever held in this section in May, probably in the City Hall park.

BUFFALO, N. Y.—An exhibition of flowering bulbs grown by the children of the Eagle street school attracted a large attendance. Out of 1,500 bulbs planted and cared for by the children 1,500 exhibits were made.

Established 1810.

Denaiffe & Son,
CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.



TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,
SANTA ANA, CALIFORNIA.
Mention the American Florist when writing

THE G. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.
Contract Growers of
High Grade Seeds
Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn.

IF IT IS

Water Melon and Musk Melon Seeds

Get them from
J. FRANK CORRY,
Contract Grower, ENID, OKLAHOMA.
Complete Delivery by Oct. 15, 1912.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. MILFORD, CONN.



H. WREDE, LUNEBURG, GERMANY PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles
1000 seeds, finest mixed... 25c
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Fancy Recleaned Yellow Sets, \$2.50
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Spark's Earliana	12c	45c	
Chalk's Early Jewel	12	45	
Early Acme	10	35	
Matchless	10	35	
Dwarf Champion	12	45	
New Stone	10	35	
Livingston's Beauty	10	35	
" Favorite	10	35	
" Perfection	10	35	
" Globe	15	60	
Success	10	35	
Ponderosa	15	60	
Bonnie Best	15	60	
Golden Queen	12	45	
Yellow Plum	15	60	
Dwarf Stone	15	60	

CELERY		Oz.	¼ lb.
Golden Self Blanching	\$1.00	\$4.00	
White Plume	.12	.40	
Boston Market	.12	.35	
Perfection	.12	.35	
Giant Pascal	.12	.35	
New Winter Queen	.12	.35	
EGG PLANT			
New York Improved	.15	.60	
New Jersey	.15	.60	

CABBAGE		Oz.	¼ lb.
Improved Drumhead	12c	45c	
Red Rock	12	45	
Perfection Savoy	12	45	
PEPPER.			
Ruby King	10	35	
Sweet Mountain	10	35	
Bull Nose	10	35	

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Earliest Snowball	\$1.50	\$5.00	
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New Enkhuizen Glory	15	50	
Early Jersey Wakefield	12	45	
Charleston Wakefield	12	45	
All Head Early	15	45	
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Danish Ball head	15	50	
Sure Head	12	45	
Late flat Dutch	12	45	

LETTUCE			
Black-seeded Simpson	5	15	
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New Morse	5	15	
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Black-seeded Tennis ball	5	15	
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1st size.....\$1.10 per 100; \$9.50 per 1000

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5-7-inch.....\$2.00 per 100
7-9-inch.....3.50 per 100
9-11-inch.....6.00 per 100

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	Per 100	Per 1000
AMERICA.....	\$3.50	\$30.00
AUGUSTA.....	2.25	20.00
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WHITE and LIGHT MIXTURE.....	1.75	15.00

Gloxinias Separate colors. \$3.50 per 100; \$30.00 per 1000.

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of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

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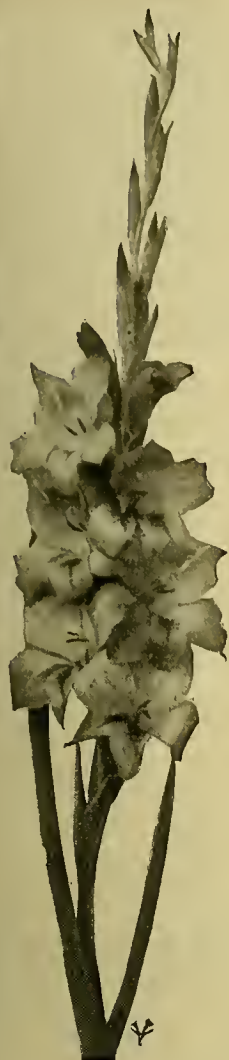
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True Dwarf Pearl

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First Size, 4-6-in.....	\$ 9.00
Medium, 3-4-in.....	5.00
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Mrs. Francis King, 1 1/4 to 1 1/2 inch.....	\$17.00
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Valley Pips

	Per 1000
London Market.....	\$15.00
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Lilium Rubrum

9 to 11.....\$80.00 per 1000

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CHICAGO

Vaughan's Seed Store, NEW YORK

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Carnation Cuttings

	Per 100	1000
Washington.....	\$4.00	\$35.00
Mrs. C. W. Ward.....	3.00	25.00
Beacon.....	3.00	25.00
White Enchantress.....	3.00	25.00
May Day.....	.50	0.00
Sangamo.....	2.50	20.
Enchantress.....	2.50	20.00
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Dorothy Gordon.....	3.00	

250 at 1000 rate. Satisfaction guaranteed.

Will exchange any of the above for
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Western Headquarters for Rose Plants

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	Per 100	Per 1000
Double Pink		
Killarney, 2 1/2-in.....	\$12.00	\$120.00
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Sunburst, 2 1/2 in.....	35.00	
Maryland, 2 1/2-in.....	12.00	120.00
Mrs. Aaron Ward, 2 1/2-in.	14.00	120.00
Melody, 2 1/2-in.....	14.00	120.00
Mrs. Taft or Prince de		
Bulgarie, 2 1/2-in.....	14.00	120.00
Radlance.....	14.00	120.00

OWN ROOT.

	Per 100	1000
Pink and White		
Killarney, 2 1/2-in.....	\$6.50	\$60.00
Maryland, 2 1/2-in.....	6.50	60.00
Richmond, 2 1/2-in.....	6.00	50.00
Antoine Rivoire, Mrs.		
Taft, or Prince de Bul-		
garie, 2 1/2-in.....	8.00	70.00
Radlance, 2 1/2-in.....	8.00	
Melody, 2 1/2-in.....	8.00	70.00
Mrs. Aaron Ward, 2 1/2-in.	8.00	70.00
DbI Pink Killarney, 2 1/2-in.	8.00	70.00

Good, Big Clumps of Croweanum, \$10.00 per 100.

Orders are now booked for April, May, June and July delivery.
All goods are sold for cash or 30 days on approved credit.

The Early Advertisement Gets There

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Raetenik Cleveland, O., Treasurer.

COUNCIL BLUFFS, IA.—Leaking gas from a main leading into the greenhouses of F. L. Lanson totally blighted the winter vegetables, causing a loss of \$10,000.

NEW CARLISLE, O.—W. N. Scarff has purchased the interest which Prof. C. W. Waid had as manager in the greenhouse which recently collapsed under the heavy snow, and has not as yet decided to rebuild. Prof. Waid has under consideration the acceptance of a position at the Experiment Station at Morgantown, W. Va.

Outdoor Lettuce.

We make quite a specialty of outdoor lettuce in early spring and for a number of years have carried the market most successfully. There is a lull between greenhouse leaf lettuce and the out-door crop; also between southern head lettuce and the out-door sown crop. This gap we have aimed to fill. Being poorly located for early work we must use every advantage or be left behind. Our land is naturally heavy and drains slowly, making it rather slow in the spring. Yet in spite of this drawback we have invariably entered the market first and cleared up the entire planting before the glut comes on. Therefore our methods must be worth investigating. In our location out-door work commences with the first week in April. Thus we time our plants to be ready by April 1; however, for several years we have rushed this date a little to our advantage. Two years ago we planted about March 25; last year March 16. Each time the plants were completely buried in snow and the ground froze hard enough for a wagon to go over. Last spring the temperature dropped to 16° for three days. Our neighbors had it figured out that our lettuce this time was surely lost. But May 20 we entered the market with magnificent heads of Big Boston lettuce and Grand Rapids weighing a pound each.

Of course we have plenty of imitators, like every other successful thing; but our imitators fail on one point, and that is the vital one—good plants. They think they can broadcast lettuce seed into hotbeds and pay no more attention to them and when the time comes set these tender things out into the rough weather of early spring. Judging by the numerous offers to buy our plants they commence to see the point, but we decline all such orders, as our plants are not for sale.

We are careful to have our plantbeds well cooled down before seeding—we don't want a soft heat. The beds are marked with a two-inch marker into shallow furrows and the seed drilled in thinly. As soon as the second leaf appears these seedlings are dibbled into other beds 2x2; we screen this ground through a three-quarter inch mesh, to be sure we have no sticks, stones or lumps to interfere

with digging of the plants. Just before the plants close in on each other we use a paring knife and run it lengthways and crossways between the rows to block them off. The air is increased from day to day and during favorable spells the sash are off entirely. Next we remove the sash and substitute cheesecloth. If they freeze through this cloth occasionally no harm is done. As soon as the land can be prepared they are set out, using no fertilizer until they show good growth. Then we side dress heavily as often explained in these notes. Such plants can stand a great deal of freezing without harm. MARKETMAN.



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

Pure Culture Mushroom Spawn

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

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

Strong plants, 2 1/4 in. pots, ready now or will make deliveries later. Glen Cove, Unaka, Mrs. David Symes, Witterstatter, Roman Gold, \$7.00 per 100. Smith's Advance, \$4.00. Chadwick Supreme, \$8.00. Chrysolora, \$10.00 per 100. Golden Glow, Crocus, Yellow Jones, Dr. Enguehard, Major Bonnafon, Jerome Jones, White Bonnafon, Clementine Touset, Emarita, Charles Razer, White Eaton, White Chadwick, Late Yellow, Late Pink, Virginia Pochlmann, Golden Chadwick, \$2.50 per 100, \$22.50 per 1000.

ELI CROSS, 25 Monroe St., Grand Rapids, Mich.
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ROOTED CUTTINGS

Prepare NOW for Spring. NOW is the time to buy the cuttings. They are good now. If you wait until late Spring you cannot get as good. Our cuttings now are grand, and will make the price as follows for a few weeks: VERBENAS, 60c per 100; \$5.00 per 1000. SALVIAS, 80c per 100; \$7.00 per 1000. COLEUS, 70c per 100; \$6.00 per 1000. GIANT DBL. ALYSSUM, 80c per 100. AGERATUMS, 60c per 100; \$5.00 per 1000. PETUNIAS, \$1.25 per 100; \$10.00 per 1000. PELARGONIUMS, \$2.50 per 100; \$22.00 per 1000. HELIOTROPE, 80c per 100; \$7.00 per 1000. DAISIES, \$1.00 per 100; \$8.00 per 1000. FEVERFEW, true little gem, (no dog fennel) \$1.00 per 100; \$9.00 per 1000. Express paid. Cash with order.

S. D. BRANT, Clay Center, Kansas.
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Rooted Cuttings

Carnations and Chrysanthemums

of the New and Leading Market Varieties

Rooted Cuttings

and Pot Plants, Fine Strains of Snapdragon

Send for Price List

Wm. Swayne P. O. Box 85
KENNETT SQUARE, PA.
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IPOMEA NOCTIFLORUM

Our so well known pure white waxy Moonvine, bearing flowers very fragrant and as big as a saucer, 4 1/2-in. pots; will make good stock for you to propagate from; \$5.00 per 100.

Godfrey Aschmann,
1012 W. Ontario Street,
PHILADELPHIA, PA.

Asparagus Plumosus and Sprengerii, 3-in. pots \$4.00 per 100.

Daisy (new), Mrs. F. Sanders, 2 1/2-in. pots, \$5.00 per 100.

Ivy, English Hardy, 4-in. pots, \$1.00 per dozen; 5-in. pots, \$4.00 per 100.

Passiflora Cœrulea and Pfordii, 3-in. pots, \$4.00 per 100.

Geraniums, Rose and Nutmeg, 3-in. pots, \$3.00 per 100.

Clematis, large-flowering varieties, red, white and blue, 5-in. pots, \$2.00 per dozen; extra strong 6-in. pots, \$3.00 per dozen.

Smilax, 3-in. pots, \$4.00 per 100.

Swainsona Alba, 2 1/2-in. pots, \$3.00 per 100.

Carnations, fine plants from soil; Boston Market, still one of the best white, \$2.00 per 100; Enchantress, pink and white, \$3.00 per 100.

Stock from 2 1/2-in. pots, \$2.50 per 100: Abutilon Savitzi; Cupheas; Asparagus Sprengerii; Ageratum blue; Salvia Bonfire; Alyssum, dbl., white; Lobelia, single, blue.

C. EISELE,

111th & Westmoreland Sts., Philadelphia, Pa.

CARNATION CUTTINGS

FOR IMMEDIATE DELIVERY.
STRONG, HEALTHY STOCK.

	Per 100	Per 1000
Washington	\$6.00	\$50.00
Bright Spot	6.00	50.00
Mrs. C. W. Ward	4.00	30.00
Sangamo	3.00	25.00
Dorothy Gordon	3.00	25.00
White Enchantress	3.00	25.00
Enchantress	3.00	25.00
White Perfection	3.00	25.00
May Day	3.00	25.00
Beacon	3.00	25.00
Scarlet Glow	3.00	25.00

A. C. BROWN, Springfield, Ill.

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HENRY METTE, Quedlinburg, Germany

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leaf Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Astern, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabiosa, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per ea., or \$1.50 per 1/4 ea., 75c per 1-16 ea., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stock and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.



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Palms and Ferns

A Large Assortment of Extra Choice Stock.



Pteris Cretica, Albo Lineata.

BEDDING PLANTS.

Achyranthes—rooted cuttings.	Per 1,000
P. de Bailey	\$6.00
Metallica	8.00
Lindenii	6.00
Warszewiczii	6.00
ACHRYANTHES—2-Inch.	Per 100
P. de Bailey	\$2.50
Metallica	2.00
Lindenii	2.00
Warszewiczii	2.00
AGERATUM, Stella Gurney—2-Inch.	2.00
Rooted cuttings, \$6.00 per 1,000	2.00
Princess Pauline—2-Inch	2.00
Rooted cuttings, \$6.00 per 1,000	Per 100
Cyclamen, seedlings, best varieties	\$2.50
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Coleus, 2-inch, Pfister, red and yellow; Beckwith's Gem.	2.00
Cuttings, Pfister, red and yellow.	1.000
Gnaphalium Lanatum—3-inch	\$5.00
Gnaphalium Lanatum—2-inch	2.00
Heliotrope, 3-inch	4.00
Rooted cuttings	6.00
Chrysanthemum, Maximum, Perfectum (Improved Shasta Daisy), strong seedlings	5.00
Ivy, English—	
3-in.	\$0.75 per doz.
4-in.	1.50 per doz.
Ivy, German, 2-inch	\$2.00
Ivy, German, 3-inch	4.00
Lantana Delicatissima, 2-inch	2.00
PRIMULA BERIS (AURICULA).	
3-in.	\$1.00 doz.
4-in.	1.50 doz.
ALTERNANTHERA.	
Red and Yellow.	
2-in.	\$2.50 100; \$25.00 1,000
GERANIUM, MME. SALLEROI.	
3-in.	\$4.00 per 100
ENGLISH IVY.	
R. C.	\$10.00 1,000
LANTANA DELICATISSIMA.	
R. C.	\$6.00 1,000
AGERATUM.	
R. C.	\$6.00 1,000
VINCAS.	
R. C.	\$10.00 1,000
TRITOMA.	
Pfitzeri, divisions.	\$3.00 to \$8.00 per 100
Mixed, divisions	1.00 to 5.00 per 100
	100 1,000
Lobelia Catherine Mallard, rooted cuttings	\$6.00
Lobelia Catherine Mallard, 2-inch	\$3.00 25.00
Marguerites, yellow cuttings	6.00
Mrs. F. Sanders, new double white—	
2-inch	3.00
3-inch	6.00
Cuttings	15.00
SALVIA—2-Inch.	Per 100
Bonfire	\$2.00
Zurich	2.00

BULBS.

DAHLIAS—	Per 100
Thatcher, double yellow	\$12.00
Sylvia, light pink	12.00
A. D. Livoni, shell pink	12.00
J. Cowan, single	12.00
J. Downie	12.00
Ami Barlet, single	12.00
Fashion, single	12.00
Field Clumps	\$80.00 per 1,000
Ismene Calanthina—	
1st size	6c each
2nd size	4c each
3rd size	2c each



Pteris Magnifica.

PALMS

LATANIA BORBONICA.			
2-in., 1 to 2 leaves	\$3 per 100; \$25 per 1,000		
4-inch	\$3 per doz.; 20 per 100		
5-inch	\$5 per doz.; 40 per 100		
ARECA LUTESCENS.			
3-in., 3 plants in a pot,	\$2.00 per doz.; \$15.00 per 100.		
KENTIA BELMOREANA.			
Pot.	High.	Lvs.	Doz.
2½-inch	8-in.	4	\$ 1.50 \$12.00
3-inch	8-10-in.	4-5	2.00 15.00
4-inch	12-in.	4	3.00 30.00
4-inch	12-15-in.	4-5	4.50 35.00
5-inch	15-18-in.	5-6	6.00 50.00
5-inch	18-20-in.	5-6	Each. Doz. \$ 0.75 \$ 9.00
6-inch	20-22-in.	6-7	1.00 12.00
6-inch	22-24-in.	6-7	1.50 18.00
9-inch	48-50-in.	7-8	8.00



KENTIA FOSTERIANA.			
Pot.	High.	Lvs.	Doz.
2-inch	8-10-in.	4	\$ 1.50 \$12.00
3-inch	12-14-in.	4-5	2.00 15.00
4-inch	14-16-in.	4-5	4.50 35.00
5-inch	20-24-in.	4-6	Each. Doz. \$ 0.75 \$ 9.00
6-inch	24-30-in.	5-6	1.00 12.00
6-inch	30-36-in.	5-6	1.50
9-inch	46-50-in.	6-7	7.00
MADE UP.			
Pot.	High.	In a Pot.	Each.
7-inch	24-30-in.	3-4	\$ 2.50
9-inch	50-54-in.	3-5	8.00
10-inch	53-60-in.	4-5	10.00
12-inch	62-70-in.	4-5	15.00
PHOENIX CANARIENSIS.			
7-inch	36-40-in.		Each. \$ 2.50
8-inch	46-50-in.		4.00
10-inch	50-54-in.		8.00
10-inch	60-64-in.		10.00
PHOENIX RECLINATA.			
4-inch	25c each; \$3 doz.; \$20 per 100		
5-inch	50c each; \$5 doz.		
6-inch	75c each; \$9 doz.		
PHOENIX ROEBENIL.			
2½-inch	\$2.00 per doz.; \$15.00 per 100		
3-inch	\$3.00 per doz.; \$22.50 per 100		
5-inch	\$9.00 per doz.; \$70.00 per 100		
6-inch	\$12.00 per doz.		
6-inch, strong	\$2.00 each		
7-inch	2.50 each		

Peris Serrulata
SPIRAEAS, Peach Blossom, in bloom for Easter, 50c each; \$5.00 per dozen. Queen Alexandra, 50c each; \$5.00 per dozen.

FERNS.

BOSTONS.			
Size.	Each.	Doz.	100 1,000
2-inch			\$3.00 \$25.00
3-inch		\$ 1.00	8.00
8-inch		1.00 12.00	
Asst. Ferns, for Dishes, 2-in.,		\$0.40 doz.;	
\$3.00 per 100; \$25.00 per 1,000.			
Cibotium, 7-inch		Each. Doz.	\$2.50 \$30.00
8-inch			3.00 36.00

Stove and Greenhouse Plants

Aspidistra, Variegated	15c per leaf
Arancarias—	
6-in., 4-5 tiers.	\$1.00 each; \$12.00 per doz.
7-in., 4-5 tiers.	1.50 each; 18.00 per doz.
Asparagus Plumosus—	
2-in.	\$0.40 per doz.; \$ 3.00 per 100
3-in.	.75 per doz.; 6.00 per 100
4-in.	1.50 per doz.; 12.00 per 100
Cyperus, 2-in.	2.00 per 100
4-in.	1.50 per doz.; 10.00 per 100
Dracena Indivisa—	
2-in.	\$3.00 per 100; \$25.00 per 1,000
7-in.	\$1.25 each; \$15.00 per doz.
Dracena Massangeana—6-in.	\$1.25 each
7-in.	1.50 each
Dracena Terminalis—	
4-in.	\$0.35 each; \$4.00 per doz.
Ficus Elastica (Rubbers)—	
6-in.	\$0.50 each; \$6.00 per doz.
Pandanus Utilis, 3-in., per doz.	\$1.50
Pandanus Utilis, 4-in., per doz.	3.00
PANDANUS VEITCHII, Each. Doz.	
4-inch	\$0.50 \$ 5.50
5-inch	.75 9.00
6-inch	1.00 12.00
Tradescantia Variegata (Wandering Jew)—	
2-inch	\$0.40 per doz.; \$3.00 per 100
VINCAS—	Doz. 100
2-inch	\$ 2.50
3-inch	5.00
4-inch	\$2.50 15.00
	Per 1,000
PANSIES, transplanted seedlings	\$5.00

NURSERY STOCK.

From the Field, for Spring Shipment.			
SHRUBS.			
	Feet.	Each.	
Morus Alba (Russian Mulberry)	3-4	\$0.10	
Morus Alba	4-5	.15	
Rhus Typhina Laciniata (Cut leaf Sumach)	2-3	.05	
Rhus Typhina Laciniata	3-4	.10	
Rhus Typhina Laciniata	4	.15	
Rosa Rugosa, mixed	1½-2	.10	
Rosa Rugosa, mixed	2-2½	.15	
Rosa Rugosa Alba (Single White)	1½-2	.10	
Rosa Rugosa Alba	2-2½	.15	
Spiraea Van Houttei (Bridal Wreath)	1-2	.05	
Symphoricarpos Racemosus (Snowberry or Waxberry)	2	.05	
Symphoricarpos Racemosus	2-3	.10	
Symphoricarpos Vulgaris (Indian Currant)	1	1½ .05	
Symphoricarpos Vulgaris	2-2½	.10	
Symphoricarpos Vulgaris	3	.15	
PERENNIALS.			
Achillea The Pearl (Sneezewort)		\$0.10	
Boltonia Asteroides (False Chamomile)		.15	
Iris, German, named varieties, divisions according to size of clump.		\$.02 and up	
Yucca Filamentosa (Adam's Needle or Spanish Bayonet)		.10	
Yucca Filamentosa		.15	



Pteris Wilsoni.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

LOS ANGELES, CALIF.—An examination has been called by the State Horticultural Commission for applicants for the position of county horticultural commissioner to succeed the late A. R. Meserve.

Berberls Wilsonae.

This showy barberry was introduced from China a few years ago by James Veitch & Sons through their collector, E. H. Wilson. It is quite distinct, and likely to be a much-sought-after plant as it becomes better known, writes a correspondent in Gardening Illustrated. Of dwarf habit, it forms a compact bush of spiny, many-branched stems, clothed with small oval leaves. During late spring a profusion of golden blossoms appears. These are followed by bright red fruit. Autumn, however, sees a further attractive feature of the plant, for at that period the leaves turn to a brilliant crimson shade before falling. As it grows quite as easily as any other barberry, there are few places where it would not thrive, and it has the advantage possessed by many other species of requiring very little attention after it has once become established. Propagation may be effected by means of seeds or by cuttings of half-ripe shoots inserted in sandy soil in a cold but close frame.

New Plants From China.

E. W. Wilson addressed the Massachusetts Horticultural Society, March 16, on his recent expedition to China for the purpose of collecting new plants for the Arnold Arboretum. On a previous trip a large number of new conifers were discovered but the season was unfavorable for the gathering of seeds, but the herbarium collected demonstrated that the China-Thibetan borderland was the headquarters of the spruce family, a fact previously unsuspected, there being at least twenty to twenty-five distinct species, and, for the purpose of testing these new conifers the second trip was promoted. The difficulties of traversing this wild country were described as were also the rich flora discovered. The mountains are clad with oak, Pinus Massoniana and cypress, a few Keteleeria trees and Liquidambar formosana occur. Populus silvestris is common and the wood-oil trees were a wonderful sight and abundant. By the side of streams Rosa multiflora flourished and the musk rose grew to a height of 20 feet covered with flowers.

The forest abounds with splendid timber the Chinese beech being the commonest tree and the interesting Tera-centron sinense is very abundant. Shrubs are in great variety and include viburnums, diervillas, deutzias, philadelphus and Neillia sinensis. The Davidia trees in full flower were a beautiful sight, and it is one of the most interesting trees in the north temperate flora. Two distinct beeches were found, one with a single trunk and the other has several trunks. Five species of oak—three deciduous and two evergreen, occur. Many species of pomaceae and cherries are common while the

varnish tree is abundant. Various evergreen barberries in the shade and Neillia sinensis in the open form dense thickets. The fruiting of conifers is uncertain, but they were found fruiting freely and these new conifers are now growing in the Arnold Arboretum, as well as 350 miscellaneous trees and shrubs which were collected.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
 Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.
 Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

LARGE TREES

**OAKS and MAPLES
 Pines and Hemlocks**

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.



The profits from your Evergreen Department depend on the kind of trees you supply to your trade. Buy your seedlings where you can get best values.

Hill's

Seedling Evergreens

are grown by the million—we have a great nursery specially equipped for that purpose, and our work has over a half-century of "knowing how" back of it. Get our Wholesale Catalog and prices.

D. HILL NURSERY CO., Inc.
 Evergreen Specialists. Largest Growers in America
 Box 404, Dundee, Illinois



Moon's

A nursery with an enormous collection of thrifty **Ornamental Trees & Shrubbery** for landscape plantings. Catalogue upon request.
The Wm. H. Moon Co.,
 MORRISVILLE, PA.

California Privet

Five stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched.....	\$1 00	\$ 7 00
15 to 20 in., 3 or more branches.....	1 50	10 00
20 to 30 in., 4 or more branches.....	2 00	13 00
2½ to 3 ft., strong, 6 or more branches	3 00	25 00
3 to 4 ft., extra heavy, 8 or more branches.....	4 00	30 00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.

Mention the American Florist when writing

ROSE STOCK

American Beauty, \$8.00 per hundred; \$75.00 per thousand.
 Rose Queen and Lady Hillingdon, \$20.00 per hundred; \$150.00 per thousand.
 Bon Silene, Radiance, Killarney and Richmond, \$6.00 per hundred; \$50.00 per thousand.

2½ in. pot plants. Immediate Delivery

Write us for quotation on large blocks.

CHRYSANTHEMUMS

Immediate Delivery. 2½ in. pot plants

Col. Appleton, Montigny, Tousey, Gloria, Lady Hopetoun, Miriam Hankey, Monrovia, Mrs. O. H. Kahn and Yellow October Frost. \$3.00 per hundred; \$25.00 per thousand.

Chas. H. Totty

Madison, N. J.

Clematis Paniculata

Only \$5.00 per 100

Strong 1 year from frames and ready for potting up.

Sample 10 for 10 Cts.

THE ELM CITY NURSERY CO., New Haven, Conn.

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Carnations

Rose Pink Enchantress, from soil, \$24 00 per 1000.
Enchantress, from soil, \$29 00 per 1000.

	R. C. per 100	1000
White Wonder	\$6 00	\$50 00
Norwood.....	6 00	50 00
Dorothy Gordon.....	4 00	35 00

	R. C. per 100	1000
White Enchantress.....	\$3 00	\$25 00
Enchantress.....	3 00	25 00
Beacon.....	3 00	25 00

	R. C. per 100	1000
Rose Pink Enchantress	\$2 50	\$20 00
Winsor	2 50	20 00

CHRYSANTHEMUMS

PINK.		
	R. C. per 100	1000
Gloria	\$2 50	\$20 00
Amorita	2 50	20 00
Dr. Enguebard	2 50	20 00
Pacific Supreme.....	2 00	15 00
Balfour	2 00	15 00

CRIMSON.		
	R. C. per 100	1000
Pockett's Crimson.....	\$2 50	\$20 00
Schrimpton	2 50	20 00
Intensity.....	2 00	15 00

YELLOW.		
	R. C. per 100	1000
Crocus, the best yellow.	\$4 00	\$35 00
Yellow Eaton.....	\$2 50	\$20 00
Golden Glow	2 00	15 00
Halliday	2 00	15 00
Maj. Bonnaffon.....	2 00	15 00

WHITE.		
	R. C. per 100	1000
White Chadwick.....	\$3 00	\$27 50
Lynwood Hall	2 50	20 00
White Eaton.....	2 50	20 00
Alice Byron.....	2 00	15 00
Touset.....	2 00	15 00
October Frost.....	2 00	15 00

J. D. THOMPSON CARNATION CO., Carnation Specialists, Joliet, Ill.

Carnations

FROM POTS.

Winona and Beacon at \$2.50 per 100, Victory at \$2.00 per 100 and Washington at \$5.00 per 100.

GERANIUMS

Big lot of fine rooted cuttings for delivery about April 15th.

S. A. Nutt at \$11.50 per 1000.
Poitevine and Ricard at \$14.00 per 1000.

COLEUS

Strong rooted cuttings of Golden Bedder, Verschaffeltii and standard assorted at \$6.00 per 1000.

Giant Leaved at \$2.50 per 100.

Asparagus Plumosus

Extra fine stock from rose pots at \$2.50 per 100; \$25.00 per 1000.

SMILAX

Ready June 1st. Extra quality at \$12.50 per 1000.

To avoid delay send cash with the order.
Samples of any of the above for ten cents.

ALBERT M. HERR, Lancaster, Pa.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.

Boston Ferns, 5-in., 25c each.

Whitmani Ferns, 4-in., 25c.

Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., \$2.50 per 100.

Asparagus Plumosus, 2-in., \$3.00 per 100.

Cash with order.

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

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.

Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

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—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

Grafted Rose Plants

Choice stock from flowering wood, ready for delivery April 1st.
Well hardened and in good condition to bench or repot.

Mrs. Aaron Wardper 100, \$12.00 White Killarney.....per 100, 12.00
Pink Killarney.....per 100, 12.00 Rhea Reid.....per 100, 12.00

Prince de Bulgarie, ready May 1st.....per 100, \$12.00

Our stock is all grafted on selected English Manetti.

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Office and Store: Greenhouses:
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Mention the American Florist when writing

Rooted Carnation Cuttings

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000	Per 100	Per 1000
Beacon	\$2 50	\$20 00	R. P. Enchantress	17 50
White Enchantress.....	2 50	20 00	Enchantress.....	\$2 00 \$17 50

PERLE ROSE PLANTS

2½ inch, \$4.00 per 100; \$30.00 per 1000.

PETER REINBERG,

30 East Randolph St., CHICAGO

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DAHLIAS

The best New and Standard varieties.
Send for Wholesale Price List.

BASSETT & WELLER

HAMMONTON, N. J.

Ferns for Dishes

per 100 per 1000
2¼-in.....\$3.50 \$30.00
Asparagus Plumosus, 2¼-inch, \$3.50 per 100;
\$30.00 per 1000. 3-in., \$6.00 per 100,
500 at 1000 rate. Cash with order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

Mention the American Florist when writing

For Tree Seeds, send to Hill, Dundee, Ill.

The proper handling of Tree Seeds requires special equipment, skill and long experience. Some nurserymen, seedsmen and florists who would not for a moment risk buying flower and field seeds from irresponsible growers and dealers, will buy their Tree and Shrub Seeds from "any old firm".

Hill's Tree seeds are handled properly. This is a tree seed firm. Ask for prices on what you want. You will get the best of service.

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Collectors and Contractors Import Export

Orchids

Fresh Importations

Commercial Varieties

First Arrivals Now in Transit

Correspondence Solicited

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H. STANLEY (Late Stanley & Co.),

Sandcross Lane, REIGATE, ENGLAND,
will ship *Oncid. Varicosum* and *Capt. Loddigesii*
in April and May. Enquire now.

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(*Osmunda Fibre*)

Price Lists and Samples on request.

THE C. W. BROWNELL CO.,
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Bellis Daisy (Longfellow and Snowball),
\$2.00 per 1000.

Verbenas, transplanted, 50c per 100.

Heliotrope, 2 in., \$2.00 per 100. R. C. \$1.00.

Alyssum Double, 2 in., \$2.00 per 100. R. C. 50c.

Moon Vine, 2 in., \$2.50 per 100.

Geraniums, Mme. Buchner, rooted, \$11.00 per 1000.

Other sorts ready in April. 4 houses of stock plants.

Elmer Rawlings, Wholesale Grower, Olean, N. Y.

STOCKS

Beauty of Nice, Pink, Red and Lavender, also a fine lot of Snapdragons in colors. The above will be fine for Decoration Day. Out of 2½ in., \$2.00 per 100; \$5.00 for 300.

J. C. SCHMIDT, Bristol, Pa.

LEEDLE ROSES.

BIG VALUES.

See adv., page 550, March 23.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO

BUDDING KNIFE FREE

See Page 662.

You Can Be Independent on Five Acres of Land if You Grow Berries

With a hundred berry plants you can find health and enjoyment. With five acres you can be independent; with twice that you can become rich. High cost of living, health, enjoyment, recreation, independence — these are the problems berry growing solvea.

Get My Invaluable Berry Book

I've studied living conditions for a good many years, while I produced berries of all kinds. The results are summed up in the one book of its kind published in America.

Here also is described, among many others, the Himalaya Berry, that perennial resembling blackberries, but bearing fruit on old and new wood like a fruit tree, with the value of apples for commercial growing. The vine is beautiful, climbing like a Rambler rose over your porch. Get the full details. The book is free. Send your address now, before you lose my address.

PRICES OF HIMALAYA PLANTS:

6 months old plants, \$2.00 per 12; \$5.00 per 100
12 months old plants, \$4.00 per 12; \$10.00 per 100
18 months old plants, 75c each; \$6.00 per 12
24 months old plants, \$1.00 each; \$10.00 per 12
The 18 and 24 Months will fruit 1912.
Fifty per cent discount to the trade.

A. MITTING, Manager

BERRYDALE EXPERIMENT GARDENS,
Chicago Avenue, HOLLAND, MICHIGAN.

Stock for Everybody

Boxwood, Pyramidal—24-in. high, \$1.00 each; 30-in. high, \$1.50 each; 36-in. high, \$2.00 each; 42-in. high, \$3.00 each.

Boxwood, Bush Shape—12-in. high, 30c each, \$25.00 per 100; 18-in. high, 45c each; 24-in. high, \$1.00 each; 30-in. high, \$1.50 each (very heavy); 36-in. high, \$2.00 each (very heavy). Above nicely shaped stock with ball of earth, burlaped.

Azalea Mollis, Hardy, for outdoor planting, 12 to 15 in. high, full of buds, \$25.00 per 100.

Tree ROSÉS, straight, stiff stems, 4 ft. high, with good heads; hardy sorts only, all colors, \$40.00 per 100.

Rhododendrons, Parson's hardy varieties for outdoor planting, undoubtedly the largest block of imported plants in the country. Fine bright foliage and well filled with buds. Named sorts in all colors. 15 to 18 in. high, 7 to 10 buds, 50c each; 18 to 24 in. high, 8 to 12 buds, 75c each; 24 to 30 in. high, 12 to 16 buds, \$1.00 each, 30 to 36 in. high, 16 to 20 buds, \$1.50 each.

Kalmia Latifolia (Mountain Laurel), 18-in. high, 12 to 15 in. head, with ball of earth, 50c each.

English Ivy, strong 4-in. pot plants, in fine growing condition, 3 ft. of tops, \$12.00 per 100; 2½-in. pots, \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.



New Hardy Golden Vinca. Vinca Minor Aurea.

Golden variegated Myrtle or Periwinkle.

This is not a creamy yellow like *V. Variegata* but a rich deep golden yellow, grand for shrubbery borders, banks, window boxes, vases and especially for cemetery work.

Awarded Certificate of Merit by the New York Hort. Society; Paterson (N. J.) Horticultural Society and Elberon (N. J.) Horticultural Society.

Price, 3 in. pot plants, \$2.00 per doz.; \$15.00 per 100. Delivery in April.

WM. TRICKER, Arlington, N. J.

Water Lilies and Hardy Plants a Specialty

CHRYSANTHEMUMS

and ASTER SEEDS.

* For list and prices see classified advertisement.

Elmer D. Smith & Co., ADRIAN MICH.

Alternantheras.....

Strong, well rooted cuttings, the kind that will please you.

P. Major, red.....50c per 100; \$4.00 per 1000

A. Nana, yellow.....50c per 100; 4.00 per 1000

Brilliantissima.....60c per 100; 5.00 per 1000

J. W. DAVIS, 225 W. 16th Street, Davenport, Iowa.

ROSES

Killarney Queen, Grafted \$30.00 per 100; 250 for \$70.00; \$250.00 per 1000.
Double White Killarney, (Budlong), Grafted \$30.00 per 100; 250 for \$70.00; \$250.00 per 1000.
 Own root, \$25.00 per 100; 250 for \$60.00; \$200.00 per 1000.

Lady Hillingdon Own root \$20.00 per 100; \$150.00 per 1000.
Killarney, White Killarney, Richmond, Radiance, Grafted \$15.00 per 100; \$120.00 per 1000.
 Own root, \$7.50 per 100; \$60.00 per 1000.

Mrs. Taft, (Rivoire), Own root, \$7.50 per 100; \$60.00 per 1000.
Melody, Own root, \$12.00 per 100; \$100.00 per 1000.
 250 of a variety at the thousand rate, except where noted in this advertisement.

GARDENIAS, April delivery, from 2 1/4-inch pots, \$7.00 per 100; \$60.00 per 1000.
ASPARAGUS HATCHERI, April delivery, from 2 1/4-inch pots, \$10.00 per 100; \$75.00 per 1000.

The Best Commercial Chrysanthemums.

Chadwick Supreme, pink sport of Chadwick. **Smith's Advance**, the earliest white. **Roman Gold**, a beautiful mid-season yellow. Prices: Rooted cuttings, \$7.00 per 100. \$60.00 per 1000. 250 of a variety at the 1000 rate.

WHITE	YELLOW	PINK
Early Snow	Comoleta	Winter Cheer
Alice Byron	Donatello	Patty
Heston's White	Yellow Ivory	Helen Frick
T. Eaton	Mrs. W. E. Kelley	
W. H. Chadwick	Golden King	
White Bonnaffon	Nagoya	
Jeanne Nonin	Golden Chadwick	

WHITE	WHITE	YELLOW
G. S. Kalb	Money maker	Major Bonnaffon
Polly Rose	Mrs. Jerome Jones	
C. Touse		PINK
Mrs. Robinson		Pacific Supreme
Mrs. Clay Frick	YELLOW	Glory of the Pacific
White Cloud	Monrovia	W. H. Duckham
Wanamaker	Robert Halliday	Mayor Weaver
	G. Pitcher	Dr. Engnehard
	Col. Appleton	Mand Dean

Prices: Rooted cuttings, \$3.00 per 100, \$20.00 per 1000. 250 of a variety at the 1000 rate.

Prices: Rooted cuttings, \$2.00 per 100, \$17.50 per 1000. 250 of a variety at the 1000 rate.

Pompon Chrysanthemums

Minta (Pink)	Susquehanna (Yellow)	From 2 inch pots, \$1.00 per dozen, \$5.00 per 100.
WHITE	PINK	YELLOW
Nio	Eleganta	Klondike
Queen of Whites	Alena	Zenobia
Baby Margaret	Acto	Baby
Lulu	Little Pet	Quinola
Diana		Souvenir d'Or
		Bronze Yellow
		Red
		Anemones and singles
		Rufus
		Julia Lagravere
		Lyndhurst
		Garza
		Pretoria
		Ladysmith
		Canary

Prices: Plants from 2 inch pots, \$3.00 per 100, \$25.00 per 1000. Not more than five varieties at the 100 rate. 250 in one variety, or assortment, at the 1000 rate.

If you haven't our catalogue send for one. These are our regular prices for guaranteed goods, and you are safe in ordering from this advertisement. Two per cent discount for cash.

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Now Ready.

Ask for copy.

JAMES VICK'S SONS
 Rochester, N. Y.

For Dutch Bulbs

of the highest quality, such as the English trade demands, and absolutely true to name,
 write to

W. J. Eldering & Son
 OVERVEEN, Haarlem, Holland
 Special quotations on large given quantities.

GLADIOLI

Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Brencleyensis, Etc.
 Lilies, Summer Flowering Bulbs and Hardy Plants.

E. S. MILLER, Wading River, N. Y.

Cannas in Bloom on Rio Grande Now Dug on Order All Always Grow

TO INTRODUCE, will send 1,000 Joliet, Allemania, Austria, David Harum or assorted for \$12.50 cash with order and for \$2.50 more add 100 of new and gorgeous fire-colored Flambeau

LA GRANJA FARM, :: Donna, Texas

I Have Been Dubbed The Dahlia Crank

I do not dislike the title, for I have been informed that it signifies an ENTHUSIAST—and acknowledge that I am.
 I have carried on a systematic study and trial tests for many years, increasing the list with novelties from abroad and at home, discarding as well as adding—and have at present perhaps the largest list of varieties grown by any one person up-to-date.
 For want of ground, as well as advancing years I am willing to dispose of much of my stock having a surplus over actual needs. Send for my descriptive list and prices.

E. STANLEY BROWN, Prop., A. G. Trial Grounds East Moriches, Suffolk Co., N. Y
 Mention the American Florist when writing

AMERICAN BEAUTY PLANTS

40,000 Beauty plants, 2 1/2 in. pots, \$6.00 per 100; \$50.00 per 1000.
 American Beauty Bench Plants, 1 year old, \$6.00 per 100; \$50.00 per 1000.
 Richmond Bench Plants, 1 year old, \$5.00 per 100; \$40.00 per 1000.

Satisfaction Guaranteed. Ready Now.

Geo. Reinberg, 162 N. Wabash Ave., Chicago.

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BE SURE TO LOOK US UP.

We are easily reached—only 25 miles from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming, when you will see our Palms of all sizes, from 2½-in. pots to 12-in. tubs. We are strong in

DECORATIVE PALMS

n 7-in., 9-in. and 12-in. tubs (made-up and single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place) and well established in the tubs. They are strong and healthy.

Kentia Belmoreana.			
Pot.	Leaves.	In. high.	Each Doz.
2½-in.	4	8 to 10	\$1 50
3-in.	5	12	2 00
4-in.		15	\$0 35
5-in.	6 to 7	18	50
6-in.	6 to 7	24	1 00
6-in.		26	1 25
Cedar tub.			
L'vs.	In. high.	Each	Doz.
7-in.	6 to 7	34 to 36	\$2 50
7-in.	6 to 7	36 to 38	3 00
9-in.	6 to 7	40 to 45	4 00
9-in.	6 to 7	42 to 48	5 00
9-in.	6 to 7	48 to 54	6 00
9-in.		54	7 50

Made Up Kentia Forsteriana.			
Cedar tub.	Plants.	In. high.	Each Doz.
7-in.	4	36	\$2 50
7-in.	4	36 to 40	3 00
9-in.	4	40 to 42	4 00
9-in.	4	42 to 48	5 00
9-in.	4	48 to 54	6 00
12-in.	4	5 to 5½ ft.	12 50
Cibotium Schiedel.			
Cedar tub.	Spread	Each	Doz.
9-in.	4 feet		\$3 00
9-in.	5 to 6 feet		5 00
9-in.	6 feet		6 00

Areca Lutescens.			
Cedar tub.	Plants in tub.	In. high.	Each
9-in.	Several	5 ft.	\$7 50
Phoenix Roebeleni.			
Pot.	High.	Spread.	Each
5-in.	nicely characterized		\$1 00
6-in.	18 to 20-in. spread		1 50
Cocos Weddelliana.			
Pot.	In. high.	Each	Doz.
2½-in.	8 to 10		\$10 00

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station, Jenkintown.

THE NEW CARNATION BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities.

The New "Helen" Pink A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit," Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000- 250 at 1000 rate.

Charles Weber
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R. G. WILSON
Fulton St. and Greene Ave., BROOKLYN, N. Y.

CHAS. H. TOTTY
Madison, N. J.

CARNATIONS

Rooted Cuttings

Rosette—The bright, large-flowered dark pink carnation. Only a few thousand left for April 10th delivery.

\$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

For March delivery we can supply now:

	Per 100	Per 1000
Scarlet Glow	\$3.00	\$25.00
White Perfection	3.00	25.00
Bonfire	6.00	50.00
Rose Pink Enchantress	3.00	25.00

Quality Cuttings

F. DORNER & SONS CO.

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Mention the American Florist when writing.

A Clearing Sale To Make Room

DON'T MISS IT

1500 Ageratums, Stella Gurney	\$2.50 per 100	100	Grevilleas, Robusta	6.00 to 15.00 per 100	100
Antirrhinum	2.00 per 100	100	Heliotropes	2.00 to 8.00 per 100	100
Alyssum, Double Giant and Sweet	1.75 per 100	100	Hollyhocks	2.50 per 100	100
Asparagus, Plumosus and Sprengerii	2.50 to 3.00 per 100	100	Honeysuckle, Japan Green	2.00 per 100	100
Balsam	1.00 per 100	100	Impatiens	2.00 to 4.00 per 100	100
Begonias, assortment	2.00 to 6.00 per 100	100	Ivy, English, German	2.00 to 12.00 per 100	100
Chrysanthemums, 10 best vars.	2.25 to 4.00 per 100	100	Lobelia, 4 varieties	1.75 to 4.00 per 100	100
Coleus	2.00 to 4.00 per 100	100	Petunias	2.00 to 7.00 per 100	100
Daisies	1.50 to 4.00 per 100	100	Salvias, Zurich and Bonfire	2.00 to 7.00 per 100	100
Dracena Indivisa	3.00 to 10.00 per 100	100	Smilax	2.00 per 100	100
Ferns, Boston	4.00 to 25.00 per 100	100	Snapdragons	2.00 to 4.00 per 100	100
Feverfew, D. W. Little Gem	3.00 per 100	100	Stocks	2.00 to 5.00 per 100	100
Forget-me-not	2.00 to 8.00 per 100	100	Swainsonas, P. & W.	1.50 to 4.00 per 100	100
Geraniums, mixed	2.50 to 12.00 per 100	100	Tradescantias, Var. and Brown	2.00 to 5.00 per 100	100
Gladiolus, mixed	6.00 per 1000	1000	Cyperus Alternifolius	2.00 to 10.00 per 100	100
			Vincas, Variegated	2.00 to 12.00 per 100	100

All the above to be moved at once to make room for our spring improvements. All strong and healthy stock and guaranteed to be true to name, and if you are looking for a snap, here it is.

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Libertyville, Illinois

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Choice Hybrid Delphiniums

- Amoa Perry.** Semi-double flowers of a rich rosy mauve flushed with sky-blue; conspicuous black eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.
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- Mme. Violet Geslin.** Perfectly round semi-double flowers of a clear blue; lavender centre, bold white eye and evenly arranged in spikes 5 to 6 feet high; a gem. 30 cents each; \$3.00 per dozen; \$25.00 per 100.
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- Queen Wilhelmina.** One of the finest of the newer hybrids; immense flowers of a soft lavender-blue, flushed rose, with a very conspicuous white eye. 30 cents each; \$3.00 per dozen; \$25.00 per 100.
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Select Standard Varieties of Delphiniums

	Per doz.	Per 100
Chinansa. Free-flowering, gentian-blue	\$0 85	\$6 00
Chinansa Alba. A white form of the above.....	85	6 00
Farmstam. The old favorite dark-blue variety.....	85	6 00
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The above prices are intended for the trade only.

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Enchantress.....	\$3.00	\$25.00
Pure White Enchantress....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Mrs. C. W. Ward.....	3.50	30.00
Dorothy Gordon.....	3.50	30.00
White Wonder.....	6.00	60.00

250 at 1000 rates. Cash or reference.

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	Per 100	Per 100
Red, Yellow, 2¼ pot, April 20th	\$2.00	\$2.00
Geraniums, S. A. Nutt and 5 varieties from 3 in. pot, April 20th.....	4.00	3.00
Geraniums, 2½, April 20th.....	3.00	2.00
Asp. Plumosus and Sprengeri, 2¼ pots, May 1st.....	2.00	2.00
10 varieties, 2¼ pot.....	2.00	2.00
Verbena, 2¼ pot.....	2.00	3.00
Petunias, May 1st.....	3.00	4.00
Canua, 10 varieties, 3 in. pot.....	4.00	6.00
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Pansy plants in bud.....	1.50	

Cash or C. O. D.

Jos. H. Cunningham, - - Delaware, O.

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Areca Sapida potted, 2½, 3, 3½, 4, 4½, 5, 5½, 6 ft., at \$1.00, \$1.30, \$1.60, \$1.90, \$2.20, \$2.50, \$2.80 and \$3.10. On small orders, 25% extra, packing included.

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Write for pamphlet, including prices.

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AMERICAN FLORIST

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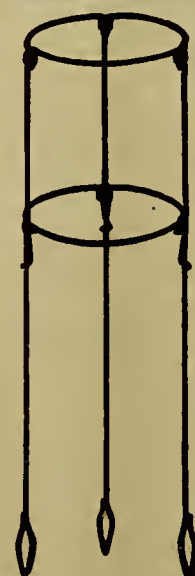
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Pat. July 27, '97, May 17, '98

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Achyranthes, Emersoui, Besteri, Mosacia, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Ageratum, Stella Gurney, Princess Pauline, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Alternantheras, R. C. P. major, A. Nana, 50c per 100; \$4 per 1,000. Brilliantissima, 60c per 100; \$5 per 1,000. J. W. Davis, 225 W. 16th St., Davenport, Iowa.

Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

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Araucarias, 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; 18 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechsli, 4911 Quincy St., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

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Asparagus baskets, \$1, \$1.50 and \$2 each. Plumosus, 2-in., 40c per doz.; \$3 per 100; 3-in., 75c per doz.; \$6 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 5-in., \$4 per doz.; \$30 per 100. Asparagus S. D., 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Bensenville, Ill.

Asparagus plumosus nanus, from 2 1/4-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, prop., Chatham, N. J.

Asparagus plumosus nanus, 2 1/4-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechsli, 4911 Quincy St., Chicago.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. Sprengerl, 2 1/2-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprengerl, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

Asparagus plumosus and Sprengerl plants ready for 2 1/2 in. pots, \$1.50 per 100. G. C. Lange, 2226 S. Meridian St., Indianapolis, Ind.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. S. S. Skideley & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengerl, 2 1/2-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2 1/2-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprengerl, can be shifted into 5-in., \$6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, \$2.50 per 100; \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 1/4-in., \$2 per 100; \$18 per 1,000. Joseph H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengerl plants. W. H. Elliott, Brighton, Mass.

ASPIDISTRAS.

Aspidistras, variegated, 15c per leaf. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

AZALEAS.

Azaleas, Mme. Van der Cruyssen, 6, 7 and 8-in., 75c to \$3. Simoa Mardner, 60c to \$1.50. Schryveriana, 75c to \$1.50. Vervaneana, 60c to \$1.50. Apollo, \$1 to \$1.25. Nobe, 75c to \$1.50. D. Perle, 75c. Empress of India, Helena Thielmann, 75c to \$1.50. Godfrey Aschmana, 1012 W. Ontario St., Philadelphia.

Azaleas, Empress of India, 75c, \$1 and \$1.50 each. Van der Cruyssen, 75c, \$1, \$1.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Azalea mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea mollis, 12-15 ins., 10 to 16 buds, \$25 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEDDING PLANTS.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. The Meredith Flower and Vegetable Co., Libertyville, Ill.

BEGONIAS.

Begonia, Lorraine, 2 1/2-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agathe, Turnford Hall, Betty Anderson, La Patrie, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

Begonia, fine transplanted stock ready for shipment. Vernon, scarlet; Luminosa, crimson; Gracilia Resea, light pink; \$1.25 per 100; by mail; \$8 per 1,000, express. Cash with order. Peter Brown, Lancaster, Pa.

Begonia Glory of Cincinnati, young shoots from base, \$15 per 100; \$140 per 1,000. J. A. Peterson, Cincinnati, O.

Begonia, Vernon, white and pink, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Begonia, Gloire de Lorraine and Glory of Cincinnati, \$2 per doz.; \$15 per 100; \$140 per 1,000. Vaughan's Seed Store, Chicago and New York.

Rex begonia, assorted, 3-in., \$5 per 100. The Dingee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Bush box, 12 ins., 30c each; \$25 per 100. Storrs & Harrison Co., Painesville, O.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, tuberose, true Dwarf Pearl, 1st size, 4-6 in., \$9 per 1,000; medium, 3-4 in., \$5. Gladolus, Mrs. Francia King, medium, \$17; Augusta, medium, \$16; America, medium, \$27.50; Kunderl "Glory" \$7 per 100; \$70 per 1,000; Florist XXX, mixed, \$15. Caladiums, esculentum, 5-7 in., \$15 per 1,000; 7-9, \$30; 9-11, \$55. Lillium album, 8-9, \$95 per 1,000. L. Rohrum, 9-11, \$80; L. auratum, 8-9, \$50; 9-11, \$30. L. giganteum, 250 or 300 to case, 7-9, \$65. Vaughan's Seed Store, Chicago and New York.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$9.50 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, tuberose, dwarf Pearl, 1st prize, \$1.10 per 100; \$9.50 per 1,000. Caladiums, 5-7 in., \$2 per 100; 7-9, \$3.50; 9-11, \$6 per 100. Begonias, dbl. separate, \$4 per 100; \$35 per 1,000. Gloxinias, separate colors, \$3.50 per 100; \$30 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs, Lillium Harrisli, 7-9, \$17 per case of 250 bulbs. White hyacinths, 12-15 ctms., \$18 per 1,000. Paper White Grandi, Narcissus, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lillium Harrisli. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Gladolus, Mrs. Francis King, 2nd size, \$12 per 1,000; 3rd size, \$8. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Gladolus, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lilies. E. S. Miller, Wading River, N. Y.

Bulbs, hyacinths, tulipa, narcissus, crocus, spirea, gladolus, peonies, etc. Van Zanten Bros., Hillegom, Holland.

Gladolus. I have a small surplus of named gladioli that I offer at reduced prices. Write for surplus list. LILLESAND, Cambridge, Wis.

Bulbs, begonia and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs. Surplus of L. Multiflorum, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, Dutch. W. J. Eldering & Son, Overveen, Holland.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crimson Bedder, Chas. Henderson, David Harum, Allemania, Shenandoah, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Cannas. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Cannas. For varieties and prices, see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Cannas, Chas. Henderson, 2 to 3 eyes, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Cannas. La Granja Farm, Donna, Texas.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CARNATIONS.

CARNATIONS.		
Strong, Well Rotted Cuttings.		
	Per 100	Per 1000
Washington	\$6.00	\$50.00
White Wonder	6.00	50.00
White Enchantress, pure white	3.00	25.00
White Perfection	3.00	25.00
Victory	3.00	25.00
Scarlet Glow	3.00	25.00
May Day, very fine	3.00	25.00

CHICAGO CARNATION CO.

A. T. Pyfer, Mgr., 30 E. Randolph St., Chicago.

FINE CARNATION CUTTINGS.

	Per 100	Per 1000
Victory	\$2.00	\$15.00
Winsor	2.00	15.00
White Lawson	2.00	15.00
Pink Lawson	2.00	15.00
Washington	6.00	50.00
Enchantress	3.00	25.00

WIETOR BROTHERS,

162 N. Wabash Ave., Chicago.

Carnations, White Wonder, Norwood, \$6 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Enchantress, Enchantress, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Rose Pink Enchantress from soil, \$24 per 1,000. Enchantress from soil, \$29 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, strong rooted stem cuttings, Victory out of sand, \$13 per 1,000; out of soil, \$20 per 1,000. Winsor, out of sand, \$15 per 1,000; out of soil, \$20 per 1,000. White Perfection, \$15 per 1,000. C. W. Ward, \$25 per 1,000. Washington, \$35 per 1,000; 100 at 1,000 rate. Cash or reference. Northwestern Floral Co., Gross Point, Ill.

ROOTED CARNATIONS from 2-in. pots, clean, vigorous stock; Enchantress, White Perfection and Victory, \$4 per 100; \$35 per 1,000. Winsor, White and Pink Lawson, \$3.50 per 100; \$30 per 1,000. Cash or reference. Elitch-Long Greenhouses, Denver, Colo.

Carnations, Washington, Bright Spot, \$6 per 100; \$50 per 1,000. Mrs. C. W. Ward, \$4 per 100; \$30 per 1,000. Sangamo, Dorothy Gordon, White Enchantress, Enchantress, White Perfection, May Day, Beacon, Scarlet Glow, \$3 per 100; \$25 per 1,000. A. C. Brown, Springfield, Ill.

Carnations, Rosette, \$12 per 100; \$100 per 1,000. Scarlet Glow, White Perfection, \$3 per 100; \$25 per 1,000. Bonfire, \$6 per 100; \$50 per 1,000. Rose P. Enchantress, \$3 per 100; \$25 per 1,000. F. Dornier & Sons Co., LaFayette, Ind.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000. White Wonder, \$6 per 100; \$50 per 1,000. Smith & Ganet, Geneva, N. Y.

Carnations, Washington, \$4 per 100; \$35 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000. Beacon, \$3 per 100; \$25 per 1,000. May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, W. Perfection, Winona, Mrs. Ward, Beacon, \$2.50 per 100; \$20 per 1,000. Victory, \$2 per 100; \$15 per 1,000. White Wonder and Washington, \$5 per 100. A. M. Herr, Lancaster, Pa.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y. Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward, White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnations, Beacon, White Enchantress, \$2.50 per 100; \$20 per 1,000. R. P. Enchantress, Enchantress, \$2 per 100; \$17.50 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Carnations, strong 2-in. stock, Mrs. C. W. Ward, Alvina Ward and Dorothy Gordon, \$3.50 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Carnations, rooted cuttings, White, Light Pink and Enchantress, \$20 per 1,000. Percy Jones, 56 E. Randolph St., Chicago.

Carnations, White Enchantress, \$25 per 1,000. Mrs. C. W. Ward, \$30. White Wonder, \$50. E. G. Hill Co., Richmond, Ind.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Cole, Kokomo, Ind.

Carnations, Wm. Swayne, Box 85, Kennett Square, Pa.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, R. C. White Bonaffon, \$1 per 100. Yellow Bonaffon, \$1 per 100. Merrill Newlin, dark pink, \$2 per 100. Chas. H. Kronsherg, Jr., 4818 Carter Ave., St. Louis, Mo.

SMITH'S CHRYSANTHEMUM BULLETIN.

Strictly first-class Stock from 2 1/4-in. pots. Clemantine Touse, Comoleta, Early Snow, Golden Glow, Monrovia, Mrs. H. W. Buckbee, Robert Halliday, Col. D. Appleton, Dr. Enguehard, Major Bonaffon, T. Eaton, Virland-Morel, Helen Frick, Mand Tenn, Venetta, White Bonaffon, Yanoma, Mrs. W. E. Kelley, Nagoya, \$3 per 100; \$25 per 1,000. Golden Wedding, Lynnwood Hall, Pres. Roosevelt, Intensity, W. H. Chadwick, White Helen Frick, Dolly Dimple, Winter Cheer, Golden Chadwick, Pickett's Crimson, Mrs. O. H. Kahn, Greevieve, Wm. Duckham, \$4 per 100; \$35 per 1,000. Chadwick Improved, \$5 per 100; \$40 per 1,000. We are now booking orders of the following for May delivery: Chrysolora, \$15 per 100. Smith's Advance, Unaka, Dick Witterstaetter, Thanksgiving Queen, Roman Gold, \$6 per 100. The foregoing are only a partial list of varieties we carry in stock. All others will be quoted on application. ROOTED CUTTINGS: \$2.50 per 100; \$17.50 per 1,000 for those quoted at \$3 per 100; \$3 per 100; \$22.50 per 100 for those quoted at \$4 per 100; \$4 per 100; \$30 per 1,000 for those quoted at \$5 per 100; 25 at 100; 250 at 1,000 rate. For colors and flowering season refer to our catalogue for 1912. This advertisement will be changed weekly to comply with stock on hand. ELMER D. SMITH & CO., ADRIAN, MICH.

CHRYSANTHEMUMS.

March 1st delivery.

Crimson.	R. C. Per 100.	Per 1,000.
Pickett's Crimson	\$2.50	\$20.00
Intensity	2.00	15.00
White.	R. C. Per 100.	Per 1,000.
Alice Byron	\$2.00	\$15.00
Touse	2.00	15.00
October Frost	2.00	15.00
Yellow.	R. C. Per 100.	Per 1,000.
Crocus	\$4.00	\$35.00
Golden Glow	2.00	15.00
Holiday	2.00	15.00
Maj. Bonaffon	2.00	15.00
Pink.	R. C. Per 100.	Per 1,000.
Pacific Supreme	\$2.00	\$15.00

J. D. THOMPSON CARNATION CO., JOLIET, ILL.

Chrysanthemums, Early Snow, Estelle, Golden Glow, Pacific, Supreme, Bonaffon, J. Nonin, Nagoya, rooted cuttings, \$1 per 100. Edward Wallis, Atco, N. J.

Chrysanthemums, Major Bonaffon, Standard yellow, every plant well rooted, \$1.50 per 100; \$12.50 per 1,000. Cash with order. Charles M. Weaver, Ronks, Pa.

Chrysanthemum Maximum perfectum (improved Shasta daisy), seedlings, \$5 per 1,000. The Geo. Witthold Co., Edgebrook, Chicago, Ill.

Chrysanthemums, 2 1/4-in. pots. For varieties and prices see advertisement elsewhere in this issue. Eli Cross, Grand Rapids, Mich.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums. Our collection of over 50 varieties cover all that is desirable. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums. Chas. H. Totty, Madison, N. J.

Hardy chrysanthemums, 2-in., \$2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Chrysanthemums, commercial varieties. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, Wm. Swayne, Box 85, Kennett Square, Pa.

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

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria Hyb. grandiflora, 6-in., 25c to \$1 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Brillantissima, 2-in., \$3 per 100; 3-in., \$4. G. Bedder, Verschaffelt, Queen Victoria, 2-in., \$2; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffelt, etc., \$2.50 per 100; \$20 per 1,000. Storra & Harrison Co., Painesville, O.

Coleus, Golden Bedder, Verschaffelt and standards, \$6 per 1,000. Giant leaved, \$2.50 per 100. A. M. Herr, Lancaster, Pa.

Coleus, 2-in., Pfister, red and yellow Beckwith's Gem, \$2 per 100. The Geo. Witthold Co., Edgebrook, Chicago.

Coleus. A. N. Pierson, Inc., Cromwell, Conn.

CYCLAMENS.

Cyclamens, 3-in. pots, \$10 per 100; \$80 per 1,000. Julius Roehrs Co., Rutherford, N. J.

CYPERUS.

Cyperus, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per doz. The Geo. Witthold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlia, a choice list of best novelties and varieties for cutting or garden use. True to name. Send for catalogue of dahlias, hollyhocks, hardy plants, etc. Prices reasonable. W. W. Willmore, Box 382, Denver, Colo.

Dahlias. For varieties and prices see advertisement elsewhere in this issue. The Geo. Witthold Co., Edgebrook, Chicago, Ill.

Dahlias, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias. For varieties and prices, see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlia, new and standard varieties. Bassett & Weller, Hammontun, N. J.

Dahlias. E. Stanley Brown, East Moriches, Suffolk Co., N. Y.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

DAISY HEADQUARTERS. We offer strong Mrs. Sander, the new large double white, 2 1/4-in., \$4 per 100; 2 1/2-in., \$5; 3-in., \$6. Soleil D'or, best yellow, 2 1/2-in., \$4 per 100; 3-in., \$5. Queen Alexandra, fine white, 2 1/4-in., \$4 per 100; 3-in., \$5. Immediate delivery. WEILAND & RISCH, 154 N. Wabash Ave., Chicago.

Marguerites, yellow, cuttings, \$6 per 1,000; 2-in., \$2 per 100. The Geo. Witthold Co., Edgebrook, Chicago, Ill.

Shasta daisies, 2 1/4-in., \$3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

DRACAENAS.

Dracena indivisa, 2-in., \$3 per 100; \$25 per 1,000; 7-in., \$1.25 each; \$15 per doz. Dracena Massangeana, \$1.25 each; 7-in., \$1.50 each. Dracena terminalis, 4-in., 35c each; \$4 per doz. The Geo. Witthold Co., Edgebrook, Chicago, Ill.

Dracena terminalis, 2 1/4-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston, 2-in., \$3 per 100; \$25 per 1,000; 3-in., \$1 per doz.; \$8 per 100; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz. Boston fern baskets, \$1 to \$2 each. Assorted ferns for dishes, 2-in., 40c per doz.; \$3 per 100; \$25 per 1,000. Cibotium, 7-in., \$2.50 each; \$30 per doz.; 8-in., \$3 each, \$36 per doz. The Geo. Witthold Co., Edgebrook, Chicago, Ill.

Ferns, Amerpohl, Barrows, Scotti, Elegantsima, Boston, Jackson, Sword and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2 1/4-in., \$4 per 100. The Dince & Conard Co., West Grove, Pa.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000; 2-in., 8 varieties, \$3 per 100; \$25 per 1,000. Cash, please. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/4-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/4-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/4-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechsli, 4911 Quincy St., Chicago.

Ferns. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Ferns, 4-in., \$12 per 100. Boston, Burrows, Elcgantissim. Also 2 1/4-in. Boston, \$3.50 per 100. Wagner Park Conservatoria, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, One, double flowers, the best of all, \$1 per 100; \$9 per 1,000. Prepared. C. Humfeld, Clay Center, Kans.

FIGUS.

Ficus elastica, 6-in., 50c each; \$6 per doz. Ficus repens, 2 1/2-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GERANIUMS.

GERANIUMS. Extra strong 2-in. stock for immediate or later delivery. S. A. Nutt, Jean Vland, Heard, Poltevine, Sam Sloan, Pettlen, single and double White, etc., etc., \$3 per 100; \$25 per 1,000. Cash or reference. Elitch-Long Greenhouses, Denver, Colo.

ROOTED GERANIUM CUTTINGS. Nutt, Grant, Poltevine, Buchner, for delivery March 15th to 30th, \$1.25 per 100; \$12 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, Nutt, \$11.50 per 1,000. Ricard and Poltevine, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums—For varieties and prices see advertisement on front cover of this issue. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poltevine, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Mme. Sallerol, 2 1/4-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens. Henry M. Robinson & Co., 46 W. 26th St., New York.

HARDY PLANTS.

HARDY PLANTS.

Hardy Native Ferns and Plants. Catalog for asking. L. E. Williams, Exeter, N. H.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

HOLLYHOCKS.—A fancy mixture of the Allegheny strain. Pure, clean seed, \$4 per lb. Why not grow your own plants? W. W. Wilmore, Box 382, Denver, Colo.

HOLLYHOCK SEED. Fancy mixed, single and double varieties. Write for our low price, stating quantity you can use. Elitch-Long Greenhouses, Denver, Colo.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, Albert De Lanx, Chieftain, Mme. Bruant, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otaksa, 6-7-in., 3 to 4 flowering stems, \$5 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea Otaksa, 2 to 7 heads, 6-in., 35c to \$1.50 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Parlor ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, German, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

English ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, M. Legraye, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandebek, nr. Hamburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lilies of the valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$17 per 1,000. Florists' Money Maker, \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3032-3040 W. Madison St., Chicago.

LOBELIAS.

Lobelias Kathleen Mallard, rooted cuttings, \$6 per 1,000; 2-in., \$3 per 100; \$25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

MUSHROOM SPAWN.

Mushroom Spawm. Lambert's Pure Culture. American Spawm Co., St. Paul, Minn.

NURSERY STOCK.

900 White Snowberry, 2 1/4 to 3 1/2 feet, \$5 per 100. 1,600 Golden Willow, 3 to 4 feet, \$4 per 100. 800 Buckthorn, 4 to 5 feet, \$5 per 100. Spirea Van Houttei, 2 1/4 to 3 1/2 feet, \$5 per 100. HENRY LAKE SONS CO., Nurserymen, Black River Falls, Wis.

NURSERY STOCK.

Hardy Native Ornamental Stock. Catalog for asking. L. E. Williams, Exeter, N. H.

Nursery stock, trees, shrubs and perennials. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Japan Maple, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Nursery stock, Ampelopsis Veltheil, Clematis paniculata, privet, shrubs, vines, bulbs, etc. Benj. Connel, Merchantville, N. J.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, ornamental trees and shrubbery. The Wm. H. Moon Co., Morrisville, Pa.

Evergreens. D. Hill Nursery Co., Box 404, Dundee, Ill.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Reigate, England.

Orchids, Cattleya and Laella Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$1.50 per doz. Veltheil, 4-in., 50c each; \$5.50 per doz.; \$5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

KENTIA BELMOREANA, 2 1/2-in. pots, 10-15 inches tall, four or more characterized leaves \$9 per 100 and worth the money. Jackson & Perkins Co., Newark, New York.

Palms, Phoenix Canariensis and Areca Sapida. For prices see advertisement elsewhere in this issue. The Kentin Nurseries, Santa Barbara, Calif.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock Co., Wyncoote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, transp. seedling, \$5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies, good strong divisions in mixed varieties, 5c. The Mosbak Greenhouse Co., Onarga, Ill.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. mixed and white, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5 1/2 and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIMULAS.

Primroses, Chinese, 5 1/4-in., \$2.50 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia.

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dinee & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 18 to 24 ins., 8 to 12 buds, 75c each; 24 to 30 ins., 12 to 18 buds, \$1 each; 30 to 36 ins., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 ins. named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

Rhododendrons, 75c, \$1 and \$1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROOTED CUTTINGS.

Rooted cuttings, verbenas, 60c per 100; \$5 per 1,000. Salvia, 80c per 100; \$7 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Giant dbl. Alyssum, 80c per 100. Ageratum, 60c per 100; \$5 per 1,000. Petunias, \$1.25 per 100; \$10 per 1,000. Pelargonium, \$2.50 per 100; \$22 per 1,000. Heliotrope, 80c per 100; \$7 per 1,000. Daisies, \$1 per 100; \$8 per 1,000. Feverfew, \$1 per 100; \$9 per 1,000. S. D. Brant, Clay Center, Kans.

ROSES.

ROSE MRS. TAFT (Antoine Revolve). We are headquarters for this grand rose. Large stock for immediate shipment. We quote own root, strong, 3-in. pots, \$10 per 100; \$85 per 1,000. Also offer MELODY, THE KILLARNEYS, RICHMOND, MY MARYLAND. Write for special prices. WEILAND & RISCH, 154 N. Wabash Ave., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

AMERICAN BEAUTY PLANTS.

40,000 Beauty plants, 2½-in. pots, \$6 per 100; \$50 per 1,000. American Beauty, bench plants, 1-yr.-old, \$6 per 100; \$50 per 1,000. Richmond bench plants, 1-yr.-old, \$5 per 100; \$40 per 1,000. Satisfaction guaranteed. Ready now.

GEORGE REINBERG,
162 N. Wabash Ave., Chicago.

GRAFTED ROSE PLANTS. Killarney, White Killarney and Richmond, choicest stock from flowering wood, grafted on selected English Manetti. Order must come quick to insure delivery. Cash or reference. Elitch-Long Greenhouses, Denver, Colo.

ROSES.—Fine healthy stock. White and Pink Cochet, Souv. de P. Notting, Apricot, Clo. Soupert, Gruss an Teplitz, Sunrise, Franc Deegan, Wellesley, Mrs. B. R. Cant and Climbing Soupert, 2-in., \$3 per 100. Wagoner Park Conservatories, Sidney, O.

ROSES. Own-root. My Maryland, Pink Killarney, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2½-in. pots, \$5 per 100. J. L. DILON, Bloomburg, Pa.

Kaiserin roses, 2-year-old, field-grown, in 4-in. pots, ready for bench, \$12.50 per 100. Cash. Mrs. Jos. Bock, Burlington, Iowa.

Roses. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Ramblers, hybrid teas, hybrid perpetual, dwarf polyanthas, Standarda and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

ROSES. Send for New Trade List just out. THE CONARD & JONES CO., West Grove, Pa.

Roses. Eastern Nurseries, 1090 Centre St., Jamaica Plain, Mass.

SEEDS.

SOW NOW if you want them for early Spring sale.

	6 tr.	Tr.	Pkts.
Begonia Bedding Queen, finest pink	\$2.50	\$0.50	
" Gracilis lumbosa, finest red	2.50	.50	
" Triumph, finest white	2.50	.50	
O. V. Zangen,			Hoboken, N. J.

ORIENTAL POPPY SEED. Five pounds or less. Write for our low price, stating quantity that you can use. Elitch-Long Greenhouses, Denver, Colo.

Seeds, sweet peas. Burnett Bros., 72 Cortlandt St., New York.

Choice, unsprouted onion sets, yellow, \$1.70; white, \$2 per 32 lbs. Bushel sacks included. Slula Seed Store, 544 W. 63rd st., Chicago.

Seeds, specialties, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurst, Mullica Hill, N. J.

SMLAX.

Smlax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

VERBENAS.

Verbenas, 5 colors, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VINCAS.

Vincas, 2-in., \$2.50 per 100; 3-in., \$5; 4-in., \$2 per doz.; \$15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca variegata, 2½-in. pot plants, \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinca variegata, fine, strong, 2½-in., \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinca Minor, field-grown stock, 4c. The Mosbæk Greenhouse Co., Onarga, Ill.

Vincas, rooted cuttings, very strong, \$1 per 100; \$8 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

Vinca, new golden (minor aurea), 3-in., \$2 per doz.; \$15 per 100. Wm. Tricker, Arlington, N. J.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Richardson Greenhouse Boilers. Richardson & Boynton Co., 31 W. 31st St., New York, 66 E. Lake St., Chicago, 51 Portland St., Boston, 1107 Arch St., Philadelphia.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-dura frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, 1 to 2-in. thick, random or specified widths, 10 to 16 feet. William-Kuny Mill and Lumber Co., Mound City, Ill.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Steel and iron work. Scully Steel and Iron Co., Chicago and New York.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Insecticides, Aphine, \$1 per quart; \$2.50 per gal. Fungine, 75c per quart; \$2 per gal. Aphine Mfg. Co., Madison, N. J.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

GUTTERS.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, Sixth and Berk Sts., Philadelphia.

INSECTICIDES.

Spray with K's "Fermentizo" best insecticide. Ask for K's Sprayer. J. Kopcsay, South Bend, Ind.

Tip Top Brand Tobacco Powder, \$3 per 100 lb. bag. Interstate Tobacco Co., 713 1st Ave., New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, holders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, holders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

MISCELLANEOUS.

Ribbons and Chiffons. Wertheimer Bros., 565 Broadway, New York.

Baskets, see advertisement elsewhere in this issue. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Greenhouse glass. Baur Window Glass Co., Easton, Ind.

Florists' Supplies. Henry M. Robinson & Co., 46 W. 26th St., New York.

POTS, PANS, ETC.

Flower pots and hotbed sash. Good second-hand pots, 2¼ to 6-in., also good strong hotbed sash. If interested write The Mosbæk Greenhouse Co., Onarga, Ill.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gillead Tile & Pottery Co., Mount Gillead, O.

Florists' red pots. The Peters & Reet Pottery Co., South Zanesville, Ohio.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.


Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.



THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120 page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

Nashville, Tenn.

All thought of the florists is now turned to the Easter trade which promises well for everybody. Most of the growers will have their stock in exactly right and there is no doubt that there will be a fine trade. All the bulbous stock is at its best and will go far toward filling all desires on Easter day. The floral windows are a mass of bloom of the richest coloring, and within are large stocks of everything in the way of blooming plants.

NOTES.

Haury & Sons are well prepared to meet the demand with a large supply of lilies, potted stock and cut flowers. Roses are on just in time but carnations are off a little. For some time past they have made a fine window display using a very simple device which is very effective. Using an ordinary cane of the fishing rod variety at each joint there is cut a slanting notch and in each of these notches a blossom is placed, a carnation or jonquil or tulip, and then the canes are placed at intervals around the windows. The effect is very pleasing and decorative, giving the effect of a floral curtain all the way across the window. They have a fine supply of baskets on hand and have plenty of plants to fill them beautifully.

The Joy Floral Co. say they never had better stock nor more of it. They have all kinds of roses, Killarney, both white and pink, American Beauty, Richmond and others. Carnations are not so plentiful and lily of the valley and violets are scarce. Roman hyacinths, narcissi, and lilies will be plentiful and there will be an abundance of potted plants including rambler roses, rhododendrons, lilacs, spireas, cinerarias, tulips, lilies, hyacinths and narcissi as well as ferns and foliage plants and a fine stock of baskets decorated with plants, for which there is always a large demand.

Geny Bros. have a magnificent stock. Lilies are in fine condition and sufficiently plentiful to supply all demands and were never better, while bulbous stock is abundant. Carnations and roses will be somewhat scarce. Potted plants are fine and include azaleas, spireas, cinerarias, hyacinths, tulips and narcissi in the greatest plenty. The stock of baskets is unsurpassed and the simplest or most fastidious taste can be suited.

McIntyre Bros. are always in the forefront with Easter flowers. Will McIntyre and his brother Dan have charge of and still use their stall in the market house and will have a fine display there all week. They are much crowded for room and will try to get into their new place as soon as possible. Lilies, Lorraine begonias, spireas, cinerarias and plenty of bulbous stock of the finest quality are ready for Easter sales. M. C. D.

ALBANY, N. Y.—Fred A. Danker was chosen president of an association of citizens residing along the Schenectady road for devising local improvements.

SPRINGFIELD, O.—George Rankin, who has been superintendent of the Leedle Floral Co. for a number of years, has accepted a position with Peter Henderson & Co., New York.



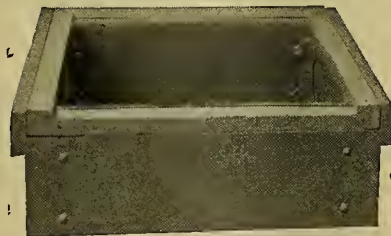
16 for \$13

Sixteen all cypress frames in three different sizes, every one of them bolted together with cast iron cleats. Made just the best we know how.

10 Single Plant Frames, 11½ x 13 inches.
2 Single Row Frames, 34½ x 13 inches.
4 Junior Melon Frames, 19½ x 20½ inches.
The 16 for \$13. Shipped knocked down.

The Melon and Single Row Frames each have moveable sash—the single plant, slidable glass set in grooves; Every one has the iron corner bolted cleats. No nails used. Painted one coat best lead and oil. Handiest thing ever to boost your garden along. You have always wanted some melon and cuke frames—now here's your chance and at the price that you would have to pay for the wood and glass alone. Those cast iron corner pieces alone would cost you 10c apiece—then there's the wood, the glass, the painting, and the labor. While you were making two we would turn out two hundred—that's why we can sell them so surprisingly cheap.

Order at once—warm weather is due—freight shipments are slow.



Junior Melon Frame, 19½ x 20½ inches,
5 for \$4.40, or 10 for \$8.50.
Standard Size Melon Frame, 22½ x 25½ inches,
Price: \$1.25 each; 10 for \$12.00.

Lord & Burnham Company,

SALES OFFICES:

New York
St. James Building
Boston
Tremont Building

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Franklin Bank Building
Chicago
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FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Mention the American Florist when writing

GREENHOUSES.
 MATERIAL FURNISHED
 AND
 MEN TO SUPERINTEND
 ERECTION IF DESIRED.
CYPRESS SASH BARS
 ANY LENGTH UP TO 32 FEET LONGER.
 THE STEARNS LUMBER CO.,
 NEWTON, BOSTON, MASS.

Northern Indiana Florists' Association.

The Northern Indiana Florists' Association was incorporated in July, 1910, under the laws of the state of Indiana with W. W. Dederich of Warsaw as president. The home of the society is Winona Lake, where the annual meetings at which the election of officers is held in July, the quarterly meetings being held in the different cities where the members reside. The next meeting will be held April 17 at Kokomo, the invitation being extended by Walter W. Coles.

The membership of the association is 40 and additions are being made constantly, the membership fee being one dollar and the dues one dollar a year. At the election last July J. D. Connor, Jr., of the Connor-Ulch Floral Co. was elected president. One of the features of the association is the exchange, where at each meeting the needs and the surplus of the members are reported, so that they can buy of each other, resulting in mutual benefit.

A. J. WAGONER, Sec'y.

Boulder, Colo.

The trade has been good all winter and the demand at nearly all times has exceeded the supply, so that regular shipments have been received for other points. The winter has been unusually cold and dark and is still so, causing considerable anxiety over the Easter stock, which is, however, coming in all right. Lilies have been slow, and although rather short, will be in on time. Other bulb stock is fine and it looks as if the supply would equal the demand. The indications are for a good Easter trade and 1912 bids fair to be a banner year. Outside work is very much delayed on account of the weather and it will probably come with a rush as soon as weather permits.

NOTES.

S. Knudsen of the North Boulder Greenhouses has picked unusually fine violets this winter, shipping many to Denver.

Charles F. Fawcett will have a full crop of fine violets for Easter as well as a good lot of other stock. F.

Lancaster, Pa.

The Lancaster City and County Florists' Association which was organized December 12, 1911, meets the third Thursday of each month. June, July and August, excepted, in the Chamber of Commerce. The officers are Albert M. Herr, president; Elmer Weaver, vice-president; L. Landis, secretary; Harry Rohrer, treasurer. The meetings have been well attended and much enthusiasm has been shown by the members. At the meeting to be held April 18 Charles Weaver of Ronks will read a paper on "Sweet Peas," and on May 16 a paper on "German and

FLORISTS' Refrigerators!

DOES your rapidly increasing business require an attractive ice box? If so write us, we are manufacturers and can quote you on Ice-Boxes of every description.

Buchbinder Bros.

Long Distance Phone, Monroe 5616.

518-520 Milwaukee Ave., CHICAGO

Catalogue Illustrations

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustrations. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock.

PRICE FOR CASH:
Only 15 cents per square inch.

The American Florist Co.
440 S. Dearbo. St., CHICAGO.

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY—
WRITE FOR FIGURES.

327 Plymouth Place, CHICAGO

French Bedding as Compared with American" will be read. Exhibitions of flowers are held in conjunction with the meetings and enthusiastic growers are solicited to forward sweet peas and other seasonable flowers to the April meeting and the exhibit at the May meeting will be of pot plants and flowers. All shipments should be made to H. A. Schroyer, Lancaster, Pa., who will see that the exhibits are properly displayed.

KANSAS CITY, MO.—The W. L. Rock Flower Co. have extended an invitation to its friends and patrons to attend the opening reception at the new store, 1106 Grand avenue, between the hours of 10 a. m. and 9 p. m., Monday, Tuesday and Wednesday, April 1-3.

PHILADELPHIA, PA.—At the meeting of the Germantown Horticultural Society held March 11, premiums were awarded for azaleas, cinerarias and window plants. A paper was read by Miss Sallie Johnson entitled "Tropical Gardens I Have Seen on a Tour Round the World."

DENVER, COLO.—The annual flower festival was held in the Garden of Elitch on the afternoon of Sunday, March 31, from 1 to 5 o'clock, and invitations were extended by Mrs. Mary Elitch Long to attend and view the Easter and spring flowers.



Don't Be a Kicker It's a Long Eared Habit.

Terse Talk No. 2.

THOSE in a position to best know both human and animal history, state that "the habitual kicker, in the end, generally gets kicked; and that the worst kickers generally have the longest ears."

These very same long-eared friends of ours, are always kicking about "the bottom having fallen out of the market," and that "business isn't what it used to be." That "there are too many in the business." "Wall Street isn't buying stocks, so it won't buy roses." Year after year they hand out that same old drivel always kicking.

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Next Week's Terse Talk About Some Men Who Would Rather Crawl Through The Fence Than Walk In By The Gate.

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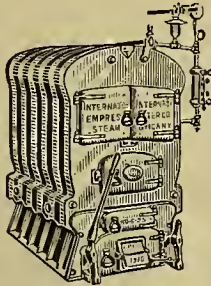
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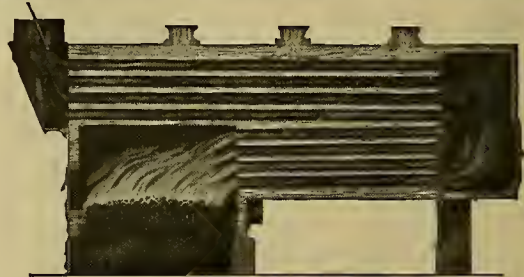
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SEE PAGE 662.



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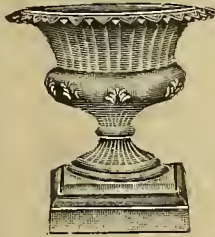
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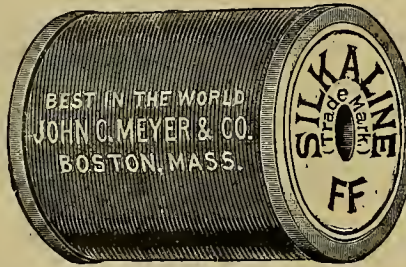
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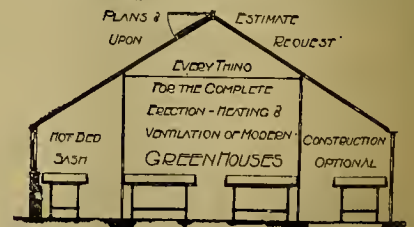
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Vol. XXXVIII.

CHICAGO AND NEW YORK, APRIL 13, 1912.

No. 1245

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TWENTY-SIXTH YEAR.

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BUDDING KNIFE FREE.

See Page 741.

Soils.

Paper read by Alfred Burton before the Flo-
rists' Club of Philadelphia, April 2, 1912.

What is soil? Soil is the home of
the roots of the plant. Soil is the
storehouse for that part of the food
which the plant takes in through its
roots. Soil is the laboratory or kitchen
where the food is prepared. And this
work goes on unceasingly. Lastly soil
is a support to hold the plant firmly
in its place.

But what is soil? Soil is finely di-
vided rock as can be readily seen with
a microscope. Clay being the finest
and sand and gravel the coarsest of
the divisions. In between the sand and
the clay, we have what are generally
known as loamy sand, sandy loam,
loam, clayey loam, loamy clay and
clay. These divisions are based upon
the size of the soil grains and the
different percentages of each size in a
given soil. They are, of course, not
arbitrarily fixed, there being unnum-
bered variations of soils.

Now if we consider soils as broken
and decomposed rock, the first ques-
tion that comes to our mind is, how
and when were the rocks which origi-
nally covered the face of the earth
converted into soil? Certainly ages and
ages before man appeared on the earth.
In fact before animal life of any kind
could exist there must have been vege-
tation; and vegetation of the higher
forms could not exist on bare rocks.
Probably the commencement of the dis-
integration was coincident with the ap-
pearance of plant life in the lowest
form.

Geologists tell us that the earth was
once a molten mass, also that the water
which now composes the oceans, was
probably in the form of a dense vapor
which surrounded the red hot earth.
Naturally, the earth began to cool, and
as it cooled, it contracted. The result
of this was that the surface subsided
in some places and wrinkled in others,
thus producing the sea basins, valleys
and hills. When the surface had cooled
sufficiently (and this cooling was hast-
ened by the vapor in the air) the
vapor condensed and fell as rain or
snow, and thus began to wear or
weather the rock. Frost and heat as-
sisted the water in disintegrating and
breaking up the surface. Sometime
after the surface had cooled sufficiently
vegetation began its existence. First

in almost microscopic forms, the
mosses and lichens which are able to
extract nourishment from almost any
rock. These by their death and decay
formed a very thin film of vegetable
matter on the rock and a stronger
growth took place which in turn died,
decayed and gave way to a still strong-
er and higher form of vegetation, and
so on till grass, shrubs and even trees
were able to exist. This decayed vege-
table matter in the soil is called humus.
And this humus helps to disintegrate
the rock by holding moisture and by
supplying acids which increase the sol-
vent powers of the water on the rock.
When a soil contains much of this
humus, it is called a vegetable mold.
Rich garden soils are good representa-
tives of this class. A soil that con-
tains vegetable matter that has only
partly decomposed under water is
called peaty soil. Such soils are found
in swamps and bogs and are generally
sour and need to be aerated and limed
before using.

While organic matter or humus is by
no means indispensable to plant life,
and though it is a debatable question
whether plants derive any nourishment
from it direct, it is of great importance
in enabling the soil to hold water, in
making the soil more friable and easily
worked, and in supplying carbonic acid
which feeds the plant, and acts on the
soil, dissolving and making available
other foods such as soda, potash and
magnesium which are held in an in-
soluble state in the soil. Humus also
gives the dark color to the soil which
enables it to absorb the heat rays of
the sun more rapidly and thus warm
up more quickly in the spring.

True clay is composed of silicate of
alumina, but the term clay in agri-
culture is employed rather loosely,
being given to soils that contain a
large percentage of impalpable rock
dust with very little of the true clay
present. Some authorities give the fol-
lowing percentage composition of the
various soils:

	Impalpable matter per cent	Sand per cent
Heavy clay contains.	75-90	10-25
Clay loam	60-75	25-40
Loam	40-60	40-60
Sandy loam	25-40	60-75
Light sandy loam	10-25	75-90
Sand	0-10	90-100

These percentages are by weight of
the dry soil. We hear the terms light
and heavy applied to soils. These terms

have no reference to the weight of the soil but are used in reference to the mechanical condition. A light soil is one that contains considerable sand, falls apart and works easily. A heavy soil is one that is stiff and tenacious, with more clay than sand. It is a fact that a heavy soil actually weighs less than a light one.

A tenacious or adhesive clay soil can be greatly improved by the addition of sand, lime or vegetable matter, which tend to separate the particles of clay. It is this adhesiveness of clay which causes heavy soils to crack when drying. Clay expands very much more than light soils when wet and shrinks upon drying, and owing to the adhesiveness of the particles of which it is composed, the shrinking causes the cracks to appear. These cracks are naturally injurious to the roots of the plants, breaking and pulling them apart. Sand does not change its bulk by wetting or drying. Likewise a sandy soil can be improved mechanically by the addition of clay, lime or vegetable matter. Lime has the peculiar power of lightening heavy soils and also of making light soils hold together better, bringing the two extremes to a happy mean, as it were.

The general chemical composition of soils is extremely similar, owing to the general mixing of the soil ingredients that has been going on since soil first began to form. Through the action of water dissolving and carrying material from place to place, through the action of streams, floods and glaciers, of burrowing animals, worms, etc., of the wind and even plants. Silica or quartz, because it is so hard and insoluble, is the chief ingredient both by volume and weight of all soils. It is a combination of silicon and oxygen. Aluminum probably comes next in abundance, being a fundamental constituent of true clay, feldspar and ice mica. Some of the other elements in the soil are oxygen, which occurs free and in combination with nearly all the other elements. Carbon occurs as part of the humus, also united with calcium and magnesium in the form of carbonates; also as carbonic acid gas which plays such an important part in the solution of plant food. Sulphur occurs as sulfates. Hydrogen is united with oxygen in the water. Chlorine occurs in limited quantities generally in the form of common salt sodium chloride. It seems to be in some way essential to plant life. Phosphorus is never found in nature in a free state but always combined with some other substance. It is very generally distributed through the soil but in small quantities and is very essential to plant life. Nitrogen is found in the soil in a combined form in the humus and the vegetable and animal matter, which upon decaying give up the nitrogen in the form of ammonia, which is turned into nitric acid by bacteria. The nitric acid unites with potash, soda or other soil ingredients and is taken up by the plant as a nitrate. Nitrates are extremely soluble and easily washed out of the soil. Calcium and magnesium in the form of carbonates compose the limestone beds of the earth. Both calcium carbonate (or lime) and magnesia are necessary plant foods, and both are generally present in the soil in sufficient quantities to supply the plant with the required amount. Potassium is another element found in soils which is very necessary. It is widely distributed as a constituent of some feldspars and micas. Sodium, which is the base of

common salt, is also widely distributed; it very much resembles potassium as a chemical element, but can in no sense take its place in plant life. Iron is always present in the soil in sufficient quantities for the plant.

It would be supposed, that to find what foods were necessary for soils, all that would be necessary would be a chemical analysis of the particular soil. Then if any element was found to be lacking in sufficient quantity, the addition of this or these elements would give the desired results. But chemical analyses of the soil as they have been made, unfortunately can and do throw but a very dim and uncertain light upon either the condition or the amount of plant food a soil may contain.

It is true that the results of these



Alfred Burton.

analyses show a marked difference in soils, but from the data at hand, these variations may reasonably be supposed to be due more to the relative size of the soil grains than to any chemical differences in the composition of the soil. Taking an average of different analyses of soils, the following has been stated by one writer. On a farm where a three year rotation composed of corn, clover and oats was followed, the corn and oats being sold, and the straw, fodder and clover returned to the ground, the soil would contain potash enough to last 1521 years, soda 4050 years; magnesia, 3300 years; lime, 4367 years; phosphoric acid, only 542 years; sulfuric acid 292 years, and soluble silica 17,650 years. These amounts of plant food are what chemical analyses have told us were in the top foot of the soil, and we know that plants send their roots foraging two, three and four feet down. And the subsoil is sometimes richer in certain ingredients than the surface or top soil.

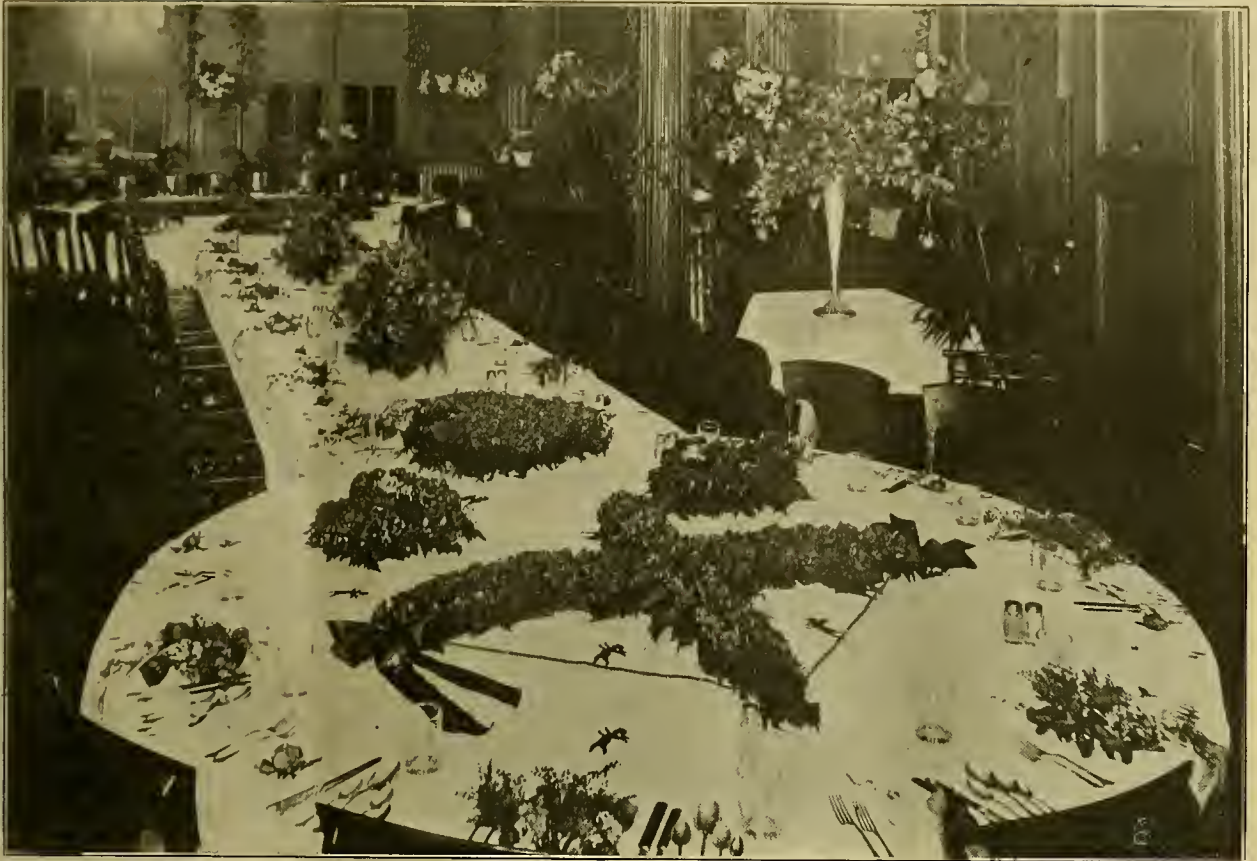
Seeing these figures, a man taking up farming who was not familiar with agricultural or horticultural pursuits would think it superfluous to add any more of these elements to his ground. When his fields contained already nearly two tons P_2O_5 in each acre and over three tons K_2O , of what earthly use would it be to add a paltry 25 or 50 pounds more? Why it would be lost. A chemist with the most accurate and careful analyses could never find it. It would be money thrown away. But we

know from practical experience that ninety times out of a hundred his crops would be increased more than enough to pay for the manure or fertilizer added. We know that in spite of these figures, which there is no reason at all to doubt, soils do need fertilizing, they do play out, that farms do run down and become unproductive. And only by feeding can the soil be kept up to its full fertility. So we cannot be governed by a chemical analysis as to the different elements our soils need. The only way is by trials, experiments and careful observation.

The most important thing in considering a soil, to my mind is the mechanical condition. Is it too stiff or too light for your purpose? Has it enough humus or organic matter incorporated in it? The proportions of clay, loam and sand can be readily ascertained in a laboratory with a simple apparatus, the percentage of humus can also be ascertained by analysis. But a practical man can judge a soil very closely by feeling it and observing how it works. Fortunately for the florist, he uses a comparatively small amount of soil, measuring it by the load instead of the acre, and can afford to amend or ameliorate his soil and so change its mechanical condition to suit his particular needs. In all probabilities, the greatest necessity will be humus. The cheapest way to add this is by plowing under a growing crop. Legumes are always preferable for green manuring as it is called, because they increase the amount of nitrogen in the soil and nitrogen is the most expensive element of plant food we have to buy. It is well to lime the soil before sowing a crop to be turned under, as adding a large quantity of green material is apt to sour the soil for a little while, also the legume family do better in soil that contains lime. It seems to be necessary for the proper development of the bacteria which cause the nodules to appear on the roots of clover and the other legumes.

Soils, generally, have the power of fixing the plant food added to them. By fixing, we mean holding the food in such a state that it cannot be washed out by the rain. This is true of phosphoric acid and potash, but nitrogen is very easily lost by leaching in the form of nitrates and under certain conditions escaping into the air as free N. The best way to hold the nitrogen is to keep the fields filled with growing crops, catch crops as they are called. These make use of the nitrogen and return it to the soil when plowed under. But it is only the clovers and others of that family that add more nitrogen than was originally in the soil. Clays hold the plant food more firmly than sandy soils, and the same is true of moisture. Humus also helps to hold the moisture by absorbing it in the same way a sponge does, while clay holds it by surrounding it as though it were in a cup.

Oxygen or fresh air is very necessary to the soil to promote the growth of the innumerable bacteria that are always present in a fertile soil and to assist the chemical reactions that are continually going on. When the water in soil evaporates or is used by the plant, air rushes in to take its place. When more water is added, air and any injurious gases which may have been formed are driven out, and when this water is gone more fresh air is taken in. Also fresh air is taken into the soil at night. When the evening comes on, the soil cools and shrinks



ST. VALENTINE'S TABLE DECORATION BY McINTYRE BROS., NASHVILLE, TENN.

and air is drawn in to fill the vacant spaces. The opposite occurs when the soil grains expand with the heat in the morning. So you might say that the soil takes a breath once every twenty-four hours.

Propagating Shrubs in Spring.

ED. AMERICAN FLORIST:—

Will you kindly inform me if cuttings of dormant or even started shrubs such as *Hydrangea paniculata grandiflora*, *H. aborescens*, *Sambucus nigra aurea* and also roses can now be cut and planted in rows, cultivated like ordinary fruit and vegetable plants and give good rooted plants by June 15?

New York.

S. E. U.

The hydrangeas cannot be propagated from hardwood cuttings; they are usually increased by cuttings made of the half-ripened growth in summer. The *sambucus* also is not easy to root from hard wood, it being so full of pith, cuttings, may be made of half-ripened growth in summer, or root cuttings may be made, taking pieces of the stout roots about three inches long, planting them in drills in the open ground where moisture is secured in summer. Roses are sometimes increased from hard ripened wood such as prunings. The *Ramblers* are the easiest to root in this way. None of the above, if they would root from dormant wood, could be called good rooted plants by June 15, October 15, or at the end of the growing season outside would be the nearer date, and then such are not fit to sell until transplanted and grown another year in rows. "S. E. U." should get Bailey's "Nursery Book," which contains much valuable information as to propagation of all plants.

E. O. O.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

St. Valentine's Table Decoration.

The beautiful and elaborate table decoration, which we illustrate, was arranged by McIntyre Bros. for the Hermitage Club, the leading social club of Nashville, Tenn., for a recent dinner. The tables were thirty feet long and at either end was a large circular table, one six feet and the other fourteen feet in diameter. It was a St. Valentine's table and the color scheme throughout was red, and over three thousand carnations and roses were used. The bow on the larger round table was ten feet long, made of red carnations, as were also the hearts, of which there were six, with centerpieces of Richmond roses. Large vases of Richmond roses and one of four dozen American Beauty roses were used on the side tables. On the plate rail were blooming potted plants, while all woodwork was decorated with southern smilax and palms, which completed one of the most elaborate decorations of the season. The ladies' bouquets were of violets and lilies-of-the-valley, and each gentleman was provided with a Richmond rose.

M. C. D.

Easter in Chicago Stores.

"The finest Easter ever" is the way one of the storemen expresses himself in regard to the trade of Easter 1912 in Chicago, and it certainly looked that way on Saturday when there was hardly room enough to move around among the jostling crowd that filled the stores and on Sunday morning when automobiles and teams and an army of boys

were delivering the plants and boxes. All the stores report a splendid business and an increase in the trade of a year ago, and everything seemed to favor an enlarged sale, the weather was all that could be desired, with the exception of a few minutes on Saturday when an electrical storm accompanied with very high wind passed over the city, but this soon cleared away and trade was resumed. The stores had an immense stock and there was an exceedingly large supply of cut flowers to draw from at the wholesale market and there were buyers from many of the stores in the market as soon as it was opened to replenish the lines that had been sold out. There was also a grand supply of splendid plants and these were displayed in an elegant manner, and the sales of plants was something enormous for there were but few left of the large stock in any of the stores.

A. Lange, on East Madison street did an immense business, the store was crowded on Saturday afternoon with patrons making their selection from the large stock of elegant plants and superb flowers, and the clerks were rushed to the top notch attending to their wants. The stock of cut flowers embraced everything in the market and there were beautiful plants of hydrangeas, azaleas, rambler roses and bulbous stock of all kinds.

John Mangel had a very extensive line of plants of all kinds and the best of cut flowers in the two stores on Monroe street, and the store on the corner was so full Saturday afternoon that one could hardly turn around. Large azaleas and hydrangeas were a great feature and the sale of the handsome plants was enormous, and there was hardly enough left of the immense

stock to properly decorate the store on Monday morning. A most satisfactory business was the report of the trade at the two stores.

The Fleischman Floral Co. displayed a large and varied line of plants and flowers which filled the store to overflowing. A large stage had been erected and this was filled with the finest specimens of plants and plant baskets,

that were arranged with the finest taste were a great feature and were duly appreciated by the patrons.

John T. Muir reports a most satisfactory trade at both stores, which were filled with elegant specimens of azaleas, hydrangeas, roses, a splendid lot of lilies as well as large quantities of finely grown bulbous stock, tulips, narcissus and hyacinths being shown in pro-

of well grown plants artistically put up in the best manner as well as a large assortment of the finest flowers in the market.

At the George Wittbold Co.'s houses on Buckingham place, the large show house running parallel with the street was filled with beautiful blooming plants that attracted many visitors in that fashionable neighborhood. Louis Wittbold and his force of assistants had all they could handle during Saturday and Sunday, working late and early and a very large and satisfactory business was reported by the proprietor.

The proprietors and all the force were a tired looking lot on Monday morning, but it was with pleasant faces that they greeted the visitors who called, for one and all realized that the business was far in advance of previous years, but it will take a little leisure to figure what is the percentage of gain, but all agree that the conditions were all that could be desired and the business was as large as could be well done.

Easter Trade at Washington.

Weather and other conditions were favorable to trade and it probably exceeded that of any previous year. There was on hand an immense stock of plants of all grades, and Friday and Saturday were particularly favorable days for pushing such stock, the weather being fair and warmer with no difficulties in transportation. There was a great sale of lilies, such as they were. We do not infer that there was no good ones, but an immense amount of lily stock was short and scrawny and some of the flowers were a fair imitation of paper lilies.

By all odds, the finest and most attractive of any single plants sold were the large pink and white Pearl rhododendrons. Some of these were very large, being in 14 or 16-inch pots and were features for any storekeeper to be proud of. Judged by beauty and attractiveness, they were well worth the retail price of \$25.

Other good sellers were the various rambler roses, Lady Gay, Dorothy Perkins and Crimson Rambler. Novelties in the way of baskets were among these roses. Some of the standard roses



GOVERNMENT BULB FARM AT BELLINGHAM, WASH.

the latter being a very prominent feature, and on Sunday morning the autos had all they could do to make the large number of deliveries on time.

The Bohannon Floral Co. showed a large and varied line of rambler roses in different forms and colors that were splendidly grown and admirably displayed, beside a large assortment of beautiful azaleas and other Easter stock. The proprietor and his assistant, H. E. Klunder, had their hands full waiting on the trade Saturday and Sunday, and it was early rather than late when the stock had been made ready for delivery on Sunday morning.

The Alpha Floral Co. report a very large business both in cut flowers and plants, the supply of the former being sold out on Saturday night and an early visit to the market was required on Sunday morning notwithstanding that it was in the early morning, before the Saturday business was completed.

Canger & Gormley were well satisfied with their Easter trade which was better than last year. The plant sales were very large and the call for combinations in baskets completely depleted the large and beautifully arranged stock.

C. A. Samuelson's store was a complete spring flower show, for not only the store but the greenhouse in the rear was filled with magnificent plants. Rambler roses, hydrangeas, genistas, with a large quantity of lilies and beautiful ericas greeted the eye, and the plant baskets were beautifully arranged and the trade in them was very large.

W. J. Smyth displayed an assortment of plants and flowers that would be hard to surpass. The finest azaleas, hydrangeas, rambler roses and lilies filled this beautiful store which was artistically decorated with southern smilax, hung with Florida moss. Plant baskets

fusion in boxes, baskets and pots all harmoniously decorated.

H. C. Rowe had a beautiful assortment which was so large that a temporary store had to be engaged to display the splendid line of plants and plant baskets, and a very large and satisfactory business was transacted is the report.

The Adams-Robertson Co. report a business that exceeded all expectations in the new store on Rush street, and they displayed a beautiful assortment



GOVERNMENT BULB FARM AT BELLINGHAM, WASH.



GOVERNMENT BULB FARM AT BELLINGHAM, WASH.

were trained as parasols and were popular. Well flowered azaleas, both large and small, sold well, as did also hydrangeas, of which the stock was enormous; Baby Rambler roses and hyacinths in pans, daisies in pots, lilac and spiræas, particularly the pink, were slow. "Pink" for this spiræa is a misnomer, as it is neither a good pink nor any other good color.

While as above mentioned in the case of the rhododendrons, good prices were paid for exceptionally fine stock, it is doubtful if the aggregate returns for a given quantity of stock was equal to that of last year. The trade with the working people was injured to some extent by a number of grocery stores all over the city stocking up with plants.

J. H. Small, a veteran florist, said that more people were buying this year, which coming from a man of life-long experience, corroborates our belief that each year the trade is expanding.

A. F. F.

Scale on Ferns.

ED. AMERICAN FLORIST:—

Will you inform me what will kill scale on ferns?
Illinois.

Scale are the most troublesome insects with which the grower of ferns has to contend. Fronds that are thickly infested with brown scale should be picked off and burned. The young scale can be killed with nicotine solution, but this must be thorough enough to be sure and cover the insect and will require several applications to eradicate them.

W.

Government Bulb Farm, Bellingham, Mass.

In order to demonstrate whether hyacinth, tulip, narcissus and crocus bulbs, the importation of which from Holland and other European countries has constantly increased and this year amounted to more than a million dollars, could be successfully grown in this country, the Secretary of Agriculture, in 1908, leased a tract of 10 acres on Puget Sound near Bellingham, Wash., and erected thereon the buildings necessary to conduct the experiment. On this tract that year were planted 175,000 bulbs, and the increase has been very gratifying, for this year the planting was 860,000 bulbs, some of the beds of which we illustrate, this yield being the maximum number of young bulbs which were equal if not superior to those grown in Holland. As a test 50 of these bulbs were grown side by side with Holland bulbs of the same varieties; those from Bellingham bloomed seven to ten days earlier, the flowers were of better size and color and the bulbs were free of disease, while of the imported bulbs a number were diseased and many failed to produce a flower.

It is believed that bulbs can be grown on the Pacific coast that will in many ways surpass the imported article. The chief obstacles are the cost of production and marketing, but an effort is being made to overcome the difference in the cost of labor by the invention of appliances and the use of horses to replace the operations performed by hand in Europe. The expense of freight shipments across the country are a serious drawback, but upon the completion of the Panama

canal it should be possible to deliver bulbs at New York as cheaply as they can be brought from Europe. The experiments are solely for the purpose of showing what can be done in growing bulbs in the United States. Careful records are kept and valuable information collected which will be at the disposal of anyone wishing to take up bulb growing. The demand for bulbs is increasing rapidly and bulb growing offers a promising field for the investment of American capital and the establishment of a new and profitable industry on the Pacific coast, which will keep at home a large amount of money now sent annually abroad.

Geranium Foliage Discolored

ED. AMERICAN FLORIST:—

I am forwarding you geranium leaves which are discolored and which occur on part of my plants. They were planted in a sandy loam, the washings from a country road. Can you inform me what the trouble is and what would be the remedy?
J. Y.

If these geranium plants are standing on coal ashes, I think the trouble can be traced to that. We have had the same trouble caused by the fumes from the ashes. We now use sand entirely for setting the plants on and have not had any trouble since using it. Sometimes, directly after repotting this will appear on some of the lower leaves of the plants which is due to the check the plants receive from repotting.

C. W. JOHNSON.

PHILADELPHIA, PA.—William Keffer has opened the Regent Flower Shop at 614 South Fifty-second street.

THE CARNATION.

Growing the Young Stock.

The clearing out of the Easter stock will give us some more very needful bench room to take care of the young stock which is a very important matter just at this time. The increased bright warm weather is having its effect on the young plants, encouraging them to make a rapid growth and stretch out quickly, and those of the earlier propagation will need attention by being shifted into a size larger pot as soon as they show any signs of being root-bound or the wood begins to get hard. We are sometimes tempted when it gets to be after the first of April to take a chance and hold off the shifting of the young plants, figuring it out that they will not suffer very much if held in the same pots for three or four weeks when it will be time for planting them out in the field, but this is a serious mistake because after the plants have commenced to get hard every few days that they are held in the small pots will be detrimental to their making vigorous healthy plants.

There is one thing that the young stock should not be treated to and that is warm moist conditions; they love fresh air, a cool temperature and not an overabundance of water. They require the common sense method of culture of the up-to-date carnation grower without coddling of any description as is given a bench of blooming plants that is bringing in full returns. Within the next 10 or 12 days can be said to be the last call for putting in cuttings in the sand. The main quantity of stock for the coming season's planting requirements ought to be well in hand before this, but if you have a seedling, or a variety of which you are short, cuttings can be rooted for two or three weeks yet, but it needs extra care and caution. It will be necessary to watch them closer in regard to wilting by spraying oftener and giving more shade, also the higher temperature makes more liberal ventilation a necessity so that extra draughts will have to be more closely guarded against. Cuttings in the sand at this time grow very rapidly after they become rooted and in a very short while the roots get wiry and the stem becomes hard. The only safe way to guard against this is to take them out of the sand as soon as they have made roots large enough to stand the transfer. Cuttings taken from the sand require extra shading at this time, after potting or planting in the bed, to prevent their wilting, also a little closer atmosphere for a few days helps them to take hold of the new soil and stiffen up quickly.

If there is one thing more needed than another with the young stock planted out in benches, it is to keep the surface of the soil open by frequent scratchings. Soils that have a tendency to clog on the surface through a scum forming are very liable to start stem rotting among the young plants, and the only way to guard against this is to keep the soil open and the surrounding conditions clean and sweet.

There must not be any let-up in care of the older plants because Easter has gone or spring is at hand, if a continued steady cut of flowers is ex-

pected; rather than that they need closer attention. The beds will dry out faster as it becomes necessary to give more ventilation, also the red spider will become troublesome in a short while unless the syringing of the plants is followed up at every favorable opportunity. Up to this time we have not had the bright weather to need any shade on the glass, but as soon as it becomes necessary the flowers will be greatly benefitted by it. While the weather continues so that the insecticides can be used, it should be done to prevent the aphids getting the upperhand of the plants, when it will be a difficult problem to dislodge them. C. W. JOHNSON.

Distance Between Carnations.

ED. AMERICAN FLORIST:—

Our carnation plants were planted nine inches apart each way in a house running north and south. The sun never strikes the ground and many of the growths are spindly. How far apart should they be planted in such a house? SUBSCRIBER.

New Jersey.

Nine inches apart each way is not an unreasonable distance to plant carnations if other conditions such as light, air and heat are favorable. The size of the plants at time of planting in usually determines the distance apart to set them; ten inches apart each way being the rule generally fol-

all around the plants, even if they must be given twelve inches apart each way to obtain it. C. W. JOHNSON.

Moving Large Trees.

Nurserymen and landscape gardeners occasionally find it necessary in laying out estates or are called upon in other cases to transplant large trees. Alexander Klockner of Wauwatosa, Wis., has moved many large trees in the last twenty years without losing one, and the illustrations are of trees moved this winter which are the largest of any that he has undertaken. A tree that will weigh ten tons is considered large, but to move a tree that weighs from 20 to 30 tons it is necessary to employ house moving apparatus, for no planting wagon was ever built that would lift a tree of that size and it could not be drawn by horses.

In moving a tree of so large a size the tree is dug around and the ball lifted with jack screws, using 3-foot blocks to raise it to a height of six feet. Then two 14-inch square timbers are placed, on which are 6-inch rollers with runners under the ball. The screws are then removed and the weight rests on the rollers. It is then drawn with chains and blocks by horse power, and the progress of the moving is from 200 to 400 feet in eight hours. Mr. Klockner a few years ago moved a very large tree in the middle of summer; the soil was, however, of very heavy clay and it was so molded that none was lost in transit and the tree was moved but a



MOVING LARGE TREES BY A. KLOCKNER, WAUWATOSA, WIS.
A Norway Spruce Weighing 44 Tons Being Moved to New Location.

lowed by most growers, though this is sometimes shaded a little crosswise of the bench to even up the distance between the rows. Carnation plants growing in houses running north and south are very apt to be a little spindly at this time of the year, especially if the temperature is not kept to an even degree and the ventilation properly attended to. The condition of the plants now should be noted and used as a guide for next season's plans. There is not anything gained by crowding a plant; better by far to allow for a free circulation of air

short distance, it requiring 48 hours to accomplish the task, but the work was so successfully done that the tree never suffered in its removal.

NEW HAVEN, IND.—The New Haven Floral Co., recently incorporated by Henry Hermann, Sophia Hermann and Herman J. C. Leitz, with the last named as manager, have erected a range of 10,000 feet of glass, corner of Belle and Eben streets, which is being planted to carnations and smilax, and will also grow bedding plants and nursery stock, doing a wholesale and retail business.

PLANT NOTES.

Poinsettias.

The propagation of poinsettias with most growers is started during April but cuttings made at this time produce the taller plants and the propagation is continued until July when the short plants are rooted. The stock plants will have to be started at this time regardless of when the bulk of the stock is to be propagated. The plants that have been dormant during the winter should be well ripened at this time and the natural season of growth is at hand. The old soil should be all shaken off and the plants trimmed back to the green wood. They can then be potted in 5-inch pots or if to be grown only for stock purposes they can be planted in a bench in a warm house. The top eyes will break first and when 2½ inches long they can be cut with a beel of the old wood, trimming off nearly all the foliage and inserted in the propagating bed. They root very readily in a bench which has a mild bottom heat but must be kept free from all draughts and watered carefully. Over-watering will quickly cause damp-off, and if they wilt they will never recover. If there is no propagating bench which is heated, a mild hotbed can be made with about three inches of sand on top of the soil and the poinsettias propagated in this. Propagating poinsettias in a cold bench is sure to be attended with more or less loss. We have placed a lot of cuttings in such a bench and rooted 90 per cent, and the next lot with the same treatment would lose 90 per cent, the temperature not being under control and the plants would get chilled and damp-off. As soon as the roots are half an inch long the plants should be potted, for they grow very rapidly and should not make any growth in the propagating bench. The soil should have a good proportion of sand, the plants placed in a warm, close atmosphere and shaded until they have become established when they should be placed in bright sunlight that a good stocky growth may be obtained.

Violets.

To be successful with violets they should be taken out of the hothouses as early as possible. The single and the double varieties that are to be planted in the open are much better set out at the earliest possible moment, as soon as the ground can be worked and the plants are safe from heavy freezing. The ground at this time is full of moisture and the young plants root very quickly during the cool weather which they will not do after the hot spell comes on. If the young stock of the singles has not yet been taken it should be done at once. The plants selected for divisions should be the healthiest, under no circumstances take plants showing disease or poor growth. The divisions should be made from this year's growths, discarding the centre crown, for this will not make a suitable plant for another year's blooming. These divisions should be planted in flats or in a frame and shaded for a few days and in two or three weeks will have made new roots and can be transplanted to the open ground. The young plants of the Marie Louise should be in a frame outside and as soon as the houses are

cleaned out and the beds prepared planted in the houses which should be shaded and given all the ventilation possible. Lady Hume Campbell will grow nicely outside but will have to be lifted the latter part of August or early in September. Constant cultivation of the stock planted out will be necessary throughout the summer.

they are to be in bloom and they will be in the best of condition and fill a great want.

Tuberose.

One of the easiest flowers to grow and bloom during the summer months is the tuberose and they add a variety during that season that is much ap-



MOVING LARGE TREES BY A. KLOKNER, WAUWATOSA, WIS.

An Elm Weighing 37 Tons Blocked Up Ready for Removal.

Bulbs for Memorial Day.

The demand for bright flowers is very large for Memorial day work and is invariably larger than the supply, especially those that make a large show, and there are many growers who yearly plant large quantities of the late tulips for cutting at that time. Gesneriana major is a splendid red and Bouton d'Or a fine yellow for this purpose and are largely grown, the Bybloemens and Bizarres can also generally be had in flower the last of May, but they are of mixed colors and not so satisfactory in floral work. The Darwin tulips are also very late but are expensive for cut flower work. Many growers plant a bed of tulips on the north side of a building which will retard them considerably, but the weather is always a great factor in having any of these bulbs in bloom on a certain day when planted outdoors. The narcissus are almost always through blooming by Memorial day, but it is very easy to have a few boxes placed in cold storage or the ice house before they get started too much and bring them in two weeks before

precipitated by many patrons. The principal thing is to procure good stock and have heat enough to properly start the bulbs. These can be potted separately in small pots or set in boxes of sand and placed in a warm, moist location. This will save room at this time when the houses are invariably crowded, but they must be potted up as soon as growth starts. A good fibrous loam is the best soil in which to grow them, but it should contain no fresh manure. Some of the finest tuberose we ever saw were grown in pots in which was placed, on top of the drainage, an inch or more of old wasted cow manure picked up in the pasture, and when through flowering the roots were found thickly growing in this. A moist atmosphere is necessary in the early part of their culture to keep thrips in check which is the worst insect enemy which the plants have, but after the flowers begin to unfold they should be moved to a drier location and shaded, for excessive moisture and bright sunlight tarnish and cause the flowers to take on a yellow hue. A succession of plantings will give the grower fine spikes of flowers through the summer and early fall.

CHRYSANTHEMUMS

Propagation and Stock Plants.

Another season's work among the chrysanthemums is now opening up and the first thing on the docket is to prepare the stock plants and get them in shape to produce strong, healthy cuttings. Any stock plants that are standing in places where they do not get the full sunshine should be brought forward and given a place where they can receive the full light at all times, with plenty of ventilation on every favorable occasion. Another very important point is not to try and force the stools to produce cuttings by the hurry-up method of running the house warm. The chrysanthemum loves a cool temperature just as much when it is producing cuttings as it does when developing its blooms. Any attempt to coddle it is quickly followed by trouble and disaster.

A cool temperature and a clean, sharp sand are two very important considerations in the propagation of the chrysanthemum. They will root a little quicker in a high temperature, but it is at the expense of weakening the young plants. Treat them to a sand temperature of 50 degrees, with the overhead temperature about the same or a little lower if possible. The cuttings require a good watering at time of putting them in the sand. After this they should be given frequent sprayings to guard against their wilting, which if allowed to occur will quickly cause them to become hard and woody. Ventilate the propagating house at every favorable opportunity, not enough to produce a draught, but with the object in view of maintaining a cool, fresh atmosphere.

Another very important point is as soon as the cuttings have formed roots of about one-half inch in length get them out of the sand as quickly as you can. If allowed to remain for even a few days rapid growth takes place and they are hard and woody, with wiry roots before one is aware of it. I do not know of a one more important feature to have in mind at all times in connection with the culture of the chrysanthemum in all its stages than that of encouraging a short, robust growth, and it applies just as much to young plants starting out as it does to the one of more mature growth later on. Therefore, do not use a soil heavily charged with manure for the first pottings; also give the young plants a favorable location, where they will get the full benefit of all the light with ample fresh air. If there is another species of plant life more subject to the ravages of insect pests than the chrysanthemum I have not been able to find it, and the only thing to do is to fumigate constantly, even though there does not appear any trace of any of the insects on the plants. If we keep them down now it will not be half as hard later on when rush of work of weather conditions are against us attending to the matter.

It is not necessary to propagate the main batch of plants for commercial plantings at this early date, but it is absolutely necessary to care for the stock plants that are expected to produce the cuttings a month or so later. Early varieties, exhibition varieties,

and those of short jointed, slow growth should be propagated without delay. The two most noted very early varieties—Smith's Advance and Golden Glow—should be well established plants, ready for planting between the dates of April 15 to May 15, to be able to get first-class stock from them by August 20 or even later. You can time the date of blooming to a great extent by regulating the taking of the buds, but the only way that you can get size and depth to the blooms is by allowing them a reasonably long period of growth. All the Australian and the imported exhibition varieties should also be now well along. If they are not already out of the propagating bed, they will have to be attended to right away to be able to get exhibition blooms on them. Glory of Pacific, Polly Rose, White and Pink Ivory and the early October flowering varieties should now be got into the sand without any further delay.

C. W. JOHNSON.

Rooted Cuttings.

Year by year this feature of the chrysanthemum industry is becoming more important, and as the quality of stock offered presents so wide a range as to values a few comments on this subject may be acceptable. Some very fine cuttings which reflect credit to the shipper are offered, but we regret they are an exception rather than the rule. The accompanying illustration show four cuttings of varied quality.

The first shown is practically worthless, being very short and nearly devoid of root and leaves. It is rare that an entire consignment is of such poor grade, but it is not uncommon; in fact most of the houses handling such stock include a few weaklings in each bundle which results in loss to

The second cutting represents one which is an improvement on the first, but is what we term thin and has been either grown in the shade (possibly under the benches), or placed very close together in the cutting bench, remaining there until it has become drowned. Such cannot be considered prime stock and we find the majority of cuttings are of this class.

There is not so much objection to their being short, provided they have good vigor as shown by the third on the print. Some varieties are inclined to be very short through the winter months, of which the several forms of Ivory are good examples.

The last one on the plate shows the most satisfactory cutting either for shipping or growing on for benching.

In taking cuttings, those of a variety should be cut at a uniform length, some kinds being strong will furnish long, while others less rampant will give short ones. If they are trimmed, this should be done with as much regularity as possible so that the entire lot are equal in all respects. When taken at haphazard lengths and trimmed indifferently, the short weak ones suffer and when rooted and wrapped tightly in moss for transportation, they again suffer, especially if the conditions are favorable to the development of fungus. If various grades must be taken it is better to sort them and place the weak ones by themselves, so they are not smothered by the stronger ones.

Give abundance of air after they have been inserted in the sand, but avoid strong drafts as this will cause them to flag, and in this connection top rather than side ventilation is preferable. When the roots are one-half inch in length they are in the best condition for potting or shipping. We would prefer them even shorter than to remain in the sand until several



ROOTED CUTTINGS OF CHRYSANTHEMUMS.

the purchaser. Such cuttings should not have been taken in the first place, but allowed to remain on the old plant until they had increased in size and vigor. The recipient with careful treatment may be able to nurse them along to fairly respectable plants, but he will be careful not to buy from this house again.

inches long. Those most to be feared are such as have been forced with excessive heat either to induce the stock plants to greater productiveness or to hasten roots upon the cuttings. Such stock suffers in transit and are difficult to establish, with more or less of them sloughing off after being potted.

ELMER D. SMITH.

The Easter Trade.

From the reports received from the several correspondents in the different sections of the country, a good healthy growth of the business is recorded, and in most cases a material increase in the sales is noted. From some sections are reported a small falling off, but in these cases it is owing to local or weather conditions. That more people are purchasing flowers every year is manifest by the great advancement made by the trade, for with the great additions of glass area that have been made, and the consequent production of a much increased supply, yet the markets sell out very well. There is no doubt, however, that the supply is rapidly becoming equal to the demand, even in these times of largest sales, and the day has passed when the markets in the large centers are really going to entirely clean out, and inflated prices can be obtained, for lower prices are reported from many places. The weather conditions throughout the country were particularly favorable this year for good business, but few places reporting adverse conditions, and the temperature everywhere was such that deliveries could be safely made without a large amount of labor being expended in wrapping the plants and flowers. The sale of plants still seems to be on the increase, for the general report is that all the well-grown plants were disposed of readily. Lilies are still in great demand and sell well, especially where the stock is good, but there is a greatly increased demand and sale for more expensive plants, and well finished hydrangeas, rambler roses and the more costly plants are more and more purchased by the customers. From some sections comes the report that bulbous stock did not sell as well, but this more often occurs where there is a large supply of other stock, and where the better plants and flowers are not so plentiful the bulbous stock still has a large sale. The quality of the stock this year is commented on very favorably, many saying that it was never before excelled, and that there was but very little of poor quality. Taken all in all the business done was no doubt enormous, and far beyond what could be looked forward to a few years ago, and the general trade is in a very prosperous and healthy condition.

LAWRENCE, KANS.—Easter lilies were short of the demand, writes A. Whitcomb & Son, hyacinths and daffodils in pots sold exceptionally well, and there was a plentiful supply of these as well as other plants. The trade increased about 25 per cent over last year and prices were about the same. There was considerable funeral work which called for all the short stemmed flowers in arranging designs, so the supply of cut flowers for Easter sales was very short. There was not much call for primroses and ferns, but more lilies and daffodils in pots could have been sold if obtainable. Everything in cut flowers was sold, with roses and carnations most in demand. The weather was fine and a great assistance in delivering the plants. Spring business is starting up nicely and bedding stock looks well with promise of a good demand.

TERRE HAUTE, IND.—The volume of business was very satisfactory from every standpoint, says N. B. & C. E. Stover, being very much larger than last year, an increase of about 25 per cent, with prices about the same. The supply of cut flowers was adequate, but more bulbous stock in pots could have been sold. Hyacinths and lilies were the leaders in pot plants and

cinerarias were least in demand. Carnations, lilies and roses were the cut flowers having the best call, and violets were the least in request. One of the department stores had plants and cut flowers on sale for the first time here, but the quality was very poor and we did not notice that it made any particular difference to the legitimate florist, for the sale of such stock will not do much damage to the regular business.

LINCOLN, NEB.—Stock was never in better shape for Easter, nor was the variety ever so good, writes C. H. Frey, and the business was about 40 per cent larger than last year with prices about the same. The weather was fine up to Saturday, when it stormed, and this being the big day everybody that called meant business. The supply of plants and cut flowers was adequate, and of the latter there were some to spare. There was a fair call for palms and ferns, and blooming plants sold in about the following order: lilies, azaleas, deutzias, spiraeas, hyacinths, tulips, daffodils, rhododendron, cinerarias and primulas. The demand in cut flowers ranked as follows: roses, carnations, lily of the valley, daffodils, tulips, lilies and violets.

UTICA, N. Y.—Lilies, azaleas, hyacinths, tulips and daffodils in plants, and carnations, sweet peas, roses and daffodils in cut flowers, were what were in the most demand of all the floral products at Easter writes J. C. Bigelow & Son. The supply of both plants and flowers was excellent being fully equal to the call, the prices about the same as last year, and there was but little difference in the total sales. The department stores were heavily stocked with flowers shipped from Philadelphia, which they sold at one-half or one-third of the regular prices, selling violets at 40 cents for bunches of 50 and carnations three for 10 cents.

ANGOLA, N. J.—The trade at Easter this year was larger by about 10 per cent than in 1911 says John J. Neubeck of the Angola Floral Co. There was a good supply of both plants and cut flowers and prices were about the same as last year. In cut flowers carnations were the most in demand, and in plants the ones having the least call were tulips, spiraeas, cinerarias and daffodils. Lilies were backward owing to the dull, wintry weather, but there were plenty of other plants to fill their place. Pelargoniums sold exceptionally well. Saturday was a fine warm day, which was a great help, for the plants needed but little wrapping.

JANESVILLE, WIS.—The stock this year was the best we ever saw at Easter, says the Janesville Floral Co., and the trade was looking for the newer varieties of roses and were willing to pay for novelties that were good. Prices were a little lower than last year, but the business was larger by about 25 per cent. The supply of plants was enough to meet the requests and there was a surplus of cut flowers. Tulips in pots sold well, and so did any well finished plant. Roses and carnations were the cut flowers most in demand, but bulb stock did not seem to be desired.

FARGO, N. D.—The prices this year for plants were better than last Easter and about the same for cut flowers, writes The Shotwell Floral Co., and the business was about the same as a year ago. The supply of cut flowers was equal to the demand, as was that of plants with the exception of good small azaleas, which were short. Azaleas sold well and there was a good demand for bulbous stock in pots, rambler roses, and hydrangeas. Pink and white roses were the cut flowers in largest request.

KANSAS CITY, MO.—The Easter sales this year were a little less than last,

reports the Alpha Floral Co. The supply of both plants and cut flowers was equal to the demand, and prices were no better. Lilies were the plants most in demand and hydrangeas the least salable, and in cut flowers, sweet peas and carnations were most in request with less demand for bulb stock, snapdragon, orchids and lilac.

PEORIA, ILL.—The Easter trade this year was about the same as last with prices a little lower, say B. Juerjens & Co. There was plenty of everything in both cut flowers and plants to meet the demand, with a few plants over.

JAMESTOWN, N. Y.—Manager Lawrence Cetter, of the Lakeview Rose Gardens, reports that they have had a very good Easter trade, having made a complete cleanup for the first time since he has been here.

St. Louis.

A GRAND EASTER.

The Easter of 1912 was a grand one for the retailers. The warm weather brought everything into bloom and stock of all kinds was very cheap with the exception of violets and good roses. Carnations were very plentiful, but many of the growers held them too long and they were sleepy and unsalable. Violets were scarce, but sweet peas were a glut, as were also lilies. The plant trade was good, many of the retailers pushing the sale of them rather than cut flowers. The weather was warm and pleasant until Saturday evening, when it stormed, and Sunday was cold and clear.

NOTES.

We regret to announce the death of Mrs. Laura Tesson, mother of Robert Tesson. He was formerly proprietor of Forest Park, west of Union avenue.

The Paris Floral Co. will close their store at Olive and Broadway and will locate at 410 N. Sixth street. Both stores were open at Easter.

The next meeting of the Florists' Union will be held at Ostertag Bros., where they will meet above the store in the house of flowers.

C. A. Kuehn had a large supply of flowers. He complained of several consignments of carnations having been held over too long.

The Alexander Floral Co. have fitted up a portion of their candy palace for a floral department. They grow their own flowers.

George Waldbart, as usual, did a splendid trade. His sales of plants and cut flowers were very large.

Kalisch Bros. Floral Co. had a fine display of everything, their show windows being large and roomy.

Vincent Gorly, of Grimm & Gorly, said the sales were very large and showed big increase over last year.

Ryan Floral Co. are doing a nice trade. Their new store is too small and they will enlarge.

C. Young & Sons Co. did an immense business, their stock of lily plants being entirely sold out.

H. G. Berning had his hands full handling the consignments, and his sales were large.

Robert J. Windler had a splendid display and did a rushing business.

George H. Angermueller had a fine supply of orchids and roses.

F. H. Weber's sale of plants and cut flowers was very large.

Werner Bros. came in with a nice supply of roses. W. F.

ROCHESTER, N. Y.—The Rochester Florists' Association held its annual banquet at the Powers hotel March 26. Among the speakers were A. J. Sigl, secretary of the Chamber of Commerce of Rome, City Comptroller Edward S. Osborne and George S. McClure, president of the Buffalo Florists' Club.

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When sending us change of address always send bold address at the same time.

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We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
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THIS ISSUE 60 PAGES WITH COVER

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LILIUM FORMOSUM, from California, was an unlooked for novelty in the Chicago market. A large shipment was received on Friday which arrived in very good condition. But there was a good supply of home grown lilies on hand and the home grown stock had a fresher look.

ACCORDING to the decision of the board of general appraisers, rendered on the protest of W. K. Harris and others, evergreens propagated from seed as distinguished from other methods of propagation regardless of size or age, are considered as evergreen seedlings and are free of duty.

IN an interview appearing in the public press, Charles Thorley of New York states "that lilies are a thing of the past except for church decorations and orchids are the flowers of the season. A great change is noted in the last ten years. We used to send out all the flowers on Sunday and then it became good form to send the floral presents on Saturday. Now this year everybody has been sending flowers during the whole week."

Gas Damage.

The extraordinary severe winter with the frost settling deeper in the ground in some places than ever before, has introduced a new danger to greenhouse proprietors, for from many places come reports of damage to greenhouse crops by sewer and coal gas escaping from mains that have been broken by the frost. It is a question if many partial failures were not the result of the same cause, but the amount of gas was not enough to make itself manifest or to cause such a heavy loss that it would be traced. This is certainly a matter for the growers in establishing a plant in a new location to consider, and for all growers to see that everything possible is done to protect their interest before the damage occurs, for it is sometimes very difficult to prove the loss was caused by escaping gas and may entail much expensive litigation to procure recompense for damage sustained.

Examination For Park Gardeners.

The fact that the civil service law requires examinations to be competitive and public required that the examination for head gardener of the West Park system, Chicago, be held in that city on a fixed date. The civil service board received inquiries and applications from some forty or fifty prospective candidates in twelve different states. Of these only ten found it possible to appear in Chicago on the date set for the examination. The test was completed in one day and consisted of papers and oral examinations as appeared in THE AMERICAN FLORIST of March 9. The questions were designed by W. N. Rudd, president of Mt. Greenwood Cemetery Association and Edwin F. Kanst of Chicago, and these gentlemen conducted the oral examination and graded all the papers on floral work.

The successful candidate was August Koch, who has been in charge of a department of the Missouri Botanical Garden in St. Louis for about 14 years.

FRED C. HEUCHLING, Supt.

Fashions in Plants.

A gradual change in the demand for the several varieties of plants has taken place in the last 12 years and the business is influenced by this change in the fashion so that the grower must keep pace with the times, writes a correspondent in the Horticultural Advertiser, and grow what the trade demands and cease growing that for which there is but little sale. The increase in the culture of carnations and the demand for British grown roses has compensated for the loss of trade caused by the decline in demand for other plants. The last 10 years has seen the rise in the dahlia and it seems as if that demand had reached high water mark. Old fashions return, for the women of today are wearing some of the early Victorian modes, and the camellias, acacias, boronias and other hardwood plants, all gone out of date 10 years ago, are today more in demand than they have been for the last 20 years.

The system of trade, which finds a like parallel in some sections of this country, which causes a shortage of money with florists and nurserymen is largely due to private people keeping these unfortunates waiting longer for their money than they would dare keep the butcher or baker, and fur-

ther, the retailers are lax in collection of their debts, which is keenly felt by those who have to buy for cash and sell on long credit. May not these weaknesses be repaired and the change of fashions in plants be used to advantage?

London International Exhibition.

The following items concerning the Royal International Horticultural Exhibition to be held in London, May, 1912, will be of interest, not only to those who may attend, but to all:

After the opening of the show by King George V, an address will be presented to His Majesty on behalf of the organizing body.

Without counting entries from foreign exhibitors there are no fewer than 1,500 entries from British exhibitors alone. These range from exhibits varying in size from 10 to 1,000 square feet.

Admirable and extensive arrangements have been made for the refreshment catering during the period the show is open.

In the grounds, seating accommodation has been freely provided, and will, all over the entire area of the show, be free.

The programme of the receptions and other festive gatherings is almost in a state of completion.

The grounds will be lighted by electricity from 6:30 p. m. to 10:30 p. m. every evening.

Nearly all the county associations have agreed to furnish silver cups of about the value of £50 each for competition in addition to those prizes already offered by the show authorities. Those county cups will be open to all exhibitors, foreign and British.

All the British horticultural papers have arranged to have kiosks to display their publications. Foreign garden papers will be accorded the same privilege free of charge.

The representatives of certain foreign papers will also be entitled to free admission during the period the show is open.

The consuls of each country represented will also be invited to take part in the proceedings.

Among other attractions the bands of the Royal Marine Light Infantry, the Royal Artillery and other crack regiments will perform daily.

The entire extent of the area covered will be approximately 10 acres of which the great tent will occupy 6 1/4 acres.

C. HARMAN PAYNE,
Foreign Press Sec'y.

Meetings Next Week.

Boston, Mass., April 16.—Gardeners' and Florists' Club of Boston, Horticultural Hall.
Detroit, Mich., April 15, 8 p. m.—Detroit Florists' Club, 112 Farmer street.
Grand Rapids, Mich., April 15.—Grand Rapids Florists' and Gardeners' Club, office of member.

Lake Geneva, Wis., April 20, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Montreal, Que., April 15, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guards building, 211 Sherbrook street, west.

New Orleans, La., April 18, 8 p. m.—New Orleans Horticultural Society, Kolb's hall, 127 St. Charles avenue.

Newport, R. I., April 17.—Newport Horticultural Society.

Pasadena, Calif., April 19, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Providence, R. I., April 15, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, April 16.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

Scranton, Pa., April 19, 7:30 p. m.—Scranton Florists' Club, Curraney building.

Seattle, Wash., April 16.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Toronto, Ont., April 16, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word. Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By German florist; single; good grower of cut flowers and plants; strictly sober; prefer place near Chicago. Address
Key 590, care American Florist.

Situation Wanted—By competent saleslady and designer; age 25; eight years' experience; good references; state particulars; good wages. Address
Key 590, care American Florist.

Situation Wanted—An experienced gardener is desirous of securing a situation in a private place in or near Chicago. For further particulars Address
Key 591, care American Florist.

Situation Wanted—By experienced gardener, German as foreman in private place; married; best of references; state particulars in first letter Address
Key 602, care American Florist.

Situation Wanted—As gardener or superintendent; 20 years' experience in greenhouses and landscape work; best references; Scotch; age 38; married. Address
Key 596, care American Florist.

Situation wanted—In or near Chicago; an experienced carnation grower capable of taking charge; can furnish the best of references. For further particulars address
Key 592, care American Florist.

Situation Wanted—A young man wishes position in florist establishment; has had a little experience and is willing to learn. Address
CLARENCE ROACH,
155 W. Indiana Ave., Valparaiso, Ind.

Situation Wanted—As foreman or manager by first-class grower of choice pot plants and cut flowers; Al in roses; German; good references; state particulars. Address
Key 593, care American Florist.

Situation Wanted—As working foreman by Al grower of American Beauty and tea roses, orchids, carnations, mums, bedding, Easter, Christmas, decorative and nursery stock; familiar with steam and hot water; over twenty years' experience on modern wholesale and retail places; can take full charge and make good place pay; hard worker and good manager; seven years in present place; age 37 married; total abstainer; references. Permanent place, good pay and good treatment expected; salary or shares; state terms. Address
"GROWER,"
care 74 Gantier Ave., Jersey City, N. J.

Help Wanted—First class salesman and designers for our retail stores. Apply to
HERMAN BERSHAD,
Care Lueser's, Fulton St., Brooklyn.

Help Wanted—An experienced palm grower for commercial place near Chicago. Must know how to grow good decorative stock. Address,
Key 561, American Florist.

Help Wanted—At once, outside, all-round single man for private place; must understand care of roses; state wages in first letter.
G. C. P. O. Box 375, Lake Nebagamon, Wis.

Help Wanted—Two assistant florists with experience in growing choice pot stock begonias, cyclamen, hydrangeas, ferns, etc. Address, with full particulars, age and experience wages wanted, etc.,
J. A. PETERSON,
Westwood, Cincinnati, Ohio.

Help Wanted—A first class vegetable grower; one who understands both forcing and outside gardening; American preferred; if German, must speak good English; give name of last employer and state wages expected.
MCNABB PARK VEGETABLE FORCING CO. (Inc.),
Oklahoma City, Okla.

Help Wanted—At once; an experienced carnation and mum grower to work under foreman; also a general greenhouse man experienced in bedding out, filling vases, etc.; applicants for either position must send references and state age and wages expected in first letter.
JOHN RECK & SON,
Bridgeport, Conn.

Partner Wanted—Capable, dependable experienced man as a partner for raising lettuce, and who knows good location and has from \$1000 to \$5,000 to invest, but desires additional capital.
Box 185, Wilburton, Oklahoma.

Partner Wanted—A No. 1 nurseryman, sober, must have knowledge in landscape work, as a partner in a full stocked small nursery in a fast growing suburb; give privilege to buy whole interest now or later; \$2,000 required. Address
VILLA PARK NURSERY, Elmhurst, Ill.

For Sale—Greenhouses and store; established trade; wish to retire.
J. NELSON,
1747 W. Huron St., Chicago.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital B. KAPPEL Great Falls, Montana.

For Sale—Cheap, greenhouses, good location, doing good business; splendid opportunity for young man with small capital.
G. W. PATTERSON, Corry, Pa.

For Sale—On account of age, two small greenhouses and four acres of land; a steadily increasing business done for years which could be easily doubled by a younger and stronger person; a snap for a young man. For full particulars Address Key 594, care American Florist.

For Sale—Greenhouse property for \$3,800 if sold very soon; property worth that without a greenhouse on it; has a 7-room frame house and a small barn, 6 glass houses, boiler, and all necessary outfit; good well, water tank, wind mill, 10 acres of tile-drained land quantity of fruit; is located inside the limits of a city of 60,000 population; has the best of macadamized roads also unequalled shipping facilities; I will also include several delivery wagons, buggy, harnesses and other small tools Address PETER WIEDERHOLD,
115 South Franklin St., Saginaw, Mich.

Wanted—To Buy—Forty good second-hand botbed ash.
J. W. MILLER Hope, Ind.

Wanted—Sister Helen wants to hear from Zina Tanner regarding father's death; real estate can not be settled until found.
HELEN TANNER HANFORD,
472 W. 10th St., Winona, Minn.

FOR SALE

An Old Established and Profitable
SEED BUSINESS

Owner desires to retire and enjoy a well earned rest. If interested, address,
Key 601, care American Florist.

FOREMAN

Good grower of roses, carnations and bedding plants can secure fine situation in the Middle West by answering this advertisement today. State particulars in first letter. Address
Key 593, care American Florist.

FOR SALE.

\$3,000 will put you in possession of about 10,000 feet of glass. One of the best towns in Illinois. No competition. A large trade. Can sell all that can be grown at good prices. Address
WEARY & SNYDER, Dwight, Ill.

SEEDSMAN OPEN

for engagement as General or Department Manager. One who thoroughly understands seeds and the seed business; an energetic worker now completing the seventh year of engagement with one firm. Correspondence solicited. Address,
Key 599, care American Florist.

FOR SALE-A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.
Mosbaek Greenhouse Co., Onarga, Ill.

For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired), one mile out on electric car line; good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass, well stocked; good reasons for selling.
HENRY GAETHJE,
1607 Second Avenue, Rock Island, Ill.

FOR SALE

Well Established Nursery.

Excellent located near one of Minnesota's most flourishing cities. Excellent railroad facilities. 120 acres in Apples, Small Fruit and Ornamental Stock. Good Buildings, Storage and Packing Cellar. Will be sold with or without land—long lease if desired. An exceptional opportunity if taken at once. Good reason for selling. Write
KEY 578, Care AMERICAN FLORIST.

PARK COMMISSIONER

FOR TORONTO, CANADA.

Applications for the above named vacant position will be received by the undersigned. Applications should be accompanied with full particulars as to applicant's ability and experience, with testimonials, etc.

G. R. GEARY, (Mayor),

Chairman Board of Control.

City Hall, Toronto, Jan. 17, 1912.

Offer Them Now

ALL SPECIALTIES

For Cemetery Use
All Bedding Plants
Window Box Stock
Plants for Vases

The season is three weeks early, and the growers will get left who do not clean out their surpluses

WHILE DEMAND IS STRONG

Big Crop of Beauties

Fine Long Stock Now Coming in

Roses, Lilies and Fancy Carnations

We grow all the flowers we sell and guarantee them to be absolutely fresh.

BUY DIRECT OF THE GROWER

CURRENT PRICE LIST

Subject to change
without notice

AMERICAN BEAUTIES.		Per doz.	WHITE AND PINK KILLARNEY, PERLE AND RICHMOND.		Per 100.
Extra long	.....	\$3.00 to \$4.00	Extra long select	.....	\$8.00
30-in.	.....	2.50	Good length	.....	6.00
20 to 24-in.	.....	1.50 to 2.00	Medium length	.....	4.00 to 5.00
15-in.	.....	1.00	Short	.....	3.00
12-in.	.....	.75	CARNATIONS.		
RHEA REID.		Per 100.	Extra long fancy O. P. BASSETT	.....	\$3.00
Extra long select	.....	\$8.00	Fancy white	.....	3.00
Good length	.....	\$6.00 to 7.00	Fancy pink	.....	2.00 to 3.00
Medium length	.....	5.00	Fancy dark pink	.....	2.00 to 3.00
Short	.....	3.00 to 4.00	EXTRA FINE EASTER LILIES.		
MRS. AARON WARD.		Per 100.	Per dozen	.....	\$1.25 to \$1.50
Extra long	.....	\$10.00 to \$12.00	Per 100	.....	8.00
Medium and good lengths	.....	6.00 to 8.00	LILY OF THE VALLEY	.....	\$3.00 to \$4.00
Short lengths	.....	4.00	ASPARAGUS SPRAYS	.....	per 100, 3.00 to 4.00
			SMILAX STRINGS	.....	per doz., 3.00
			ADIANTUM	.....	per 100, 1.00
			GALAX, Green & Bronze	.....	per 1,000, 1.25
			FERNS	.....	per 1,000, 3.00

Bassett & Washburn, Chicago

Store and Office: 131 N. Wabash Ave.

Greenhouses: Hinsdale, Ill.

Chicago

A LARGE SUPPLY OF SPLENDID STOCK.

The great flower day of the season of 1911-1912 has passed into history and the general opinion of the trade in all its branches is that the amount of stock received and disposed of was in excess of that of any other year. Some of the wholesalers state that the business was larger than ever, others that it was about the same, but to sum the situation up it looks as if the quantity of stock was the largest that the market ever had to handle, and there was a much larger amount of flowers disposed of, but the prices were lower, averaging in the opinion of some about 10 per cent less than last year. One of the features of the sales this year was the great demand for medium length roses, instead of the longer-stemmed grades, which probably made some difference in the total amount of the sales, but there were plenty of this grade to meet this extra demand, so the call for the better grades was not so large as it would have been had there been a shortage of the medium lengths. American Beauties were not in over-supply but there is not the great demand for this rose at Easter that there is at Christmas, and the large supply of the other varieties gave the storemen a bountiful supply of good stock. Lilies were in good supply, the pot lilies sold out well, and there was a large demand for the cut stock, but a large shipment of Liliun Formosum was received from California on Friday that filled up the market. They arrived in very good condition and taking the long shipment into consideration, were very fine though they could hardly compete in price with the best of the home grown stock. The usual holiday conditions existed in regard to carnations. On Friday the stock that had been held back at the greenhouses was placed in the market

in quantities enough to force the prices down, but there was not much that had been kept too long, some few vases were seen that looked as if they would hardly carry to Sunday in good condition, but they found but few buyers for there was good stock enough to fill all the demands. Violets were in much better condition than is usual at Easter, especially when that day comes in April, the home grown stock was fine and some stock that was shipped in was good, and all met with a ready sale. Sweet peas of fine quality were superb and sold well. A large quantity of southern jonquills were received on the market and were freely offered in the grocery and butcher stores, some as low as two dozen for 25 cents. The plantmen all did a rushing and magnificent trade, cleaning their stock up well and at good prices. The storm of Saturday interfered some with business, although it was of short duration, and some of the dealers think it caused a slight drop in the prices. The stock is now coming in in good supply and the quality is fine, the retailers sold out so well on Sunday that there was a good demand the early part of the week but with such a supply as is now being received it will take an active demand to clean up the stock as it comes in every day.

NOTES.

Wietor Bros. did a land office business last week and disposed of thousands of fancy American Beauty roses. This firm cut quite heavily in everything and were well satisfied with the amount of stock that was sold. N. J. Wietor is always ready to help along a good cause and it could not help but be noticed how greatly pleased the "Sisters of Mercy" were when they were presented with a large supply of choice stock for the Easter festivities. Wietor

Bros. will have a large supply of stock for some time for they are now in full crop and are cutting heavily in American Beauty, Killarney, White Killarney, Richmond, Uncle John and Mrs. Jardine roses.

Bassett & Washburn sold out in practically everything for Easter with the possible exception of a few carnations which were very plentiful nearly all over the market. The quality of the stock that this firm supplied their customers for the holidays was fine and of its usual high quality.

J. A. Budlong had a fine Easter and sold out completely in roses and carnations and lily of the valley. Both the local and the out-of-town trade were good, and large quantities of choice stock were sold and shipped for the great flower day.

John Kruchten was well pleased with the amount of stock he sold for Easter and says that he could easily have disposed of a great many more pot lilies. All of the employees in this hustling house are now singing "Everybody's Doing It."

Wm. Hartshorne took a day off on Saturday, April 6, to inspect Vaughan's greenhouses at Western Springs and to attend a meeting of the Sons of St. George at the Masonic Temple in the evening.

The Chicago Carnation Co's. crack baseball team defeated the White Eagles in a practice game at Joliet last Sunday by the score of 7 to 3.

Weiland & Risch report that their Easter business was very satisfactory and fully up to their expectations.

H. Bayersdorfer, of H. Bayersdorfer & Co., Philadelphia, was a welcome visitor here this week.

C. L. Washburn, the popular wholesaler, is suffering from a severe cold.

E. H. Hunt has just received a shipment of 100 cases of boxwood.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

BEAUTIES

Now in Plentiful Supply.

FANCY FLOWERS. Can quote you attractive prices on lots of one hundred or more.

Spanish Iris Extra Fancy Quality.
All Colors.

VALLEY. Poehlmann's Brand Is Always the Best.

Carnations

Most excellent quality. Special price on thousand lots or more by wire.

Sweet Peas

We have an excellent quality of fancy long stem Shell Pink, Purple, Lavender, White and Blanch Ferry.

Richmond and Killarney

FANCY LONG STEM.

Will make special low price on large quantity of five hundred to one thousand. Write or wire for prices.

Easter Lilies

Per doz., \$2.00. Per 100, \$10.00 to \$12.00.

CURRENT PRICE LIST

AMERICAN BEAUTIES.		Per Doz.	WHITE KILLARNEY, select	\$10.00	
Specials	.....	\$4.00	Fancy	.....	8.00
36-inch	.....	3.00	Medium	.....	6.00
30-inch	.....	2.50	Good Short	.....	\$3.00 to 4.00
24-inch	.....	2.00		Per 100	
20-inch	.....	1.50	CARNATIONS, fancy	.....	\$3.00
15-inch	.....	1.25	" firsts	.....	2.00
12-inch	.....	1.00	" common splits	.....	\$1.00 to 1.50
Short stem	..... per 100	\$4.00 to 6.00			
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.		Per 100	ORCHIDS, Cattleyas, per doz.	\$ 7.50 to \$ 9.00	
Fancy	.....	\$12.00	CALLAS, per doz., \$2.00	.....	12.50 to 15.00
Medium	.....	10.00	TULIPS	.....	2.00 to 3.00
Short	.....	\$6.00 to 8.00	SPANISH IRIS	.....	8.00
MELODY, fancy long		\$12.00	VALLEY	.....	3.00 to 4.00
Medium	.....	10.00	VIOLETS, double	.....	.75
Short	.....	\$6.00 to 8.00	VIOLETS, single, Princess of Wales	.....	.75 to 1.00
MRS. AARON WARD			MIGNONETTE, large spikes	.....	4.00
Fancy long	.....	12.00	SWEET PEAS, common	.....	.50 to .75
Medium	.....	10.00	SWEET PEAS, fancy	.....	1.00
Short	.....	\$6.00 to 8.00	ADIANTUM CROWEANUM	.....	1.00
RICHMOND, select		\$10.00	SMILAX	..... per doz.,	\$2.50 to 3.00
Fancy	.....	8.00	SPRENGERI, PLUMOSUS SPRAYS	.....	3.00 to 4.00
Medium	.....	6.00	PLUMOSUS STRING	.....	each .00
Good Short	.....	\$3.00 to 4.00	FERNS	.....	per 1000 3.00
KILLARNEY, select		\$10.00	GALAX	.....	per 1000 1.25
Fancy	.....	8.00	LEUCOTHOE	.....	per 100 .75
Medium	.....	6.00	BOXWOOD	..... per bunch, 25; per case of 50 lbs.	7.50
Good Short	.....	\$3.00 to 4.00			

Good Short Stem Roses, \$20.00 per 1000; 500 at the same rate.

POEHLMANN'S FANCY VALLEY } We make these a specialty.
EXTRA FINE HARRISII LILIES } Can supply them all the Year.
Once tried you will have no other

Peter Reinberg

30 East Randolph St., CHICAGO.

WHITE AND PINK KILLARNEYS RICHMOND BEAUTIES

And a Large Supply of all the other Leading Varieties of Roses.

CARNATIONS

Fine Large RED, WHITE and PINK Blooms.

CURRENT PRICE LIST.

Send Your Orders Direct to the Grower and they Will be Taken Care of

AMERICAN BEAUTIES		Per doz.		
Extra long stems.....		\$4 00	Perle.....	Select 8 00
36 inch stems.....		3 00	Sunrise.....	Medium 5 00 to 6 00
30 inch stems.....		2 50		Short 3 00 to 4 00
24 inch stems.....		2 00	Roses, our selection.....	
20 inch stems.....		1 50	Carnations	2 00
15 inch stems.....		1 25	Fancy	2 50
12 inch stems.....		1 00	Harrisii	per doz. 1 50
Short Beauties.....		\$0.50 to \$0.75	Valley	3 00 to 4 00
Richmond	Select	\$8 00	Violets	75 to 1 00
Killarney	Medium	\$5 00 to 6 00	Sweet peas	75 to 1 00
White Killarney	Short	3 00 to 4 00	Tulips	3 00 to 4 00
My Maryland...}			Jonquils	3 00
			Adiantum	1 00
			Asparagus, per bunch.....	50
			Ferns, per 1,000.....	3 00

2,000,000 Feet of Modern Glass.

Peter Reinberg is cutting a fine grade of roses with American Beauty, Killarney, White Killarney and Richmond showing up exceptionally well. The Richmond roses that this firm supplied their customers for Easter were elegant and the long strong canes were well clothed with luxuriant foliage and carried magnificent heads. Manager Matchen says that Easter business was very good.

Oak Leaves, a weekly paper published in Oak Park, contained in its last issue, a likeness of E. C. Amling, the well known commission man, and the other bank officials of the new state bank which was recently organized in that city. Mr. Amling as was before stated in these columns, was elected president and he is now receiving the congratulations of his many friends.

Hoerber Bros. are going to grow some of the chrysanthemum novelties this year at their greenhouses at Des Plaines, having just received a fine lot of plants of Christy Mathewson from Elmer D. Smith & Co. of Adrian, Mich. The stock arrived in splendid condition and were such exceptionally fine plants

that the buyers were greatly pleased upon opening the shipment.

The Chicago Flower Growers' Association did a satisfactory business for Easter and Charles Erne jokingly says it was the best the firm ever had. The third quarterly meeting of the stockholders will be held on Wednesday, April 17, at 7 p. m. and all the members are earnestly requested to be present.

George Perdikas did a splendid business at his three stores last week and disposed of an exceptionally large quantity of cut flowers and plants. The proprietor evidently believes in making a showing, for every nook and corner of his stores was fairly crowded with stock for Easter.

The J. B. Deamud Co. found very ready sale for their fragrant home grown double violets for Easter and had the good fortune of disposing of the Des Plaines Violet Co's entire large cut at very high prices.

There was a large representation of the members of the trade at the funeral of the father of Wm. F. Schofield, the popular North State street florist,

U S E Budlong's Blue Ribbon Valley.

Mention the American Florist when writing

which was held Thursday morning, April, 4.

M. Wieland of Evanston is cutting a fine grade of Spanish iris and a large supply of this choice stock is now being shipped to the Chicago Flower Growers Association's store.

Miss H. V. Tonner, the Iris Queen, was absent from the store for a few days this week being afflicted with a severe cold.

C. Ickes with the A. Dietsch Co., is serving on a jury in the superior court this week.

Jack Byers is minus his moustache this week.

LARGE CROPS OF ROSES

Especially Extra Fancy

KILLARNEY

White Killarney, Richmond,

BEAUTIES

Uncle John and Mrs. Jardine.

Fancy Carnations

Large Supply in Red, White and Pink.

FINEST STOCK IN THE CHICAGO MARKET. BAR NONE.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

Per Dozen		Per Dozen	
60-inch stems.....	\$4 00	24-inch stems.....	\$1.50
48-inch stems.....	3 00	20-inch stems.....	1.25
36-inch stems.....	2 50	15-inch stems.....	1.00
30-inch stems.....	2 00	Short Stems.....	.75

Killarney.

		Per 100
Extra special, 36-inch Stems.....		\$7.00
Selects, 30 "		6.00
Fancy, 24 "		5.00
Medium, 20 "		4.00
Good.....		3.00
Short stems.....		2.00

Richmond

		Per 100
Extra specials, 36 inch stems.....		\$7.00
Selects, 30 "		6.00
Fancy, 24 "		5.00
Medium, 20 "		4.00
Good.....		3.00
Short stems.....		2.00

Jardine

		Per 100
Fancy, 24-inch stems.....		\$8.00
Good, 15 "		6.00
Short.....		4.00

White Killarney

		Per 100
Extra specials, 36-inch stems.....		7.00
Selects, 30 "		6.00
Fancy, 24 "		5.00
Medium, 20 "		4.00
Good.....		3.00
Short stems.....		2.00

Uncle John

Fancy, 24-inch stems.....	\$6.00
Good, 15 "	3.00
Short.....	2 00

Roses, our selection - - - \$2.00

Carnations,

Special.....	\$2.00
Fancy.....	1.50
Good.....	1.00

HARRISSI..... 8.00 to 10.00

FERNS, per 1000, \$3.00. SMILAX, per doz., \$2 to \$3.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Everybody's Doing It!

DOING IT!

DOING IT!

Buying Kruchten's High Grade

Roses, Carnations, Lilies, Gardenias, Sweet Peas and Other Stock - - -

Everybody's Doing it Because Everybody is Satisfied With the Stock We Handle.

JOHN KRUCHTEN,
162 N. Wabash Ave., Phone Central 6269 **CHICAGO**

The Otto Wittbold Nursery has acquired the nursery interests of the George Wittbold Co., and has filed articles of incorporation with a capital stock of \$20,000. The proprietors are Otto Wittbold, Mrs. George Wittbold and Mrs. Otto Wittbold, and the business will be managed by Otto Wittbold, who has so successfully managed the greenhouses and nursery at Edgebrook the last few years. Mr. Wittbold is fully posted on nursery stock, and the demands of the patrons of the old firm, and the success of the new concern is assured. The best wishes of the trade and of the many friends of the young proprietor are extended in the new enterprise.

Poehlmann Bros. Co. report that the Easter trade this year was much better than last year and that it sold out completely in cut lilies and pot lilies. The demand was so great the last days of the week that the firm was obliged to telegraph their customers that it was impossible to fill any more orders on account of being entirely sold out. The proprietors are now receiving some very complimentary letters from their customers in which the writers state that their pot lilies arrived in fine condition and this was probably due to the careful packing and the fact that they were all shipped when in bud.

The A. L. Randall Co. is again making some alterations to their large store and is now busy putting the finishing touches to a large salesroom. This firm was greatly handicapped for the lack of store room for Easter when business was exceptionally good so it decided to be better prepared for the future, hence the recent changes. Frank Johnson, the efficient sales manager, escorted us through the firm's new ribbon room and we were surprised to find that such a large supply of stock was always carried.

H. Van Gelder says that his Easter business was fine, and that it was the largest that Percy Jones ever had. The enterprising wholesaler's many friends are relieved to hear that he and his store man, Mr. Simons, were in no way connected with the recent automobile accident that happened in this city a few days ago.

In the severe electrical storm that passed over the city and vicinity Saturday afternoon, April 6, three greenhouses owned by John P. Jenetten in

Niles township were blown down, and the proprietor, his three sons and an employe were injured by the falling glass and timbers.

A. L. Vaughan & Co. say that they had a very good Easter trade and add that the only drawback was that they were handicapped with the lack of sufficient help to wait on the city trade. The shipping trade was also very brisk and large quantities of choice stock were sold.

Canger & Gormley had a very large Easter trade and John Canger and his force of assistants had more than they could attend to the latter part of the week. Prettily arranged baskets of plants and cut flowers were but a few of the offerings at this store for Easter.

A suburban grower advises us that a note in his diary is to the effect that *Primula veris* and *mertensias* were in bloom April 10, 1910, and that *Festiva Maxima* peonies were ready to be disbudded on the same date.

H. S. Garland of the Geo. M. Garland Co., has returned from several cut-of-town trips and is again working on the new construction that his company will place on the market some time in the future.

J. W. Niesen's store on East Forty-seventh street presented a most favorable appearance during the Easter rush with its large showing of cut flowers and plants and a newly decorated interior.

W. W. Randall returned from his Wisconsin trip in time to help out with the Easter business at the A. L. Randall Co.'s store. He is doing jury service in one of the local courts this week.

Harlow N. Higginbotham, president and treasurer of the Chicago Carnation Co., and his son Harlow have returned from a trip to Panama and are now on an extensive trip through the south.

At the sale of Easter flowers held in the Florentine room of the Congress hotel by the Children's Flower association, April 6, \$4,275 was raised for the home for crippled children.

A baby boy arrived at the home of Otto Wittbold, in Edgebrook last week and the proud father is now telling his many friends what a splendid little chap his second son is.

Harry Nicholson formerly with the Chicago Carnation Co., left this week for Excelsior, Minn. to take charge

ROSES

Killarneys, White Killarney
and Richmond.

Red, White and Pink Carnations,
Easter Lilies, Callas, Sweet Peas,
Bulbous Stock and Greens
of all kinds.

W.E. Trimble Greenhouse Co.

56 East Randolph St., CHICAGO.
Phone Randolph 3671.

of the private estate of one of the Pillsbury Milling men.

Fred Krausse and Ernest Farley expect to win a little prize money in the state bowling tournament now being held at Bensinger's alleys, West Randolph street.

A. E. Hunt & Co., who lost all their stock by freezing in January, are again shipping some fine sweet peas and daisies to the market.

Miss M. C. Gunterberg had recovered sufficiently from her recent attack of pneumonia to attend to her customers during the Easter rush.

The regular quarterly meeting of the Horticultural Society April 9, was adjourned to Thursday, April 18, at the Art Institute at 3 p. m.

Chas. Zapfe says that his first Easter in the retail business was a most successful one and that he sold more stock than he expected.

Chas. W. McKellar says that his Easter business was fine and that with the exception of a few plants he sold out completely.

George Manos shipped about 50 boxes of cut flowers to his store in Pittsburg from this market during Easter week.

Louis Visas says he shipped at least a carload of stock last week to his store in Duluth.

Mr. and Mrs. James G. Hancock celebrated their silver wedding last Saturday, April 6.

A. Henderson & Co. have just received a shipment of cycas stems.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres.
ANTON THEN, Tress.

ED. MEURET, Vice-Pres
G. C. WEILAND, Sec'y.

Extra Fancy Spanish Iris

ALL COLORS
\$5.00 per 100.

Also Choice
KILLARNEYS,
OTHER ROSES
AND
CARNATIONS

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beautica.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.00	.....	.....
Killarneys.....per 100	8.00	6.00	5.00	4.00	3.00	2.00	.....
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Maid's.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Brides.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Carnations.....	3.00	2.00	1.50	1.00	.....	.....	.....
Callas.....	15.00	12.50	.....	.....	.....	.....	.....
Easter Lilies.....	10.00	8.00	.....	.....	.....	.....	.....
Orchids, Cattleyas.....	50.00	35.00	.....	.....	.....	.....	.....
Lilly of the Valley.....	4.00	3.00	2.00	.....	.....	.....	.....
Sweet Peas.....	.75	.50	.....	.....	.....	.....	.....
Mignonette.....	4.00	3.00	.....	.....	.....	.....	.....
Daffodils.....	4.00	3.00	.....	.....	.....	.....	.....
Tulips, assorted colors.....	3.00	2.00	.....	.....	.....	.....	.....
Jonquils.....	4.00	3.00	.....	.....	.....	.....	.....
Daisies.....	1.00	.75	.....	.....	.....	.....	.....
Asparagus Plumosos Sprays..	4.00	3.00	2.00	.....	.....	.....	.....
Asparagus Sprengeri Sprays..	4.00	3.00	2.00	.....	.....	.....	.....
Mexican Ivy, \$5.00 per 1000....	.60	.....	.....	.....	.....	.....	.....
Smilax.....	25.00	16.00	.....	.....	.....	.....	.....
Adiantums.....	1.00	.....	.....	.....	.....	.....	.....
Galax, Green or Bronze.....per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns.....	3.00	2.50	.....	.....	.....	.....	.....

Joseph Curran, one of the older florists of this city, died in Las Vegas, New Mexico, on Friday, March 29, at the age of 61, and was buried in that city the following Sunday, March 31. The late Mr. Curran was well known in this city and was formerly connected with Reissig Floral Co., which was then located where Marshall Field & Co.'s large establishment now stands, and when the late P. J. Hauswirth succeeded to the business of this firm he was with him for many years. He was later with O. J. Friedman and was also in business for himself. He possessed a most amiable disposition and was very obliging, and by these personal characteristics attracted a host of friends, who, with the wife and daughter that survive him, will mourn his loss.

Miss Gussie Linquist, for many years identified with Vaughan's Seed Store, died at Colorado Springs, Colo., April 8, after a protracted illness. Miss Linquist leaves a host of sorrowing friends to whom the memory of her constant kindness and fortitude under heavy affliction will always be a benediction.

Kennicott Bros. Co. did a fine Easter business and sold large quantities of stock of all kinds. E. E. Pieser is now turning his attention to the peony game and he says that with all the snow we have had the past winter the flowers ought to be fine for Memorial day. The Atlas Floral Co., on East Randolph street, enjoyed a fine Easter trade and also arranged many beautiful and attractive church decorations. Frank Williams has returned from Wisconsin feeling much better in health and is again seen at the store.

Mrs. Margaret Port, widow of the late Harry Port, died at her home in Maywood on April 5. She was forty-three years old and was well known to the local trade.

Peter Reinberg was elected Democratic central committeeman by a large majority at the primaries held Tuesday, April 9.

Ed. Misiewicz reports that the Easter trade was very good at both his stores in South Halsted street and Milwaukee avenue.

E. F. Winterson says that it was a fine Easter and that he sold out with the exception of a few plants.

Visitors: H. Bayersdorfer, Philadelphia; Earl Mann, Richmond, Ind.

Chicago Florists' Club.

The regular meeting of the Chicago Florists' Club was held April 4, at the Union Restaurant, 168 West Randolph street, and the following were elected members: Henry Klunder, 70 East Monroe street; Wm. Tegan, Morton Grove; John Van Hess, 31 West Randolph street, and Leo Real, 31 West Randolph street. Four applications for membership were presented: August Koch, 3500 Washington boulevard; John Lambert, Lake Forest; H. Van Gelder, 56 East Randolph street, and S. A. Jamieson, 72 West Adams street. Secretary Pyfer tendered his resignation and as many were absent on account of the pressure of Easter work the meeting adjourned to Thursday, April 11, the same place and hour as above.

Milwaukee.

A SATISFACTORY BUSINESS.

The trade in general was well satisfied with Easter business. There was enough stock for everybody and all orders could be filled with but few exceptions, the only really scarce stock seemed to be Richmond and American Beauty roses which it was impossible to obtain at almost any price. Carnations and Killarney roses

U S Budlong's E Blue Ribbon Valley.

were plentiful enough to go around, as was also the bulb stock. The sudden change in temperature certainly did not help the market conditions as it brought stock in quite heavily on Saturday and some good carnations were sacrificed at reasonable figures. The change also affected the quality, for it made the stock rather soft and being well opened there was a lot of poor stock for the wholesalers to contend with, especially Enchantress carnations, which seemed to suffer more than any of the others. Some came in rather off color and these naturally did not move very fast. The eastern violets also did not arrive in very good condition, they would fall apart when handled and they would not sell at any price. The Wisconsin violets, however, were very fine and cleaned out well. Lilies were fine and sold readily, the long-stemmed ones were a little scarce on Saturday, but there were enough short ones to fill all orders. The demand was mostly for long and they naturally cleaned out first.

NOTES.

R. Lietz says, "Well, we got through fine, but you would not think that it was possible for a little fellow like me to get out so many orders and do such a large business in the west side of the town." He certainly had some and he sold everything he had in his store and greenhouse, coming to the

You Will Have a Heavy Demand

for FLOWERS, now that Lent is over. We have all the Choice Stock you want for Weddings, etc., Sweet Peas, Valley, Daisies and Iris. Roses and Carnations at the lowest possible market prices. Send us your orders NOW. BEST FANCY FERNS IN CHICAGO.

A. L. VAUGHAN & CO.

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166 N. Wabash Ave.,
CHICAGO

Orders for Cut Flowers and Greens will receive our prompt attention.

**Cut Flowers
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LARGE SUPPLY OF ALL KINDS**

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS
163-165 N. WABASH AVE. CHICAGO
L. D. Phone Central 466

market on Monday and getting what was good in blooming plants to fill up his place and make it look like a flower store. He feels proud of his new automobile delivery car which is certainly a dandy and says he can cover plenty of territory in doing his delivering.

Gust Rusch & Co. reports business beyond expectations, having had a fine shipping and local trade. They handled a lot of plants for the different growers and sold all the lilies that they received from Fred Schmeling. They were certainly glad that the store had been remodeled so that they could get more room to handle the quantity of stock they received. This concern is receiving some Kaiserin Aug. Victoria roses from one of their growers which are of a fine grade and are just coming in crop.

M. A. McKenney Co. reports business good. They had a fine display of blooming plants in the basement and when getting into this place you imagined you were into a conservatory. They had a large variety and sold out well, working all night Friday and Saturday. They were so rushed that they were still getting out cut flower orders on Easter Sunday afternoon.

Edlefsen-Leideger Co.'s conservatory in the back of the store looked rather forsaken on Monday, as there was plenty of room to put in a new supply. They sold out anything that looked like a blooming plant and certainly had a few. Much of their stock was sent in from their own greenhouses and they also had a large quantity from the different growers.

C. C. Pollworth Co. certainly had some very fine lilies for Easter and they cleaned them all out so quick that they could not fill their orders for cut blooms on Saturday, the demand being so great. This concern also had their carnations and roses right on crop and were there to deliver the goods.

Wm. Currie, speaking for the Currie Bros. Co., says it is surprising what becomes of all the blooming plants we grow at the greenhouse. We sent down load after load and sold them as fast as they came in to the store. They are more than satisfied with their Easter trade.

W. C. Zimmerman says, "Well, it is all over now," but during the rush, he said, "Never another Easter job for me—too much like a good thing to handle so much stock and crowd all the business into so short a time, but nevertheless we are over it and only a little tired out."

The E. Wilke Co. say, "We certainly did some business and we would have been stuck with our large amount of delivery if it had not been for the new auto truck which we bought just in time."

Holton & Hunkel Co. reports having had a fine Easter trade, being sold out completely at their greenhouse of all good blooming plants and also report good sales at their store. G. R.

Detroit.

THE BEST EVER.

Easter trade was, by unanimous consent, "the best ever." The various estimates of increase over previous years and particularly over last year for the same event, were from twenty to thirty per cent. The cash sales are easily compared with former dates, the charge sales can only be estimated until later, but there's no doubt of the total bearing about the same relation to the increase of cash sales. It is difficult to discern any material difference between the prices realized and those of a year ago for the same grade of stock. The public bought freely and prices did not seem to be a governing factor as the poor and rich alike could be and were supplied with plants and cut flowers with prices to meet the same. A selection

**U S Budlong's
E Blue Ribbon Valley.**

could be made from the twenty-five-cent hyacinth to the high-priced azaleas and rhododendrons or made up baskets and from the low-priced cut bulbous flowers to the American Beauty roses. No one would venture to say which of the great variety of plants offered was the most popular without a correct record of sales. True, Easter lilies were very popular, but it is doubtful if this year they maintained their usual advantage over the beautiful gay colored azaleas. There was an enormous stock of all kinds on hand and though some dealers ran short of some varieties, it was no serious matter, as so many worthy substitutes were available. Easter complexion was given to the trade early in the week and indeed the day before Palm Sunday the business indicated the busy week that followed. Cut flowers of all kinds sold well the last part of the week and Saturday the call for these increased with each advancing hour of the day. A strong feature of the cut flower trade was the great popularity of flowers suitable for corsages. Violets were never more popular and the supply of these gave out as early as four o'clock in the afternoon. Then followed the heavy demand for Bon Silene corsages and sweet peas and lily of the valley, the last three items continued, with the violet in short supply throughout the day and Sunday. Carnations were not in heavy supply, but fairly equaled the demand. These retailed most uniformly for one dollar per dozen. American

"The Busiest House in Chicago."

LARGE SUPPLY

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**Fancy Sweet Peas, Carnations,
Roses, Lilies and Other Flowers**

QUALITY

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Beauties sold better than a year ago and the stock was good, which could not be said of much of the stock of other varieties of goods. Those florists, who by their capacious stores were enabled to make a display with made-up plant baskets did a good trade in them, but these do not show to advantage when crowded in rich groups of mixed plants. The weather was all that could be desired for the shoppers and the advantageous handling of the deliveries. Saturday was a balmy, pleasant, springlike day and though Sunday weather with snow flurries and clouds was a disappointment to the street paraders, the florists could not complain, as their harvest was practically over with midnight of Saturday, and with one florist it was found necessary to close the doors as early as eight o'clock p. m. to enable the force to execute the heavy orders already in. The employment of many extra automobiles for deliveries rendered that feature of the trade more expeditiously done and removed much of the worry incident to horse-drawn vehicles of the past.

NOTES.

Harry Rackham's first Easter in business turned out to be also his last, as he has given up the struggle to maintain his business that he established on Woodward avenue last fall. He will manage his father's fruit farm near Redford, Mich., hereafter.

J. F. S.

New York Florists' Club.

There was a light attendance Monday night at the meeting of the New York Florists' Club owing to it being the first day after the Easter rush, there being but sixty-five members present. A report was made by Charles B. Weathered, chairman, of the annual dinner and celebration of the clubs' twenty-fifth anniversary. This affair was a great success and the committee received the hearty vote of thanks of the club. Thanks was tendered to the gentlemen who had donated flowers and other decorative material, to Alexander McConnell who had charge of decorating the banquet room and which was done in his usual masterful artistic manner. The Park Avenue Hotel management also received a vote of thanks for the courteous, generous and successful way they had carried out their part of the arrangement. It was by far the best served dinner the club has ever had.

Harry A. Bunyard was the lecturer of the evening and gave a most interesting talk on the recent spring show in Chicago, illustrated by many beautiful slides made from pictures presented to him by George Asmus of Chicago. Mr. Bunyard's talk was pleasing and interesting and will probably be seen and heard in many of the other large cities.



ORCHIDS

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A fine stock of **Cattleyas, Gardenias, Dendrobiums, Assorted Orchids, Valley, Violets, Beauties**, and all fancy flowers always on hand. Decorative stock and supplies of all kinds.

Send for Price List

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162 N. Wabash Avenue,
CHICAGO.

John Meisem, John Donaldson and Frederick Marquardt were appointed a committee to draw up resolutions on the death of Herman Maener. J. A. Shaw read the resolutions prepared on the death of Mrs. M. C. Ebel.

Upon motion of Patrick O'Mara, seconded by Frank H. Traendly, the secretary cast one ballot for the election of the following gentlemen: C. Vermeulen, East Rutherford, N. J.; Philip Cox, Montclair, N. J.; Hugo F. Jahn, 710 Nostrand Ave., Brooklyn, N. Y.; P. H. Goodsell, 103 E. 29th St., N. Y.; Wallace R. Pierson, Cromwell, Conn.; John McArthur, Hitchings & Co., Elizabeth, N. J.; John A. Payne, 17 East 35th St., N. Y.; J. F. Weir, 5th Ave. and 25th St., Brooklyn, N. Y.; Elwood Brant, Madison, N. J.; Wm. Tricker, Arlington, N. J.; Philip Arzberger, Pleasantville, N. Y.; Arthur Cockcroft, Northport, L. I.; John H. Bockmann, 342 West 14th St., N. Y.; W. Rehm, 306 West 23rd St., N. Y.; Heber B. Ware, 14 Stone St., N. Y.; Thomas Roland, Summer St., Nahant, Mass.; Richard Hughes, 89 Franklin Place, Flushing, N. Y.; George I. Laird, 3014 Fulton St., Brooklyn, N. Y.; Louis Milliot, Yonkers, N. Y.; A. Embury, New Rochelle, N. Y.

The following names were proposed for membership: August Junge of Kountsch & Junge; George Pearce, Orange, N. J.; Paul A. Rigo, West Farms; Peter Duff, Orange, N. J.; J. A. Muller, Rutherford, N. J.; Andrew C. Scott, 611 Fifth avenue, N. Y.; Samuel Redstone, Rowayton, Conn.;

**U S Budlong's
E Blue Ribbon Valley.**

Edward A. Manda, West Orange, N. J. The newly elected members, Philip Cox, Wm. Sefton and F. W. Armitage, were introduced and addressed the meeting.

The committee on awards reported on the exhibits in the room: Vase Double White Killarney by L. J. Reuter & Son, Westerly, R. I. Thanks of the club. Exhibited by Louis Dupuy, Whitestone, L. I., the following hydrangeas: Banquet Rose—beautiful, wax-like, rose pink, certificate of merit; Gaillard—fimbriated cream white, large flower, certificate of merit; Madame Mouillere—pure white, very large flower, certificate of merit; General de Veberaye—beautiful light pink, honorable mention.

The following resolutions on death of our late honorary member, W. Bayard Cutting, were then offered:

Whereas, God in his infinite wisdom has withdrawn from the sphere of his earthly labors, Mr. W. Bayard Cutting, an honorary member of this club for seventeen years, and

Whereas, We desire to express our estimate of the loss we and the hor-



Now is the Time to Order Your BOXWOODS

We have exceptionally fine stock in the following sizes:
OBELISK.

5 feet high, 18-inch bottom measure.....\$10.00 each

Globed Shaped.

15 to 18-inch top, 15 to 18 inches high.....	Each \$1.00
22 to 24 inch top, 24 inches high.....	6.00

Standard.

12-inch crown.....	\$1.50
15 to 18-inch crown.....	2.50
18 to 21-inch crown.....	3.00
21 to 24-inch crown.....	4.00
24 to 27-inch crown.....	6.00

Pyramids.

Each	Each
2½ to 3 feet high.....\$2.50	4 to 5 feet high, strong, bottom mea-
3 to 3½ feet high.....3.00	sure 24 to 30 inches.....\$6.00
3½ to 4 feet high.....4.00	5½ feet high.....8.00
4 to 5 feet high.....5.00	6 feet high.....9.00

Bush Shaped.

24 to 30 inches high..... 1.00 24 to 30 ins. high, 18-20 ins. across top 2.00

We Can Furnish Mission Tubs up to 12-inch at \$1.00 Each Extra.



The Geo. Wittbold Co., 739 Buckingham Pl., Chicago

ticultural world have sustained, we at this time note and wish it long remembered his keen sympathy with the object and aims of the New York Florists' Club, and his liberal support extended to the club at its various public exhibitions. His love of horticulture and his development of it on his estate were potent factors in directing and showing the highest expression of it in this country.

We remember with gratitude his unflinching courtesy and the kindly encouragement extended to the members of this club.

Resolved, That we tender to his family the deepest sympathy in their irreparable loss and that these resolutions be spread upon the minutes of this club and a copy sent to Mrs. Cutting.

Signed PATRICK O'MARA,
WALTER F. SHERIDAN,
CHARLES B. WEATHERED.

President J. A. Manda received a great ovation and three hearty cheers and a standing vote of encouragement were given the popular presiding officer as well as hearty congratulations from everyone present on his recent wedding.

Boston.

A LARGE SHIPPING TRADE.

Friday opened with a snow storm, followed by rain, then by a rise in temperature in the afternoon to 65°, and an all night temperature at 50°. Spring is here at last, and of course the tired feeling with some, but all are glad to experience something pleasanter than that which they have passed through. In some of the outlying cities and towns there is some depression caused by strikes and lockouts, and a general feeling of unrest, especially amongst the foreign born or Latin races. The

coal strike does not give us the shivers just now, although we will not say much until it is over. Easter is over for another year. There are some satisfied and some among the rose men who were not over good natured all the week. The wholesalers did a big business in roses, and the shipping business from Thursday, we were told, was phenomenal. The local call in the market dwindled to nothing Saturday. Red roses had a good call. It is a noticeable fact that in the market some will wait until the last day before ordering or buying, and then try to squeeze the price down. The shipping trade is the standby of the growers. We are neither throwing rocks nor bouquets, but those with facilities for handling large quantities of goods and ordering early get the cream of the trade, their customers are better satisfied, and there is a rebounding satisfaction to the grower who knows his goods are disposed of before the holiday has come. This may arouse an argument but we are here to tell the truth and give the readers something unvarnished, regardless of criticisms. The plant men had a satisfactory Easter. Ramblers and azaleas were good and sold readily, and the lily growers claim to have done a satisfactory business. It may seem strange but lilies were sold for 12 cents per flower and bud at wholesale, yet one flower store sold them at retail for the same price, and department stores at 12 to 15 cents. It is a question at what price the grower sold them, and how the trick was done. This is mighty poor business and certainly shows a lack of business sense on the part of the grower and a cutthroat method of killing himself as well as others. The retail stores were almost a unit at 25 cents per flower. Double violets arriving from out of the state were well

U S Budlong's E Blue Ribbon Valley.

bunched and packed, but they had a had feature of losing themselves, sometimes on the floor, if shaken gently. The single violets were good, carnations held up well, orchids had a good call, sweet peas were of fine quality and enjoyed a good demand. Gardenias sold well.

NOTES.

Andrew Christensen is one of Boston's intellectual florists and master of several languages. He is at present, after he sells his flowers in the market, studying French under a professor of that language. It is a pleasure to see some make every minute of their time count in some useful study. Andrew expects to take a continental trip again soon and to visit "Gay Paree." Then we have Robert Cameron, a Gaelic scholar, and W. N. Craig, a Latin scholar. Verily, we can show some class in Boston.

The seed trade has opened up with a rush. The back garden artists are having backaches getting ready for the expected crops of something that will scare the bugaboo of high prices and bring the general satisfaction of eating something that was raised by their own energy and get the freshness never had when bought at stores.

At the stand of E. Winkler is shown Heliotrope Centefleur. This is large flowered and of better color than the older varieties, but it lacks the sweet odor of the old favorites. MAC.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

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CHICAGO.

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

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Wholesale Growers of Cut Flowers,

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Greenhouses DES PLAINES, ILL.

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U S Budlong's E Blue Ribbon Valley.

Philadelphia.

BETTER TRADE THAN EVER.

Up to expectations and better than ever are the reports that come from reliable sources in the retail and wholesale branches of the trade in answer to questions about the volume of the Easter business. A look around the retail shops finds some of them entirely bare of flowering plants, while others who have still a few standing about say they are well satisfied, having had a large stock and the few that are left making little difference. The wholesale men all agree that it has been the best Easter that they have ever had, all saying they worked to the limit to get their orders out and could have sold more stock in nearly all lines if they had had it. The quality of the cut flowers offered was fully up to the average with the exception possibly of Easter lilies, the branches of these carrying more green buds than was profitable to the buyer. Lily of the valley was very scarce as were good double violets, there not being near enough of either to go around and late buyers, those who "wait to see," had a great time getting any. There was about enough of the rose stock except possibly American Beauties, which were all sold out quickly. The plant trade was as usual the feature of the Easter business and immense quantities were sold. The metrosideros from the W. K. Harris stock was about the only novelty and they sold well. Rambler roses did not appear to go with as much vim as last season, probably because they were not flowered so well—there must be lots of

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO April 10.		Per doz.
Roses, Beauty speciala.....		4 00
" " 36-in.....		3 00
" " 30-in.....		2 50
" " 24-in.....		2 00
" " 15-20-in.....	1 25@	1 50
" " 12 in.....		1 00
" " Short.....	4 00@	6 00
" Killarney.....	3 00@	10 00
" White Killarney.....	3 00@	10 00
" Richmond.....	3 00@	10 00
" Prince de Bulgarie.....	6 00@	12 00
" Mrs. Aaron Ward.....	6 00@	12 00
" My Maryland.....	3 00@	10 00
" Perle.....	3 00@	10 00
" Melody.....	6 00@	12 00
" Bride.....	3 00@	10 00
" Bridemaid.....	3 00@	10 00
" Uncle John.....	2 00@	6 00
" Mrs. Jardine.....	4 00@	8 00
Carnations.....	1 50@	3 00
Cattelyas..... per doz.,	4 00@	6 00
Dendrobium Formosum.....	5 00@	6 00
Gardenias.....	3 00@	5 00
Lilium Harrisi..... per doz.,	1 50	12 50@15 00
Mignonette.....		4 00
Spanish Iris.....		8 00
Sweet Peas.....	50@	1 00
Stocks, single..... per bunch,	75@	1 00
" double.....	1 00@	1 50
Tulpa.....	2 00@	3 60
Valley.....	3 00@	4 00
Violets, Single.....	75@	1 00
" Double.....		75
Adiantum Croweanum.....		1 00
Boxwood..... per bunch,		25
Ferns..... per 1000,	2 50@	3 00
Galsx bronze.....		1 25
Leucothoe.....		75
Plumosa String..... each,		69
Smilax..... per doz.,	1 50@	2 00
Sprenger, Plumosa Sprays.....	3 00@	4 00

flower and buds to make them go. Medium sized azaleas, hydrangeas, spiraea and genistas were all good sellers. The Easter lily was as heretofore the leader. Well-grown stock of giganteum or multiflorum in single plants to combinations of half a dozen, easily led

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
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CUT FLOWER HOUSE
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Wholesale Cut Flowers
Growers of

All telegraph and telephone orders given
prompt attention.

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Please mention the American Florist when writing

Dagger Ferns, per 1000, \$2.00 **500 Fancy Carnations, \$12.50**

Good, clean stock—no waste. The Best Ferns we ever handled. Special price in case lots.

Our selection of colors, such varieties best suited for shipping. Big value.

THE LEO NIESSEN CO.,

Wholesale Florists,

12th and Race St., PHILADELPHIA, PA.

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock. Also Asp. Plumosus Nanus Seed from my own plants. WRITE FOR PRICES.

W. H. ELLIOTT,

Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonal stock.

in the selling. A twelve-inch white tub with gilt bands, filled with plants containing twenty to thirty buds and blooms as seen in one of the shops, looked the real thing. Quite a few of the stores offered a line of baskets filled with growing plants that were very attractive. One dealer said, referring to baskets, "No, we don't carry them; they are too much bother at this time. Any kind of a decent basket made up costs from three dollars up without the precious time of filling and there is no more profit in it than in a plant that costs the same price and requires no skilled help or time in its preparation for sale." A very great help to the business was the splendid weather conditions. Each day was clear and ideal for shoppers, no rain falling until the afternoon of Easter Sunday. It took the buyers sometime to get started and dealers who had laid in large stocks early were wondering on Tuesday night just how they were coming out, as practically no business was done by that time. But Wednesday it was better and after that they did not have time to think about anything but handling the trade that came to them.

NOTES.

"All we had left was the empty ice-box," was the word at Berger Bros.' "We sold out to the last flower in the staples. It was much the best Easter we have ever had. Good Easter lilies were all gone long before they got tired ordering them and it was the same with double violets and lily of the valley, the latter being very scarce."

The Leo Niessen Co. moved an immense quantity of stock. They were strong on Easter lilies, American Beauty roses and violets and cleared up to the last flower. They were much pleased with the increase in the business over that of a year ago which was at that time a record breaker.

The S. S. Pennock-Meehan Co.'s report is that they never sold out so clean at any holiday before. Although they had an unusually large stock of Easter lilies, lily of the valley and carnations, they had to refuse many orders as the demand was greater than their large supply.

Easter trade was all right and very satisfactory, was the word at Edward Reid's. "Haven't had time to compare, but sold all our large stock out at prices that pleased both our customers and ourselves. Could have sold thousands more Easter lilies and violets."

The Philadelphia Cut Flower Co. report a record breaking business. Easter lilies and lily of the valley were specialties and despite their great preparation, there was not enough to go around.

A. M. Campbell moved a large stock of Emperor daffodils. They were exceptionally fine stock from his own nursery.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO N. Y.
 Florists' Supplies and Wire Designs.

Mention the American Florist when writing

Wholesale Flower Markets

BUFFALO, April 10.		Per 100.
Roses, Beauty, special	40	00@50 00
" " fancy	30	00@35 00
" " extra	15	00@20 00
" " No. 1	10	00@12 00
" " No. 2	3	00@5 00
Bon Silene	3	00@4 00
Perle	5	00@8 00
Maid and Bride	4	00@8 00
Pink Killarney	3	00@10 00
White Killarney	3	00@10 00
Richmond	5	00@10 00
My Maryland	3	00@8 00
Carnations	1	50@3 00
Callas	8	00@10 00
Daffodils	2	00@3 00
Daffodils, Single	2	00@3 00
Lilium Longiflorum	10	00@12 50
Lily of the Valley	3	00@4 00
Mignonette	3	00@4 00
Narcissus Paper White	2	00@3 00
Romans	2	00@3 00
Sweet Peas	75	@1 25
Tulips, Yellow and White	2	00@3 00
Violets	40	@60
Adiantum Croweanum	75	@1 50
Asparagus, per bunch	35	@50
Asparagus Sprengeri	35	@50
Myosotis	15c	to 35c per bunch

PITTSBURG, April 10.		Per 100.
Roses, Beauty, special	30	00@40 00
" " extra	15	00@25 00
" " No. 1	10	@00
" " Bride, Bridesmaid	2	00@6 00
" " Chatsenay	2	00@6 00
" " Killarney	2	00@6 00
" " My Maryland	2	00@6 00
" " Richmond	2	00@6 00
Carnations	1	50@2 00
Cattleyas		50 00
Lilium Longiflorum	10	00@12 00
Lily of the Valley		4 00
Oncidiums	3	00@4 00
Sweet Peas	25	@50
Violets, single		25
" double		50
Adiantum		1 00
Asparagus Sprengeri, per bunch	35	
sprays, per bunch	35	

WHITE and LAVENDER LILAC and BEAUTIES

We are handling quantities at very reasonable prices. Also a full line of all other flowers, including Freesia, Mignonette, Pansies, Lupins, Daffodils, Double Pink Killarnies and Hilda Roses.

McCALLUM CO.,
 Pittsburg Cleveland

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA

Mention the American Florist when writing

PHILADELPHIA, April 10.		Per 100
Roses, Beauty, extra	35	00@40 00
" " first	10	00@20 00
" " Brides and Maids	4	00@10 00
" " Killarney	4	00@15 00
" " White Killarney	4	00@15 00
" " Liberty	4	00@15 00
Callas	12	00@16 00
Cattleyas	35	00@50 00
Daffodils	2	00@3 00
Gardenias, per doz.	2	00@3 00
Lilium Harrisi	10	00@15 00
Lily of the Valley	3	00@5 00
Marguerites	75	@1 50
Mignonette	3	0 @4 00
Narcissus Paper White	1	50@2 50
Snapdragons	8	00@12 00
Sweet Peas	50	@1 00
Tulips	2	00@3 00
Violets, single	75	@1 00
" double	75	@1 00
Adiantum	1	00@1 50
Asparagus, per bunch	50	
Smilax	15	00@20 00

BOSTON, April 10.		Per 100
Roses, Beauty, best	25	00@50 00
" " medium	15	00@20 00
" " culls	2	00@4 00
" " Bride, Bridesmaid	2	00@6 00
" " Extra	6	00@12 00
" " Killarney and Richmond	4	00@16 00
" " My Maryland	4	00@16 00
" " Carnot	6	00@12 00
Carnations, select	1	00@3 00
Callas	8	00@12 00
Cattleyas	35	00@50 00
Gardenias	20	00@25 00
Lilium Longiflorum	8	00@12 00
Lily of the Valley	2	90@4 00
Narcissus, yellow	1	00@3 00
" white	1	00@3 00
Sweet Peas	25	@50
Smilax	12	00@16 00

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

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EAST HADLEY, MASS.—The Montgomery Rose Co. is erecting a new house 40x500 feet of King construction.

WEST PITTSBURGH, PA.—B. B. Carpenter is erecting three new greenhouses on Susquehanna avenue, one 35x190 feet and two 24x125 feet, the material being furnished by the King Construction Co. An office building and steam plant will be built in connection with the houses.

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Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, April 10.	
Roses, Beauty..per doz., 1 00@	5 00
.. Killarney	3 00@10 00
.. Richmond	3 00@10 00
.. White Killarney	3 00@10 00
Carnations	1 50@ 3 00
Lilium Giganteum	4 00@12 00
Lily of the Valley	3 00
Paper Whitea	3 00
Violeta	50@ 75
Sweet Peas	50@ 1 00
Adiantum	1 50
Asparagus.....per bunch,	50
.. Sprengerl, per bunch,	35@ 50
Ferns, Fancy.....per 1000,	2 50
Galax, green.....per 1000,	1 50
.. bronze.....per 1000,	1 50
Boxwood.....per bunch.....	25
Tulips, Single.....	3 00
.. Double.....	4 00
Daffodils.....	3 00
Poeticus.....	2 00

CINCINNATI, April 10.	
Roses, Beauty.....per doz.,	50@ 5 00
.. Per 100	
.. Bride, Bridesmaid.....	3 00@10 00
.. Killarney.....	3 00@10 00
.. My Maryland.....	3 00@10 00
.. Perle.....	3 00@ 8 00
.. Richmond.....	3 00@ 8 00
Carnations.....	2 00@ 3 00
Lilium Giganteum	10 00@12 50
Lily of the Valley	3 00@ 4 00
Jonquils.....	2 00@ 3 01
Sweet Peas.....	35@ 50
Violets, double	50
.. single	50
Adiantum	1 00
Asparagus Plumosus....per bunch,	25
Asparagus Sprengerl....per bunch	25
Tulips	2 00@ 3 00
Dutch Hyacinths.....	4 00@ 5 00

St. Louis, April 10.	
Roses, Beauty, medium stems.....	25 00@30 00
.. short stems	2 00@ 4 00
.. Bride, Bridesmaid.....	3 00@ 4 00
.. Killarney.....	4 00@ 8 00
.. My Maryland.....	3 00@10 00
.. White Killarney	4 00@ 8 00
Carnations.....	2 00@ 3 00
Callas	10 00@12 50
Easter Lilies.....	10 00
Valley.....	3 00@ 4 00
Asparagus Sprengerl.....	2 00@ 3 00
Violets, Single.....	35@ 50
Peas.....	40@ 60

Seattle Cut Flower Exchange

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1608 Second Ave., **SEATTLE, WASH.**

Everything in Cut Flowers, Greens,
Plants, etc.

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Mention the American Florist when writing

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Consignments Solicited

Complete Stock of Florists' GreensandSupplies

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GEO. H. ANGERMUELLER,
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1324 Pine Street, **ST. LOUIS, MO**

New York.

AN IMMENSE BUSINESS.

The wholesale cut flower market during Easter week was as a general thing very satisfactory. The weather was all that could be desired, and there was an unprecedented call for lilies, callas, violets, lily of the valley and the dark colored orchids. The volume of business done was enormous, but at closing time on Sunday many of the dealers had still on hand a large supply of white roses, stocks, mignonette, wall-flowers, jonquils, tulips and carnations. With the exception of dark colored orchids, the supply of other varieties far exceeded the demand. Gardenias of the very best quality were very plentiful and the prices were disappointing. Sweet peas were very good and met with ready sale and the same can be said of lilac. There was not the active demand for roses that was expected, but the best grade blooms of Radiance, Mme. Chatenay, Richmond, Mrs. Aaron Ward and Mrs. Jardine were disposed of quickly. The shipments of jonquils from the south were very heavy and were of exceptionally good quality, which affected the sale of the home-grown stock to a very great extent. There was a good demand for smilax and asparagus, but an oversupply of adiantum which moved slowly. The bulk of the violet shipments were of very poor quality showing the effect of the hot spell, but under the circumstances cleared out remarkably well, though the flowers that were most worn in the Easter parade on Fifth avenue seemed to be gardenias, sweet peas and orchids. While it is true that all the plant growers sold out all the stock that was good, many of the retailers had a great many plants on hand especially the larger sizes, on Sunday at noontime.

Tuesday, April 9—There is a good supply of everything and the demand is very light, and there has been a considerable cut in prices all along the line.

NOTES.

Charles H. Totty, chairman of the National Flower Show committee, will sail shortly for London and the continent in the interest of the National Flower Show, which will be held in the New Grand Central Palace, April, 1913. A great deal of important work is being accomplished by the Local Governing Board which are holding weekly meetings at the office of Traendly & Schenck. Mr. Traendly is chairman of this committee.

The Weathered Co. have closed contracts for one curved eaved house, 55x250 feet for William Ryder, Wantagh, L. I., one house 16x181 feet for E. Butchenkirk, Sea Cliff, L. I. One house 25x150 feet for W. G. Muller, Newark, N. J. This firm has also just completed a range of greenhouses 25x400 feet for George J. Gould, Georgian Court, Lakewood, N. J.

Joseph A. Manda sprang a pleasant surprise on his friends by announcing his marriage to Mrs. Mary Esch, which had taken place on March 6. Mr. Manda gave a wedding supper on Sunday at Cavanaugh's restaurant, in Twenty-third street. He is very popular as president of the New York Florists' Club and has a host of friends, all of whom wish him every happiness.

Marius Matheron of Hempstead as usual sent in a large shipment of carnations of fancy quality which commanded the highest market prices. Mr. Matheron will erect a new house the coming summer, 60x300 feet.

Woodrow & Marketos had two large stores completely filled with the finest stock of plants of all kinds and did a wonderful business. This is not surprising as all of their stock was of the very best quality.

Charles Newrock, who for years conducted a retail store at Sixth avenue

Satisfaction Guaranteed.

We Never Disappoint.

HENRY M. ROBINSON & CO.

New York.

Boston.

We Handle Stock of 100 of the Best Growers.**Our Specialties Are:**

Roses, Aaron Ward, Waddell, Rhea Reid, Lady Hillingdon, Taft, Beauty, Cardinal, Bon Silene, Killarneys, Safrano.

Carnations, Single Violets, Pansies, Valley, Orchids, Gardenias, Sweet Peas, Snapdragons, and all Seasonable Flowers.

We are prepared to ship to all parts of the United States and Canada. Special attention given to all orders. All flowers packed with greatest care in order to insure safe arrival. No charge for packing.

Consignments of First-Class Stock Solicited.**A Square Deal to Both Grower and Retailer.**

Write, Wire or Telephone.

HENRY M. ROBINSON & CO.

Wholesale Commission Florists, Importers and Manufacturers of
Florist Supplies, Dealers in Hardy Cut Evergreens,

46 West 26th St., Telephone Madison 8510. NEW YORK

and Fourteenth street, died on Sunday of abscess on the brain. Mr. Newrock was well known as one of the old time florists and was a member of the Society of American Florists.

Never before did J. H. Small & Sons have their store so nicely arranged for the display of their Easter plants. The effect was beautiful and the street in front of the store was crowded at all times.

Gunther Bros. in addition to their usual fine supply of carnations, received large shipments of lily of the valley of A No. 1 quality which were disposed of quickly at advanced prices.

Charlie Millang is improving rapidly and is able now to attend to business regularly. Mr. Millang as agent for the Ford Car has sold two delivery automobiles to Frank R. Pierson.

Wm. Peters & Sons of Hempstead had 17,000 carnations in their cut of Friday and Saturday, all of this stock is sold on the floor of the New York Cut Flower Co.

Philip F. Kessler did the largest business of his career, and was fortunate in having a very large supply of lilies, callas and smilax in flower.

Wm. A. Kessler did a fine business in plants and on Sunday was completely sold out of everything that was good.

Cincinnati.**STOCK VERY PLENTIFUL.**

There was easily plenty of everything for Easter and at the close only the very best stock was used. The receipts the early part of last week showed plainly that many growers were holding back and prices were forced up to a level almost twice as high as at the close. Few growers gave their commission men or sales managers any satisfaction in their answers to early inquiries. This holding back combined with sunshine and lots of it from the middle to the close of the week, brought in a large amount of stock in very little time and the

supply was greater than the demand could possibly take care of. As a result, only the best was taken up and everything soft that came in late was passed up entirely. The two flowers that were long in particular were carnations and lilies. Everyone, particularly the growers, predicted a short cut. There was, however, many more than could be used to advantage. Many from out of town came in too soft to be used.

CLUB MEETING.

The regular monthly meeting of the Florists' Society was held Monday evening at the club rooms. The executive committee of the flower show through Secretary Geo. Bartlett handed in their final report which showed that every cent coming to the committee had been received by them and every penny had been paid that the committee owed. Their report was unanimously accepted and they were relieved from further duty. Then the president, Gust Adrian, in a few well chosen words on behalf of the society thanked the committee for their earnest and hard endeavors which made the affair the artistic success it was.

NOTES.

C. E. Critchell received a large cut of carnations from Tom Windram. Tom always manages to have a good strong cut at this time of the year.

The J. M. McCullough Son's Co. cut flower department report a splendid Easter business.

Visitors—L. F. Benson, Indianapolis, Ind.; Miss E. Burrill, Clifford. H.

SPRINGFIELD, O.—The Florists' Club held its monthly meeting at the office of the American Rose & Plant Co. March 18. One new member was elected and a paper on "Peonies" prepared by John M. Good was read. An invitation to visit the farm of Ward Welsh during the summer was accepted.

PHILADELPHIA NEW YORK WASHINGTON
S. S. Pennock-Meehan Co.
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 Everything in Cut Flowers.
 PERCY B. RIGBY, Treasurer, Everything in Supplies

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 55 and 57 West 26th St., NEW YORK
 Telephones: 7062-7063 Madison.

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 1665 }

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J. K. ALLEN Wholesale Dealer in
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 Established 1887
 106 W. 28th Street, NEW YORK
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 Growers desiring top market price for their flowers should give me a trial.

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Paul Meconi
 Wholesale Florist
 55-57 West 26th Street
 NEW YORK CITY
 Telephone: 3864 Madison Square

Wholesale Flower Markets

	NEW YORK, April 10.	Per 100
Roses, Beauty, special.....	15	00@40 00
" extra and fancy.....	10	00@15 00
" No. 1 and No. 2.....	2	00@ 8 00
" Bride, Bridesmaid, special.....	4	00@ 6 00
" extra and fancy.....	2	00@ 2 00
" No. 1 and No. 2.....	1	00@ 2 00
" Killatney, My Maryland ..	6	00@ 8 00
" extra and fancy.....	3	00@ 1 00
" No. 1 and No. 2.....	1	00@ 2 00
" Richmond.....	1	00@10 00
Carnations.....	1	00@ 4 00
Cattleyas.....	20	00@75 00
D. Formosum.....	15	00@25 00
Freecias.....	1	00@ 1 25
Gardenias.....	10	00@25 00
Lilies, Longiflorum and Harrisli..	4	00@10 00
Lily of the Valley.....	2	00@ 4 00
Oncidiums.....	5	00@10 00
Sweet Peas.. per doz, bunches, 1	00@	1 25 50
Violets.....	10	@ 1 50
Adiantum Croweanum....	75	@ 1 00

Moore, Hentz & Nash,
 WHOLESALERS COMMISSION FLORISTS
 55 and 57 West 26th Street,
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 Madison Square. NEW YORK

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 Successor to Kessler Bros.
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WHOLESALE PLANTSMEN AND FLORISTS
 phone 2336 Madison. Shipments Everywhere
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are distinctive, designed especially for the discriminating clientage every florist covets. Finest white stock, special writing surface (not stained by water), printed in colors, embossed if you wish, Dennison patch eyelet, perfect workmanship.

Let us design for you a Dennison Tag, incorporating your coat-of-arms, special flower, or lettering. Many will receive your flowers who will like to remember your name. On a Dennison Tag it will not be forgotten.

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Dennison Manufacturing Company

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 Caldwell the Woodsman Co.
 Everything in Southern Evergreens.
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Cut Ferns
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 Dealer FANCY and Ferns
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WILD SMILAX
 Satisfaction Guaranteed
J. E. PINKSTON, Louisville Ala.
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FANCY FERNS, \$2.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
 Sphagnum MOSS, large bales.....\$2.50
 Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
 Boxwood.....per pound 20c; 50-pound case, \$7.50
 Magnolia Leaves, Imported Green and Bronze. Basket, \$2.25; 6 baskets \$2 each
 Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

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 Shipment commencing Sept. 1st.
 Natural and Perpetuated Sheet **MOSSES**
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 Wholesale and Retail Dealers
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	10-in.	12-in.	14-in.	16-in.	18-in.
Doz.....	\$1.25	\$ 1.50	\$ 2.25	\$ 3.00	\$ 5.00
100.....	8.00	10.00	17.00	22.00	35.00

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DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
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GANGER & GORMLEY

187 N. State St.
HIGH GRADE OF FLOWERS.

Phones } Central 5196 All orders are very
 } 2190 carefully executed
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Greenhouses: Short Hills, N. J.
— Deliveries in —

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200,000 Square Feet of Glass.
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Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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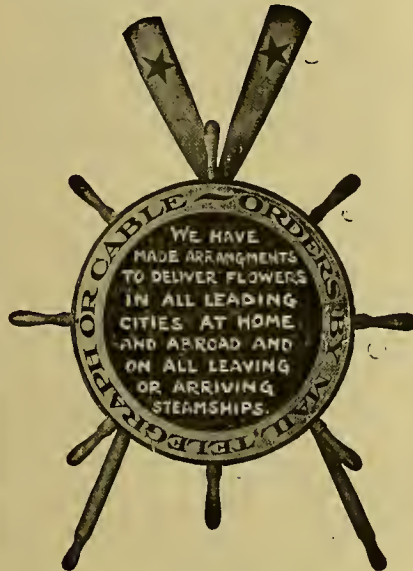
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A sign like this in your window will draw good Business now.

Steamship Sailings.

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April 16.
Bleucher, Ham.-Amer., 9 a. m., Hoboken Pier.
Ryndam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kronprinz Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Franconia, Cunard, 9 a. m., East Boston Dock.
April 17.
Lusitania, Cunard, Piers 54 and 56, North River.
April 18.
Cedric, White Star, 12 noon, Piers 59 and 60, North River.
La Touraine, French, 10 a. m., Pier 57, North River.
Moltke, Ham.-Amer., 10 a. m., Hoboken Pier.
George Washington, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BALTIMORE, Neckar, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.
FROM ST. JOHN, Pomeranian, Allan.
April 19.
FROM ST. JOHN, Empress of Ireland, Can. Pac., 12 noon.
April 20.
Philadelphia, Amer., 9:30 a. m., Pier 62, North River.
Titanic, White Star, 12 noon, Piers 59 and 60, North River.
Lanland, Red Star, 10 a. m., Pier 61, North River.
California, Anchor, 10 a. m., Pier 64, North River.
Chicago, French, Pier 57, North River.
Cincinnati, Ham.-Amer., 11 a. m., Hoboken Pier.
Columbia, Austro-Amer., 1 p. m., Bush Dock, Brooklyn.
Venezia, Fabre, 3 p. m., Brooklyn Dock.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.

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Geo. M. Kellogg Flower & Plant Co.

122 Grand Ave. Will fill all orders for Cut
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that may be entrusted to them

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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Mutual discounts, 20 per cent.

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Corner Miami and Gratiot Avenues.

Artistic Designs.

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Mrs. J. B. Freeman

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Both Phones, 527.

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Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bro. Co., Indianapolis, Ind.
Bolaud, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Canger & Gornley, Chicago.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L. Washington.
Crump, Frank, Colorado Springs, Colo.
Danlela & Fisher, Denver, Colo.
Dard'a, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hehl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Joy Floral Co., Nashville, Tenn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 25 E. Madison St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, The Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Reimera, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City.
Saakea, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfkill Bro. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, **DARDSFLOR.**

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

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WILLIAM L. ROCK Flower Co.

Will execute orders for any town in

Missouri, Kansas or Oklahoma
Members Florists' Telegraph Delivery.

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W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.
Mention the American Florist when writing

Terre Haute, Ind.

John G. Heinel & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

Louisville, Ky.

JACOB SCHULZ,

Members Florists' Telegraph Delivery.
550 So. Fourth Avenue.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M. C. Rowe

IN THE HEART OF NEW YORK CITY.

Phone 6404 Madison Sq. 12 West 33d St
Our Motto—THE GOLDEN RULE

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America,
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHEROrder by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



Montreal.

*McKenna*Cor. St. Catherine and Guy Sts.
All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Soo, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Cauger & Gormley.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Brettmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
Little Rock, Ark.—Vestals, 409 Main St.
London, Eng.—Wills & Segar.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Newark, Ohio—Chas. A. Duerr.
Nashville, Tenn.—Geny Bros.
Nashville, Tenn.—Joy Floral Co.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard'a, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentine, 153 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saliford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Louis, Mo.—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Hehl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sta.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flower's

SAN FRANCISCO**Podesta & Baldocchi**

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out
of town florists Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: ; FLORIST : ;

Phone 2416 Main, 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best
Dunlop's
96 Yonge Street.We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

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Newark, Ohio.

CHAS. A. DUERR,

The Arcade Florist,

Greenhouses
Graoville' O.. Phone 26. Auto. Phone 1840
Member of Florists' Telegraph Delivery.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Mention the American Florist when writing

Seattle, Wash.

L. W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Mention the American Florist when writing

Omaha, Neb.

Hess & Swoboda
FLORISTS.

1415 Farnum St. TELEPHONES
1501 and L 1582

Mention the American Florist when writing

WITTBOLD'S

New Display Rooms. 56 E. Randolph Street
CHICAGO

Flowers Palms Decorations
Rented or Sold

Phones: Randolph 4708 Nursery, Rogers
Park 227; Evanston 829; Wi. mette 658

Please mention the American Florist when writing

Nashville, Tenn.

Never before in the history of the floral business in this city has there been a finer or more abundant supply of flowers than in the Easter just passed. Every store was full to overflowing with reserve stock in the cellars and greenhouses. The wonder was where the purchasers came from to use up such a supply. To view the flowers alone was well worth a visit to the florists stores, and once there the impulse to possess some of the rare treasures are irresistible. The florists' stores were thronged constantly for the four principal days and when it was all over while there were still some pretty things left, the stock of a few hours before were scattered through the homes and churches of the city. The sale was wonderful and the weather fairly satisfactory. While April made a few spurts to be April-like, it did not rain to do any great harm and as long as the florists kept their doors open sales were being made.

NOTES.

The Joy Floral Co. had a pretty arrangement in the store with a rising platform which showed the plants off to advantage. They had a large supply of lilies, rhododendrons, white lilac, pink and red rambler, hydrangeas well flowered and large. These were special favorites and being out of the usual run of the winter's flowers, met with ready sale. One of their novelties was the baskets filled with orchids containing numbers of blooms and finished with orchid tinted ribbons. Potted hyacinths and other bulbous stock, being modest in price commanded a large sale as did tulips and narcissi. In cut flowers there was an equal abundance. Mr. Joy said the trade had been entirely satisfactory and one of the best Easter trades he had ever known.

The spacious store of Geny Bros. was a perfect picture of bloom and beauty. They had hundreds of lilies and their strong line was the Crimson Rambler roses. Hundreds of pots of these beautiful plants went off rapidly in a phenomenal sale. Potted hyacinths, tulips, etc., filled in the medium trade and were sold as fast as they could be handed over the counter. An extra force of clerks was called in to wait on the trade and all were kept busy. Handsome baskets filled with blooming plants sold well and some were gems of artistic beauty. Mr. Geny was all smiles and said his trade had been all he desired.

L. Haury & Sons made an elegant Easter display and attracted to their store a fine lot of customers who were liberal in spending their money. Their stock was excellent with lilies, rambler roses, white lilac and all the other Easter belongings, and they sold out almost completely. They had beautiful decorated baskets and filled many orders for them. Bulbous stock they had in plenty and it sold well. It is their first Easter in the uptown store and they expressed themselves as much pleased with their trade.

McIntyre Bros. in the market house and at their greenhouses did a splendid business and sold out pretty well. Like the others they had baskets and cut flowers and roses of all kinds for which they had a demand. M. C. D.

NEW BEDFORD, MASS.—The annual dinner of the New Bedford Horticultural Society was held at the Parker house, March 21. The room was lavishly decorated and the members were entertained by interesting remarks after the banquet.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Camb. Main 1388 A.

..... 634 Fourth Avenue.

Mention the American Florist when writing

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

Mention the American Florist when writing

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Llobell 2153; Kinloch, Delmar 768
Mention the American Florist when writing

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either
Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4988
Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Salford Flower Shop"

Vassar College and Bennett School.

Mention the American Florist when writing

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.
Mention the American Florist when writing

New York.

MYER, FLORIST 609-611 Madison Ave.
Phone 5297 Plaza.

Mention the American Florist when writing

Rockford, Ill.

H. W. Buckbee
Colorado Springs, Colo.

Mention the American Florist when writing

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association
Mention the American Florist when writing

Budding Knife Free

SEE PAGE 741.



BEDDING PLANTS

Palms and Ferns

A Large Assortment of Extra Choice Stock.



Pteris Cretica, Albo Lineata.

Pteris Serrulata.

BEDDING PLANTS.

Achyranthes—rooted cuttings.	Per 1,000
P. de Bailey	\$6.00
Metallica	8.00
Lindenii	8.00
Warszewiczii	6.00
ACHRYANTHES—2-Inch.	Per 100
P. de Bailey	\$2.50
Metallica	2.00
Lindenii	2.00
Warszewiczii	2.00
AGERATUM, Stella Gurney—2-Inch.	2.00
Princess Pauline—2-Inch	2.00
Cyclamen, seedlings, best varieties	\$2.50
Cyclamen, 2-inch, best varieties.	4.00
Coleus, 2-inch, Pfister, red and yellow; Beckwith's Gem.	2.00
Gnaphalium Lanatum—3-inch	\$5.00
Gnaphalium Lanatum—2-inch	4.00
Heliotrope, 3-inch	2.00
Chrysanthemum, Maximum, Perfectum (Improved Shasta Daisy), strong seedlings	5.00
Ivy, English—	
3-in.	\$0.75 per doz.
4-in.	1.50 per doz.
Ivy, German, 2-inch	\$2.00
Ivy, German, 3-inch	4.00
Lantana Delicatissima, 2-inch	2.00

ALTERNANTHERA.

Red and Yellow.

2-in.	\$2.50 100; \$25.00 1,000
3-in.	\$4.00 per 100

ENGLISH IVY.

R. C.	\$10.00 1,000
-------	---------------

LANTANA DELICATISSIMA.

R. C.	\$6.00 1,000
-------	--------------

VINCAS.

R. C.	\$10.00 1,000
-------	---------------

TRITOMA.

Pfizeri, divisions	\$3.00 to \$8.00 per 100
Mixed, divisions	1.00 to 5.00 per 100

Lobelia Catherine Mallard, 2-inch	\$3.00 25.00
Marguerites, yellow cuttings	8.00

Mrs. F. Sanders, new double white—	
2-inch	3.00
3-inch	6.00
Cuttings	15.00

SALVIA—2-Inch.	Per 100
Bonfire	\$2.00
Zurich	2.00

BULBS.

DAHLIAS—	Per 100
Thatcher, double yellow	\$12.00
Sylvia, light pink	12.00
A. D. Livoni, shell pink	12.00
J. Cowan, single	12.00
J. Downie	12.00
Ami Barillet, single	12.00
Fashion, single	12.00
Field Clumps	\$80.00 per 1,000
Ismene Calanthis—	
1st size	6c each
2nd size	4c each
3rd size	2c each

PALMS

LATANIA BORBONICA.				
2-in., 1 to 2 leaves	\$3 per 100; \$25 per 1,000			
4-inch	\$3 per doz.; 20 per 100			
5-inch	\$5 per doz.; 40 per 100			
ARECA LUTESCENS.				
3-in., 3 plants in a pot	\$2.00 per doz.; \$15.00 per 100.			
KENTIA BELMOREANA.				
Pot.	High.	Lvs.	Doz.	100
2½-inch	8-in.	4	\$ 1.50	\$12.00
3-inch	8-10-in.	4-5	2.00	15.00
4-inch	12-in.	4	3.60	30.00
4-inch	12-15-in.	4-5	4.50	35.00
5-inch	15-18-in.	5-6	6.00	50.00
5-inch	18-20-in.	5-6	Each.	Doz.
6-inch	20-22-in.	6-7	\$ 0.75	\$ 9.00
6-inch	22-24-in.	6-7	1.50	18.00
9-inch	48-50-in.	7-8	8.00	



KENTIA FOSTERIANA.

Pot.	High.	Lvs.	Doz.	100
2-inch	8-10-in.	4	\$ 1.50	\$12.00
3-inch	12-14-in.	4-5	2.00	15.00
4-inch	14-16-in.	4-5	4.50	35.00
5-inch	20-24-in.	4-6	\$ 0.75	\$ 9.00
6-inch	24-30-in.	5-6	1.00	12.00
6-inch	30-36-in.	5-6	1.50	
9-inch	46-50-in.	6-7	7.00	

MADE UP.

Pot.	High.	In a Pot.	Each.
7-inch	24-30-in.	3-4	\$ 2.50
9-inch	50-54-in.	3-5	8.00
10-inch	58-60-in.	4-5	10.00
12-inch	62-70-in.	4-5	15.00

PHOENIX CANARIENSIS.

7-inch	High.	Each.
7-inch	36-40-in.	\$ 2.50
8-inch	46-50-in.	4.00
10-inch	50-54-in.	8.00
10-inch	60-64-in.	10.00

PHOENIX RECLINATA.

4-inch	25c each; \$3 doz.; \$20 per 100
5-inch	50c each; \$5 doz.
6-inch	75c each; \$9 doz.

PHOENIX ROBELENI.

2½-inch	\$2.00 per doz.; \$15.00 per 100
3-inch	\$3.00 per doz.; \$22.50 per 100
5-inch	\$9.00 per doz.; \$70.00 per 100
6-inch	\$12.00 per doz.
6-inch, strong	\$2.00 each
7-inch	2.50 each

SPIRAEAS, Peach Blossom, in bloom 50c each; \$5.00 per dozen.
Queen Alexandra, 50c each; \$5.00 per dozen.

FERNS.

BOSTONS.			
Size.	Each.	Doz.	100 1,000
3-inch		\$ 1.00	\$3.00 \$25.00
3-inch		1.00	12.00
Asst. Ferns, for Dishes, 2-in.		\$0.40 doz.;	
		\$3.00 per 100; \$25.00 per 1,000.	
Cibotium, 7-inch			
		Each.	Doz.
8-inch		\$2.50	\$30.00
		3.00	36.00

Stove and Greenhouse Plants

Aspidistra, Variegated	15c per leaf
Araucarias—	
6-in., 4-5 tiers.	\$1.00 each; \$12.00 per doz.
7-in., 4-5 tiers.	1.50 each; 18.00 per doz.
Asparagus Plumosus—	
2-in.	\$0.40 per doz.; \$ 3.00 per 100
3-in.	.75 per doz.; 6.00 per 100
4-in.	1.50 per doz.; 12.00 per 100
Cyperus, 2-in.	2.00 per 100
4-in.	1.50 per doz.; 10.00 per 100
Dracaena Indivisa—	
2-in.	\$3.00 per 100; \$25.00 per 1,000
7-in.	\$1.25 each; \$15.00 per doz.
Dracaena Massangana—6-in.	
7-in.	\$1.25 each 1.50 each
Dracaena Terminalis—	
4-in.	\$0.35 each; \$4.00 per doz.
Ficus Elastica (Rubbers)—	
6-in.	\$0.50 each; \$6.00 per doz.
Pandanus Utilis, 3-in., per doz.	
Pandanus Utilis, 4-in., per doz.	\$1.50 3.00
PANDANUS VETICIL. Each. Doz.	
4-inch	\$0.50 \$ 5.50
5-inch	.75 9.00
6-inch	1.00 12.00
Tradescantia Variegata (Wandering Jew)—	
2-inch	\$0.40 per doz.; \$3.00 per 100
VINCAS—	
	Doz. 100
2-inch	\$ 2.50
3-inch	5.00
4-inch	\$2.50 15.00
	Per 1,000

PANSIES, transplanted seedlings...\$5.00

NURSERY STOCK.

From the Field, for Spring Shipment.			
SHRUBS, Feet. Each.			
Morus Alba (Russian Mulberry)	3-4	\$0.10	
Morus Alba	4-5	.15	
Rhus Typhina Laciniata (Cut leaf Sumach)	2-3	.05	
Rhus Typhina Laciniata	3-4	.10	
Rhus Typhina Laciniata	4	.15	
Rosa Rugosa, mixed	1½-2	.10	
Rosa Rugosa, mixed	2-2½	.15	
Rosa Rugosa Alba (Single White)	1½-2	.10	
Rosa Rugosa Alba	2-2½	.15	
Spiraea Van Houttei (Bridal Wreath)	1-2	.05	
Symphoricarpos Racemosus (Sawberry or Waxberry)	2	.05	
Symphoricarpos Racemosus	2-3	.10	
Symphoricarpos Vulgaris (Indian Currant)	1-1½	.05	
Symphoricarpos Vulgaris	2-2½	.10	
Symphoricarpos Vulgaris	3	.15	
PERENNIALS.			
Achillea The Pearl (Sneezewort)		\$0.10	
Bottonia Asteroides (False Chamomile)		.15	
Iris, German, named varieties, divisions according to size of clump		\$0.02 and up	
Yucca Filamentosa (Adam's Needle or Spanish Bayonet)		.10	
Yucca Filamentosa		.15	



Pteris Magnifica.



Pteris Wilsoni.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

THE BURPEE BIRTHDAY.—W. Atlee Burpee and his son David celebrated their birthday April 5.

CHICAGO.—Prices on the Board of Trade, April 10, for grass seed were noted as follows: Timothy, \$8 to \$14.50 per 100 pounds.

A. J. BROWN, of Grand Rapids, Mich., attributes the present unusual demand for onion seed to the fact that onions are now selling at the highest price known since 1885.

PRESIDENT LEONARD H. VAUGHAN, of the American Seed Trade Association, who has been confined to his home with scarlet fever since April 1, is reported progressing favorably.

MARSHALL H. DURYEA, of the Nungesser-Dickinson Seed Co., elsewhere on this page, urges all New York state seedsmen to write Governor Dix with reference to the Wilson Pure Seed Bill, now before the governor for consideration, and everyone should comply.

ROCHESTER, N. Y.—James Vick's Sons write that though Rochester may not be the coldest spot it will stand toward the head and considering weather conditions the sales have held up surprisingly well. The ground is now frozen three and a half to four feet deep, with snow in shady places, and such conditions are not conducive to early sales, yet we are not so far behind but that a good run of sales in April and May will bring the total up to last year.

J. C. VAUGHAN (democrat) will again have James R. Mann (republican) for his opponent in the fall election of representative for the Second Illinois Congressional District, the latter having defeated the other republican candidate in the primaries April 9. This district is one of the largest and most densely populated in the country, including some of Chicago's greatest industrial enterprises and considerable residential territory. At the last election Mr. Vaughan reduced Mann's previous majority by some 17,000, losing only by about 1,400 votes. With the city and county offices at Chicago under democratic instead of republican control Mr. Vaughan's chances are improved.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

New York Seed Bill.

A New York state seed bill, known as the Wilson Pure Seed Bill (No. 1455—1920 Int. 1265) introduced in the assembly March 7, 1912: "An act to amend the agricultural law in relation to inspection and sale of seeds," has passed in the assembly and senate, and is now before the governor for his consideration. I would particularly call attention to the following passage on page 2, line 13: "Containing in excess three per centum by count of foul and foreign seeds."

My principal objection to the bill in its present form is the word "count," for which the word "weight" should be substituted, as the method provided in the bill has been found to be impractical. The Department of Agriculture at Washington makes all its tests by weight, and furthermore, all state seed analysts throughout the country recommend that such tests should be made by weight and not by count.

As many seedsmen in New York state have their seeds tested by the department at Washington, all such tests would be useless under the proposed law, and dealers doing an interstate business would be seriously handicapped, as they would be obliged to make two tests, one by weight and one by count, because the results made by each test vary materially.

I believe if the dealers throughout the state would file their protest with Governor Dix, writing him especially along these lines, he might be induced to withhold his signature from the bill in its present form.

The Holland Outlook.

The following is an extract from a letter received from one who is thoroughly conversant with the conditions of bulbs and bulbous roots in Holland: "Spring is much earlier with us this year than anyone can remember. We now already have daffodils in full flower, and some of the early varieties of hyacinths are in bloom. What will be the result nobody can tell. We expect the cold north winds in March and April as usual, and are afraid that the tender plants will suffer a great deal. But so far we have had a very early season, and all the bulbous stock looks very well. There was some harm done by the heavy rainfall which we had in November and December of last year. We hope prices for tulips will advance for they are now sold at prices below cost of production, and prices for narcissus are advancing owing to increased demand and reduced stocks. Hyacinths will be about as at the end of the season last year.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

"Gladioli are the favorites nowadays, and, as you have certainly found out in America (we think with Gladiolus Kunderdi "Glory,") some people are mad in Holland, and we talk here about gladiolus fever. Spiræas are planted out, but are not so plentiful as expected. The poor growing season of last year made a poor stock for making divisions. Peonies and all perennials are selling better than ever, in fact, there is a shortage in nearly every line of bulbs and bulbous roots."

Uncle Sam Guardian of Bean Growers.

That the Lima Bean Growers' association of California is to be operated in future in accordance with the advice of the legal heads of the United States government was the statement made recently by Charles Donlin, president of the association, and J. Waterman, its general manager, just prior to a conference between them and United States Attorney A. I. McCormick.

"If the government considers our organization as a monopoly in restraint of trade it shall be dissolved as it is operated at the present time," said Donlin. "On the other hand, if we find that we have not overstepped the law in our manipulations there will be no material change in our methods. We do not believe that the Sherman anti-trust law is being violated, but if it is we are just as anxious as any one else to effect a change."

California Seed Crops.

We have received the following telegram from a well known California seed grower, dated April 9: "More rain has fallen in the seed growing districts and crop prospects are greatly improved, a total to date of about 50 per cent of the normal rainfall. Sweet peas, probably, will be very short. All conditions from now on will have to be most favorable to make anywhere near an average crop. The recent Santa Cruz correspondence in another trade paper is very misleading as there is practically no seed grown in San Joaquin valley."

LYNN, MASS.—Thomas Roland of Nahant has offered a silver cup valued at \$25 for the best display of sweet peas made by any school of Lynn or Nahant at the show of the National Sweet Pea Society of America to be held July 13-14, 1912.

Established 1810.

Denaiiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.



TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.
Mention the American Florist when writing

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn.

IF IT IS

Water Melon and Musk Melon Seeds

Get them from

J. FRANK CORRY,

Contract Grower, ENID, OKLAHOMA.
Complete Delivery by Oct. 15, 1912.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**



H. WREDE, LUNEBURG, GERMANY PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed... 25c
1 oz. ... \$2.25

Price list on application. Cash with order.

—FOR—

SEEDS

OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England.

BURNETT BROS.

Importers and Growers of
Seeds, Bulbs, Plants
and Horticultural Sundries.

Telephone 2223 Cortlandt, NEW YORK
72 Cortlandt Street,
Write for our 1912 Spring Catalogue.

—CHOICE—

German Flower Seeds

Catalogue free on application.

FREDERICK ROEMER,
Seed Grower, Quedlinburg, Germany

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
1876 Milwaukee Ave., CHICAGO



Japanese Lily Bulbs



All Orders Booked Now. 1912 Fall Delivery. Send for Our Wholesale Price List.

Lilium Giganteum, Longiflorum, Formosum, Multiflorum, Magnificum,
Melpomene, Rubrum, Album, Auratum, and about twenty other kinds.
All in large supply and good quality, at right prices.

Connect directly with growers and exporters in Japan. Time is now. Don't miss it.

THE JAPAN LILIUM CO., 952 40th St., Oakland, Cal.

BEANS, PEAS, RADISH

and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Write today for Special Trade List, as advance order, 1912 Fall delivery.

JAPANESE SEEDS

LARIX, Pinus, Cinnamomum, Abies, Melia, Etc.

T. AMEMIYA & CO.,

Growers and Importers of All Kinds of
JAPANESE SEEDS and LILY BULBS.

Nurseries and Farm Yards:
Kamine, Kitaadachi, Saitama, Japan.

220 Clement Street,
SAN FRANCISCO, CAL.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster,
Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn
Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100.. \$13.00
Rubrum, 9 in.-11 in. per 100.. 9.00
Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberose, Double, pearl, 4 in-6 in., \$3.00 per 1000.

WEEBER & DON Seed Merchants
and Growers,
114 Chambers Street, NEW YORK, N. Y.

MANN'S

Lily of the Valley

are the finest in existence and their flowers
bring the best prices on the London mar-
ket For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

Onion Sets

FANCY RECLEANED HAND
PICKED

Fancy Recleaned Yellow Sets, \$2.50
per bu.

Fancy Recleaned Silver Skin, \$2.50
per bu.

SEED POTATOES

Maine Grown

All Standard Varieties.

J. Bolgiano & Son

Almost 100 Years' Established Trade
Wholesale Seedsmen,

BALTIMORE, MD.

S. D. WOODRUFF & SONS,

ORANGE, CONN. NEW YORK CITY.
Seed Growers and Importers.

Specialties: Beet, Carrot, Sweet Corn, Peas,
Beans, Onion Sets and Seed Potatoes. Cata-
logue free. Quick freight shipments from New
York, via rail or steamer to all parts of the U. S.

Asparagus Plumosus Plants

2 1/2-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best ob-
tainable \$1.00 per 100;
\$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA

Leedle Roses Big Values!

Summer grown, winter rested, on own roots. These varieties in large blocks, choice; many other sorts in limited quantities. If you need anything different, write.

TEAS	2½-in.		4-in.	
	Doz.	100	1000	100
Bougere	\$.50	\$3	\$25	\$10
Bridesmaid	.50	3	25	10
Duchesse de Brabant	.50	3	25	10
Freiher von Marschall	.60	4	35	12
Isabella Sprunt	.50	3	25	10
Ivory	.50	3	27½	10
Lady Hillingdon	2.50	20	175	50
Mlle. Franzisca Kreuger	.50	3	25	10
Maman Cochet (Pink)	.50	3	27½	10
Marie Lambert	.50	3	25	10
Marie Louise	.50	3	25	10
Mrs. Ben R. Cant	.50	3	25	10
Mrs. Dudley Cross	.60	4½	40	12
Papa Gontier	.50	3	27½	10
Safrano	.50	3	25	10
The Bride	.50	3	25	10
The Queen	.50	3	25	10
White Bougere	.50	3	25	10
Wm. R. Smith	.50	3½	30	10

BENGAL OR CHINA				
Louis Philipp	.50	3	25	10
Queen's Scarlet	.50	3	25	10

HYBRID TEAS				
Antoine Verdier	.50	3	25	10
Bessie Brown	.50	3	27½	10
Blumenschmidt	.50	3	27½	10
Duchess of Wellington	1.25	10	...	25
Eugene Boulet	2.00	15	...	35
Helen Gould (Balduin)	.50	3	27½	10
Instituteur Sirdey	.50	3½	30	10
La Detroit	.50	3	27½	10
Lady Battersea	.50	3½	30	10
La France (Pink)	.50	3	27½	10
Mme. Abel Chatenay	.50	3	27½	10
Mme. Jenny Guillemot	.50	3½	30	10
Mme. Jules Grolez	.60	3½	30	10
Mlle. Helene Gambier	.50	3½	30	10
Melody	1.25	10	...	12
Miss Kate Moulton	.60	4	35	12
Mrs. Aaron Ward	1.00	8	75	20
Mrs. A. R. Waddell	.60	4½	40	15
Queen Beatrice	.60	4½	40	15
Rena Robbins	2.00	15	...	35
Richmond	.60	4½	40	15
Souv. de Pres. Carnot	.60	4	35	12
Wellesley	.50	3½	30	10

BOURBON				
Mrs. Degraw	.50	3	27½	10

HYBRID POLYANTHA				
Pink Souper	.50	3	25	..

HYBRID RUGOSA				
Conrad F. Meyer	.60	4	35	12
New Century	.60	4	35	15

MOSS ROSES				
Henri Martin	.75	4½	40	12
Mousseline	.75	4½	40	12

HYBRID PERPETUAL				
American Beauty	.85	6	50	15

CLIMBING TEA				
Reve d'Or (Cl. Safrano)	.50	3	25	10

CLIMBING NOISETTES				
Lamarque	.50	3	25	10
Mary Washington	.50	3	25	10
Solfatara	.50	3	25	10

CLIMBING BENGAL				
Empress of China	.50	3	25	10

RAMBLERS				
American Pillar	.60	4	35	15
Bordeaux	.60	3½	30	15
Flower of Fairfield	.60	4	35	15
Graf Zeppelin	1.00	7	60	25
Keystone	.50	3	25	12
Philadelphia Rambler	.50	3	25	10
Pink Rambler	.50	3	25	10
Tausendschoen	.50	3	27½	12
Thornless Rambler	.60	4	35	12
Trier	.50	3	25	12
Veilschenblau Violet Blue	.60	4	35	12
White Rambler	.50	3	25	10
Yellow Rambler	.50	3	25	10

PRAIRIE				
Baltimore Belle	.50	3	25	10
Prairie Queen	.50	3	25	10
Tennessee Belle	.50	3	25	10

MULTIFLORA				
Russel's Cottage	.50	3	25	10
Seven Sisters	.50	3	25	10

HYBRID WICHURAIANA				
Aviateur Bleriot	2.00	15	...	35
Carissima	.60	3½	30	12
Debutante	.50	3	25	10
Excelsa	1.50	12½	100	...
Hawatha	.50	3	27½	12
Manda's Triumph	.50	3	25	10
South Orange Perfection	.50	3	25	10
Sweetheart	.50	3	25	10
Universal Favorite	.50	3	25	10
White Dorothy Perkins	.60	4	35	12
Lady Gay	.50	3	25	10

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Tuberoses

True Dwarf Pearl Per 1000
 First Size, 4-6-in.....\$ 9 00
 Medium, 3 4-in..... 5 00
 Mammoth, 6-8-in., "grandstuff"..... 15.00

GLADIOLUS

Mrs. Francis King, 1¼ to 1½ inch.....\$17 00
 Augusta, 1¼ to 1½ inch..... 16 00
 America, 1¼ to 1½ inch..... 27 50
 Kunderdi "Glory"..... Per 100, \$7 50 70 00
 Florist XXX, Mixed..... 15 00
 Princes, The King of All Gladioli... Per 100, \$10 00
 Red and Scarlet Shades..... 11 00
 Pink Shades..... 13 50

CALADIUMS

(Esculentum)

6-7-inch.....\$15 00 per 1000 7-9-inch.....\$30 00 per 1000

COLD STORAGE STOCK

Valley Pips

Lilium Rubrum

9 to 11.....\$80 00 per 1000

London Market.....\$15 00

Lilium Auratum

Premium Brand..... 13 00

8 to 9.....\$50 00 per 1000

Clumps...\$20 00 per 100

9 to 11..... 80 00 per 1000

Chicago Vaughan's Seed Store New York

ROOTED

Carnation Cuttings

	Per 100	1000
Washington	\$4.00	\$35.00
Mrs. C. W. Ward	3.00	25.00
Beacon	3 00	25.00
White Enchantress	3.00	25.00
May Day	.50	0.00
Sangamo	2.50	20.
Enchantress	2.50	20.00
Rose Pink Enchantress	2.50	20.00
Dorothy Gordon	3.00	

250 at 1000 rate. Satisfaction guaranteed.

Will exchange any of the above for
 2½ inch Asparagus Plumosus.

DES PLAINES FLORAL CO., Des Plaines, Ill.

Mention the American Florist when writing

Bedding Stock.

A No. 1 Shape. Ready for Immediate Shipment.
 250 of any one kind 2-in. 3-in.

	Per 100	1000	100	1000
Lemon Verbena	\$2.00	\$18.50	\$3.00	\$25.00
Moonvines, White, Blue	2.00	18.50	3.00	25.00
Petunias, Double Fringed				
Mixed	2.00	18.50	3.00	25.00
Sage, Holt's Mammoth	2.00	18.50	3.00	25.00
Salvia, Bonfire, Zurich	2.00	18.50	3.00	25.00
Senecio Scandens, Parlor				
Ivy	2.00	18.50	3.00	25.00
Verbenas, 5 varieties	2.00	18.50	3.00	25.00
Hardy Phlox, 10 varieties	2.00	18.50	3.00	25.00

R. VINCENT, JR. & SONS CO., White Marsh, Md.

GET QUOTATIONS FROM

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SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Ferns.

4-inch heavy stock, \$12.00 per 100.
 Boston, Barrowsl and Elegantissima;
 also 2¼-inch Boston, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio

CHRYSANTHEMUMS

and ASTER SEEDS.

For list and prices see classified advertisement on page 738, this issue.

Elmer D. Smith & Co., ADRIAN, MICH.

Boddingtons Quality Cannas.

Are true to name, have two or three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick. The Canna crop this year, however, is very short, and we advise placing orders early to secure stock. Delivery can be made at purchaser's option.

Red-flowering, Green Foliage Cannas

	Per 100	Per 1,000
Alice Roosevelt, 4 ft.....	\$3.75	\$35.00
Black Prince, 3 to 4 ft.....	2.75	25.00
Duke of Marlboro, 4½ ft.....	2.00	17.50
Exploratus Crampbell, 5½ ft.....	2.00	17.50
President Meyer, 4 ft.....	3.50	30.00

Pink-flowering Cannas

	Per 100	Per 1,000
L. Patry, 4½ ft.....	\$2.25	\$17.50
Louise, 5 ft.....	2.25	17.50
Mlle. Berat, 4½ ft.....	1.75	15.00
Venus, 3½ ft.....	4.25	40.00

Bronze-leaved, Red-flowering Cannas

	Per 100	Per 1,000
Musafolia, 3 to 5 ft.....	\$2.25	\$20.00
Robusta, 6 to 8 ft.....	2.00	17.50
Shenandoah, 6 ft.....	2.00	17.50

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business together and shipped as one. One box of 250 sold at a thousand rate; it is cheaper for you to buy a box or 250 than 200 at 100 rate. Write for special prices for quantities. If any Cannas are not found here, it may be understood that they are superseded by the foregoing. If selection is left to us, we will substitute or send only the best for all purposes.

All the Above Cannas sold F. O. B. New York or Chicago.

Chicago and Western Agents for Our Cannas, ONLY: WINIERSON'S SEED STORE, 166 N. Wabash Ave., Chicago

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street, NEW YORK CITY.

Orchid-flowering Cannas

	Per 100	Per 1,000
Austria, 5 ft.....	\$1.75	\$15.00
Indiana, 3 to 4 ft.....	2.00	17.50

Orange Shades

	Per 100	Per 1,000
Wyoming, 7 ft.....	\$2.25	\$20.00

Red, Gold-edged; Spotted and Yellow Cannas

	Per 100	Per 1,000
Evolution.....	\$2.75	\$25.00
Gladiator, 4 ft.....	2.75	25.00
Golden King, 5 ft.....	2.75	25.00
Queen Charlotte, 3½ ft.....	3.75	35.00
Premier, 2½ ft.....	3.75	35.00
Souv. de A. Crozy, 4 ft.....	2.75	25.00

Yellow Shades

	Per 100	Per 1,000
Florence Vaughan, 5 ft.....	\$2.25	\$20.00
Richard Wallace, 4½ ft.....	2.75	25.00

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns. Mention the American Florist when writing

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS
SANTA CLARA, CALIFORNIA.
Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.
Mention the American Florist when writing

Henry Fish Seed Co.

Bean Growers
For the Wholesale Seed Trade.
CARPINTERIA, CALIF.
Mention the American Florist when writing

John Bodger & Sons Co.

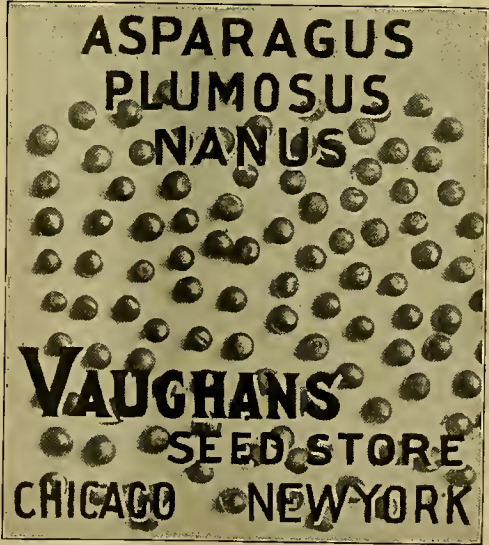
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Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.
Mention the American Florist when writing

Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown.
of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$3.50; 5000 seeds at \$3.25 per 1000.

Vaughan's Seed Store, CHICAGO. NEW YORK.



S. M. Isbell & Co.,

Jackson, Mich.
CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

Bonfire Carnation

Extra strong healthy R. C., \$4.50 per 100; \$40.00 per 1000. Without question the most profitable red carnation in commerce. Our only red for next winter.
W. W. Coles, Kokomo, Ind.

VAN ZANTEN BROTHERS

Royal, Netherland Bulb Nurseries and Export Trade.
HILLEGOM, HOLLAND,
Wholesale growers of the leading sorts of Hyacinths, Tulips, Narcissus, Crocus, Spireas, Gladiolus, Peonies, etc., etc.
Write our traveler, Mr. G. HYLKEMA, care of Messrs. Maltus & Ware, 14 Stone St., New York, for Catalogue and Special prices of all
HOLLAND BULBS AND PLANTS.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 503 Walker Building Louisville, Ky., Secretary; M. L. Raetenik Cleveland, O., Treasurer.

TOMATO shipments from Cuba to the United States during the last fiscal year, states the Cuba Magazine, totaled 197,698 crates in addition to 41,813 crates of okra, eggplant, peppers, etc.

BROOKLYN, N. Y.—There are 225 acres of land cultivated to quick growing truck crops in the heart of Long Island City and Astoria, and the average yield from the land is about \$1,000 per acre.

Prices of Indoor Fruits and Vegetables.

Chicago, April 8.—Mushrooms, 20 cents to 45 cents per pound; radishes, 15 cents to 50 cents per dozen bunches; lettuce, 30 cents, small cases; cucumbers, \$1 to \$2 per dozen; asparagus, \$1 per dozen bunches.

New York, April 6.—Mushrooms, 50 cents to \$1.80 per 4-pound basket; cucumbers, 75 cents to \$1 per dozen; tomatoes, 10 cents to 25 cents per pound; radishes, \$2 to \$3.50 per 100 bunches; lettuce, \$2.50 to \$3.50 per strap; rhubarb, 40 cents to 75 cents per bundle and 60 cents to 90 cents per dozen bunches; mint, 50 cents to 65 cents per dozen bunches; beet tops, 75 cents to \$1 per box.

Fertilizer Requirements in Greenhouses.

We believe the spring months are the most exacting in regard to plant food elements in greenhouse soils. This condition is brought about partly by the repeated cropping during the winter, partly by the increase of light and heat of the advancing season and lastly by the change of crops themselves. In order to produce anything at all in the winter months when soil activities are slow, an excess of manure is generally applied; and when the houses in late spring are planted to cucumbers and tomatoes, very often an unbalanced condition exists. To produce pollen and fruit properly, comparatively larger amounts of phosphates are required than for leaf growth only. The importance of correcting improper conditions cannot be overestimated. We have found that heavy applications of bonemeal to either cucumber or tomato plantings was very beneficial; a good way is to apply broadcast soon after the plants start into good growth—hoe in and a little later apply a mulch of coarse manure. Under such treatment the feeding roots will come near to the surface and get the full benefit out of the bonemeal. It is generally believed that manure acts chemically upon phosphoric elements. Growers who raise a late crop of leaf lettuce and find their product becomes too leafy and thin in warm weather, should try bonemeal or some other form of phosphate, as this element induces more solid growth. Sometimes, potash is the missing element; to determine this, it is a good plan to carry on constant experiments, trying small plots with different materials. Hardwood ashes are generally preferred for greenhouse use, but we find sulphate of potash admirable if carefully applied.

MARKETMAN.

DAHLIAS

The best New and Standard varieties. Send for Wholesale Price List.

BASSETT & WELLER

HAMMONTON, N. J.

Ferns for Dishes

per 100 per 1000
 2 1/4-in. \$3.50 \$30.00
 Asparagus Plumosus, 2 1/4 inch, \$3.50 per 100;
 \$30.00 per 1000. 3-in., \$6.00 per 100.
 500 at 1000 rate. Cash with order.

FRANK OECHSLIN,
 4911 Quincy St., CHICAGO



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

Pure Culture Mushroom Spawn

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

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

CHRYSANTHEMUMS

Strong plants, 2 1/4 in. pots, ready now or will make deliveries later. Glen Cove, Unaka, Mrs. David Symes, Witterstatter, Roman Gold, \$7.00 per 100. Smith's Advance, \$4.00. Chadwick Supreme, \$3.00. Chrysolora, \$10.00 per 100. Golden Glow, Crocus, Yellow Jones, Dr. Enguehard, Major Bonaffon, Jerome Jones, White Bonaffon, Clementine Touset, Emarita, Charles Razer, White Eaton, White Chadwick, Late Yellow, Late Pink, Virginia Poehlmann, Golden Chadwick, \$2.50 per 100, \$22.50 per 1000.

ELI CROSS, 25 Monroe St., Grand Rapids, Mich.

ROOTED CUTTINGS

Prepare NOW for Spring. NOW is the time to buy the cuttings. They are good now. If you wait until late Spring you cannot get as good. Our cuttings now are grand, and will make the price as follows for a few weeks: VERBENA'S, 60c per 100; \$5.00 per 1000. SALVIAS, 80c per 100; \$7.00 per 1000. COLEUS, 70c per 100; \$6.00 per 1000. GIANT DBL. ALYSSUM, 80c per 100. AGERATUMS, 60c per 100; \$5.00 per 1000. PETUNIAS, \$1.25 per 100; \$10.00 per 1000. PELARGONIUMS, \$2.50 per 100; \$22.00 per 1000. HELIOTROPE, 80c per 100; \$7.00 per 1000. DAISIES, \$1.00 per 100; \$8.00 per 1000. FEVERFEW, true little gem, (no dog fennel) \$1.00 per 100; \$9.00 per 1000.

Express paid. Cash with order.

S. D. BRANT, Clay Center, Kansas.

Rooted Cuttings

Carnations and Chrysanthemums

of the New and Leading Market Varieties

Rooted Cuttings

and Pot Plants, Fine Strains of Snapdragon

Send for Price List

Wm. Swayne P. O. Box 85
 KENNETT SQUARE, PA.
 Mention the American Florist when writing

IPOMEA NOCTIFLORUM

Our so well known pure white waxy Moonvine, bearing flowers very fragrant and as big as a saucer, 4-5-in. pots; will make good stock for you to propagate from; \$5.00 per 100.

Godfrey Aschmann,

1012 W. Ontario Street,

PHILADELPHIA, PA.

Asparagus Plumosus and Sprengeri, 3-in. pots \$4.00 per 100.

Daisy (new), Mrs. F. Sanders, 2 1/2-in. pots, \$5.00 per 100.

Ivy, English Hardy, 4-in. pots, \$1.00 per dozen; 3-in. pots, \$4.00 per 100.

Passiflora Corulea and Pfordii, 3-in. pots, \$4.00 per 100.

Geraniums, Rose and Nutmeg, 3-in. pots, \$3.00 per 100.

Clematis, large-flowering varieties, red, white and blue, 5-in. pots, \$2.00 per dozen; extra strong 6-in. pots, \$3.00 per dozen.

Smilax, 3-in. pots, \$4.00 per 100.

Swainsona Alba, 2 1/2-in. pots, \$3.00 per 100.

Carnations, fine plants from soil; Boston Market, still one of the best white, \$2.00 per 100; Enchantress, pink and white, \$3.00 per 100.

Stock from 2 1/2-in. pots, \$2.50 per 100; Abutilon Savitzi; Cupheas; Asparagus Sprengeri; Ageratum blue; Salvia Bonfire; Alyssum, dbl., white; Lobelia, single, blue.

New Daisy, Mrs. F. Sanders, in bud and bloom from 3-in. pots, \$5.00 per 100.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

CARNATION CUTTINGS

FOR IMMEDIATE DELIVERY. STRONG, HEALTHY STOCK.

	Per 100	Per 1000
Washington	\$6.00	\$50.00
Bright Spot	6.00	50.00
Mrs. C. W. Ward	4.00	30.00
Sangamo	3.00	25.00
Dorothy Gordon	3.00	25.00
White Enchantress	3.00	25.00
Enchantress	3.00	25.00
White Perfection	3.00	25.00
May Day	3.00	25.00
Beacon	3.00	25.00
Scarlet Glow	3.00	25.00

A. C. BROWN, Springfield, Ill.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per 1/4 oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Spring Is Here! Stock Up!

Wise ones will order early. There is sure to be a big rush this spring, the season is so backward. Early orders will receive first attention. We are booking orders now. Get yours in at once.

BAY TREES BOX TREES

Due to arrive May 1st to 15th.

Prices include tubs.

Standard or Tree Shaped.

Stems	Crowns	Each	Pair
36 in.	24 in.	\$ 7 00	\$13 00
45 in.	26 in.	7 50	14 00
45 in.	28 in.	8 00	15 00
45 in.	30 in.	10 00	18 00
48 in.	34 in.	12 00	22 00
48 in.	40 in.	15 00	28 00

Dwarf Standards

Stems	Crowns	Each	Pair
30 in.	24 in.	\$ 7 00	\$13 00
18 in.	24 in.	7 00	13 00
12 in.	30 in.	7 50	14 00

Pyramid Shaped.

Diameter at Base	Each	Pair
5 ft. high, 24 in.	\$ 8 00	\$15 00
6 ft. high, 26 in.	10 00	18 00

Ampelopsis Veitchii.

(Japan or Boston Ivy.)

	Each	Doz.	100
2-year-old plants...	\$0 15	\$1 75	\$12 00
3-year-old plants...	20	2 00	15 00

Due to arrive April 10th to 20th.

Prices include green tubs.

10 per cent discount if wanted out of tubs.

Standard or Tree Shaped.

18-26 in. stem, 18 in. crown.	\$3 00	\$5 50
18-26 in. stem, 24 in. crown.	4 50	8 00

Pyramid Shape

	Each	Pair
2½ ft. high.....	\$2 00	\$ 3 75
3 ft. high.....	2 50	4 50
3½ ft. high.....	3 00	5 50
4 ft. high.....	4 00	7 50
5½ ft. high.....	7 50	14 00

Globe Shaped.

15 in. high, 15 in. in diam.	\$2 25	4 00
18 in. high, 18 in. in diam.	2 75	5 00

Bush Shaped

Prices do not include tubs.

	Each	Doz.	100
12 in.....	\$0 35	\$ 3 60	\$25 00
18 in.....	60	6 50	
20 in.....	75	8 00	
24 in.....	1 00	10 00	
30 in.....	2 50	per pair \$4 50	
36 in.....	3 50	per pair 6 00	

Clematis Paniculata.

	Each	Doz.	100
2-year-old clumps...	\$0 15	\$1 50	\$10 00
3-year-old clumps...	20	2 00	15 00
4-year-old clumps...	35	3 60	25 00



Standard Bay Tree.



Pyramidal Box Tree.

Dormant, Two-Year, Field-Grown and Budded Plants unless otherwise noted.

ROSES

All are extra choice varieties. Ask for prices on thousand lots.

Baby Ramblers.

	Each	Doz.	100
Crimson Baby, 2 year..	\$0 20	\$2 00	\$14 00
3 year	25	2 50	16 00
Jessie, 2 year.....	\$0 35	\$3 50	\$25 00
3 year, selected.....	45	4 50	30 00
Orleans, 2 year, bushy..	35	3 50	
Phyllis, 2 year.....	\$0 25	\$2 00	\$16 00

Hybrid Perpetuals.

	Each	Doz.	100
American Beauty	\$0 20	\$2 00	\$15 00
Baroness Rothschild	20	2 00	14 00
Fisher Holmes	20	2 00	14 00
Fran Karl Druschki.....	20	2 00	15 00
General Jacqueminot	20	2 00	14 00
General Washington	20	2 00	14 00
Hugh Dickson	25	2 50	18 00
John Hopper	20	2 00	14 00
Mme. G. Luizet.....	20	2 00	14 00
Mrs. John Laing.....	20	2 00	14 00
Mrs. R. G. S. Crawford	20	2 00	14 00
Paul Neyron	20	2 00	14 00
Prince C. de Rohan.....	20	2 00	14 00
Ulrich Brunner	20	2 00	14 00

Hybrid Teas.

	Each	Doz.	100
Caroline Testout	20	2 00	15 00
Gruss an Teplitz.....	20	2 00	15 00
J. B. Clark.....	20	2 00	15 00
Jonkheer J. L. Mock (new).....	35	3 50	25 00
Kaiserine A. Victoria.....	25	2 50	18 00
Killarney	25	2 50	18 00
La France	20	2 00	15 00
Mme. Abel Chatenay.....	20	2 00	15 00
White Killarney	30	3 00	22 00

Rugosas.

	Each	Doz.	100
Blanche Double de Conbert, white	\$0 20	\$2 00	\$18 00
Conrad F. Meyer, clear silvery rose	20	2 00	16 00
Mad. G. Bruant, semi-double white.....	20	2 00	16 00
Rugosa Alba and Rubra, single	20	2 00	15 00

Climbers.

	Each	Doz.	100
American Pillar.....	\$0 30	\$3 00	\$22 00
Baltimore Belle	20	2 00	12 00
Crimson Rambler, 2 yr. 3 yr. select.....	25	2 50	18 00
Dorothy Perkins, 2 yr.	20	2 00	15 00
Flower of Fairfield.....	25	2 50	18 00
Hiawatha	30	3 00	20 00
Lady Gay	30	3 00	20 00
Prarie Queen	20	2 00	14 00
Tausenschn	25	2 50	18 00
Veilchenblau	20	2 00	16 00
White Dorothy Perkins.	30	3 00	20 00

Various Sorts.

	Each	Doz.	100
Hermosa	\$0 20	\$2 00	\$15 00
Memorial Roses, white, flesh and pink.....	20	2 00	15 00
Moss, Double Pink, Red or White	20	2 00	15 00
Persian Yellow	20	2 00	15 00
Soleil d'Or	25	2 50	18 00
Souv. de la Malmaison	25	2 50	18 00

On all orders for Dormant Roses and Vines packing will be charged at cost.

NEW ROSES FOR 1912

Double White Killarney—(Budlong)

The most valuable White Forcing Rose ever offered,

and Killarney Queen—(Budlong)

A cerise pink sport of Killarney.

Own roots.....	each, 75c; doz., \$6.00; 100, \$25.00; 1000, \$200.00
Grafted	each, 75c; doz., 7.50; 100, 30.00; 1000, 250.00

Lady Hillingdon.

An excellent forcing variety of a deep coppery yellow.

Own roots.....	each, 40c; doz., \$3.00; 100, \$20.00; 1000, \$150.00
Grafted.....	each, 40c; doz., 4.00; 100, 25.00; 1000, 200.00

Sunburst.

An intense shade of golden yellow. Own roots...each, 50c doz., \$5.00

STANDARD SORTS

	Own Roots			Grafted		
	Dozen	100	1000	Dozen	100	1000
Killarney.....	\$ 85	6.00	55.00	\$2.00	15.00	140.00
“ Double Pink..	2.50	12.00	110.00	3.00	20.00	190.00
“ White.....	1.00	7.00	65.00	2.00	15.00	140.00
Mrs. Aaron Ward.....	1.50	10.00	95.00			
My Maryland.....				2.00	15.00	140.00

and many other kinds too numerous to mention Ask for prices.

Place your order now and we will ship when you are ready.

ASK FOR OUR SPRING BOOK FOR FLORISTS.

Vaughan's Seed Store, 31 W. Randolph St., CHICAGO. 25 Barclay St., NEW YORK.

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

NEW YORK.—McHutchison & Co. are now receiving large consignments of nursery stock, raffia and bay trees.

STATFORD, CONN.—The F. E. Conine Nursery Co. has received a large consignment of imported nursery stock.

American Association of Nurserymen.

In the circular issued by Secretary John Hall, to the members of the American Association of Nurserymen of the preliminary arrangements for the annual convention to be held in Boston, June 12-14, some of the attractions of that city are enumerated and the points of interest to be visited by the members. While the programme is not yet complete, among the papers which will be read are those by Jackson Dawson, Jamaica Plain, Mass.; D. S. Lake, Shenandoah, Ia.; J. B. Pilkington, Portland, Ore., and W. C. Barry, Rochester, N. Y. A large attendance is expected, and the Northwest Horticulturist is authority for the statement that P. A. Dix, president of the Pacific Coast Nurserymen's Association, expects to have at least one Pullman carload of coast nurserymen for the convention.

Association of Park Superintendents.

The executive committee of the American Association of Park Superintendents at the meeting held in the Hotel Astor, New York, decided upon August 12-14 as the dates of the convention at Boston, Mass., and the Copley Square hotel was chosen as headquarters. The preliminary programme was adopted, which includes besides the business meetings at the morning and the reading of papers and the lectures at the evening sessions, a trip through the Boston Park System on the first day, to Arnold Arboretum and the country estates of Brookline, Newton and Wellesley the second day, and through Middlesex Fells, Revere Beach boulevard and North Shore drive to Beverly on the third day. Changes in the constitution and by-laws as regards the qualifications for membership and the date of the annual meeting were recommended.

Orchid Trade

H. STANLEY (Late Stanley & Co.),
 Sandcross Lane, REIGATE, ENGLAND,
 will ship Oncid. Varicosum and Capt. Loddigesii
 in April and May. Enquire now.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched.	\$1.00	\$7.00
15 to 20 in., 3 or more branches.	1.50	10.00
20 to 30 in., 4 or more branches.	2.00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25.00
3 to 4 ft., extra heavy, 8 or more branches.	4.00	30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.



Moon's

A nursery with an enormous collection of thrifty Ornamental Trees & Shrubbery for landscape plantings. Catalogue upon request.
The Wm. H. Moon Co.,
 MORRISVILLE, PA.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
 Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

LARGE TREES

OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

Hill's Evergreens

You ought to visit our nurseries and see us growing millions of little "baby evergreens" to understand properly what patience and experience and special skill it takes to do the job right.

We have all three, plus a first-class organization to take prompt care of your orders—and our prices are right. Ask for Wholesale Catalog and prices.

D. HILL NURSERY COMPANY, Inc.

Evergreen Specialists
 Largest Growers in America

Box 404 • Dundee, Illinois



Mention the American Florist when writing

Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

Roses.

Ramblers, Hybrid Teas, Hybrid Perpetuals,
 Dwarf Polyanthas, Standards and
 Half Standards.

Rhododendrons.

18-24 inches, well budded, named varieties,
 forcing stock, as well as kinds for outdoors,
 \$40.00 per 100.

Lily of the Valley. Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.

TELL US YOUR WANTS.

Jackson & Perkins Company,

Nurserymen and Florists (Wholesale only), Newark, Wayne Co., New York

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

nurserymen and Florists.

RUTHERFORD, N. J.

M. KOSTER & SONS

Boskoop, Holland.

The Only Address for the Genuine

KOSTER'S BLUE SPRUCES (*Picea pungens glauca Kosteri compacta*)

Do Not Buy Substitutes

During April and May write to Mr. M. Koster, care of Messrs. Maltus & Ware, 14 Stone Street, New York City.

Write for wholesale catalogue; it will interest you.

BLUE SPRUCES

Carnations

Rose Pink Enchantress, from soil, \$24 00 per 1000.

Enchantress, from soil. \$29 00 per 1000.

	R. C. per 100	1000
White Wonder	\$6 00	\$50 00
Norwood	6 00	50 00
Dorothy Gordon	4 00	35 00

	R. C. per 100	1000
White Enchantress	\$3 00	\$25 00
Enchantress	3 00	25 00
Beacon	3 00	25 00

	R. C. per 100	1000
Rose Pink Enchantress	\$2 50	\$20 00
Winsor	2 50	20 00

CHRYSANTHEMUMS

PINK.		
	R. C. per 100	1000
Gloria	\$2 50	\$20 00
Amorita	2 50	20 00
Dr. Enguehard	2 50	20 00
Pacific Supreme	2 00	15 00
Balfour	2 00	15 00

CRIMSON.		
	R. C. per 100	1000
Pockett's Crimson	\$2 50	\$20 00
Schrimpton	2 50	20 00
Intensity	2 00	15 00

YELLOW.		
	R. C. per 100	1000
Crocus, the best yellow..	\$4 00	\$35 00
Yellow Eaton	\$2 50	\$20 00
Golden Glow	2 00	15 00
Halliday	2 00	15 00
Maj. Bonnatton	2 00	15 00

WHITE.		
	R. C. per 100	1000
White Chadwick	\$3 00	\$27 50
Lynwood Hall	2 50	20 00
White Eaton	2 50	20 00
Alice Byron	2 00	15 00
Touset	2 00	15 00
October Frost	2 00	15 00

J. D. THOMPSON CARNATION CO., Carnation Specialists, **Joliet, Ill.**

Carnations

FROM POTS.

Winona and Beacon at \$2.50 per 100, Victory at \$2.00 per 100 and Washington at \$5.00 per 100.

GERANIUMS

Big lot of fine rooted cuttings for delivery about April 15th.
S. A. Nutt at \$11.50 per 1000.
Poitevine and Ricard at \$14.00 per 1000.

COLEUS

Strong rooted cuttings of Golden Bedder, Verschaffeltii and standard assorted at \$6.00 per 1000.

Asparagus Plumosus

Extra fine stock from rose pots at \$2.50 per 100; \$25.00 per 1000.

SMILAX

Ready June 1st. Extra quality at \$12.50 per 1000.
To avoid delay send cash with the order.
Samples of any of the above for ten cents.

ALBERT M. HERR, Lancaster, Pa.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

- Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.
- Boston Ferns, 5-in., 25c each.
- Whitmani Ferns, 4-in., 25c.
- Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
- Vinca Var., 2-in., 2c.
- Asparagus Sprengeri, 2-in., \$2.50 per 100.
- Asparagus Plumosus, 2-in., \$3.00 per 100.

Cash with order.

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

Boston Ferns...

- \$3.00 per 100.....\$30.00 per 1000
- Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.
- Roosevelt, \$6.00 per 100; \$50.00 per 1000.
- 250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

For the Best New and Standard

DAHLIAS

Address

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFFED.

	Per 100	Per 1000
Double Pink Killarney, 2½-in.....		\$120 00
Richmond, 2½-in.....	\$12 00	120 00
Sunburst, 2½ in.....	35 00	
Maryland, 2½-in	12 00	120 00
Mrs. Aaron Ward, 2½-in. 14 00	14 00	120 00
Melody, 2½-in.....	14 00	120 00
Mrs. Taft or Prince de Bulgarie, 2½-in.....	14 00	120 00
Radance	14 00	120 00

OWN ROOT.

	Per 100	1000
Pink and White Killarney, 2½-in	\$6 50	\$60 00
Maryland, 2½-in.....	6 50	60 00
Richmond, 2½-in.....	6 00	50 00
Antoine Rivoire, Mrs. Taft, or Prince de Bulgarie, 2½-in.....	8 00	70 00
Radance, 2½-in.....	8 00	
Melody, 2½-in.....	8 00	70 00
Mrs. Aaron Ward, 2½-in. 8 00	8 00	70 00
Dbl Pink Killarney, 2½-in. 8 00	8 00	70 00

Good, Big Clumps of Croweanum, \$10.00 per 100.

Orders are now booked for April, May, June and July delivery.
All goods are sold for cash or 30 days on approved credit.

Rooted Carnation Cuttings

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000		Per 100	Per 1000
Beacon	\$2 50	\$20 00	R. P. Enchantress.....	17 50	
White Enchantress.....	2 50	20 00	Enchantress.....	\$2 00	\$17 50

PERLE ROSE PLANTS

2½ inch, \$4.00 per 100; \$30.00 per 1000.

PETER REINBERG,

30 East Randolph St.,

CHICAGO

Alternantheras Coleus

	Per 100		Per 100
Red, Yellow, 2¼ pot, April 20th	\$2.00	10 varieties, 2¼ pot.....	\$2.00
Geraniums, S. A. Nutt and 5 varieties from 3 in. pot, April 20th.....	4.00	Verbena, 2¼ pot.....	2.00
Geraniums, 2½, April 20th.....	3.00	Petunias, May 1st.....	3.00
Asp. Plumosus and Sprengeri, 2¼ pots, May 1st.....	2.00	Canna, 10 varieties, 3 in. pot.....	4.00
		King Humbert, 3 in. pot.....	6.00
		Pansy plants in bud	1.50

Cash or C. O. D.

Jos. H. Cunningham, - - **Delaware, O.**

Mention the American Florist when writing

ROSE STOCK

American Beauty, \$8.00 per hundred; \$75.00 per thousand.
 Rose Queen and Lady Hillingdon, \$20.00 per hundred; \$150.00 per thousand.
 Bon Silene, Radiance, Killarney and Richmond, \$6.00 per hundred; \$50.00 per thousand.
 2½ in. pot plants. Immediate Delivery
 Write us for quotation on large blocks.

CHRYSANTHEMUMS

Immediate Delivery. 2½ in. pot plants
 Col. Appleton, Montigny, Touse, Gloria, Lady Hopetoun, Miriam Hankey, Monrovia, Mrs. O. H. Kahn and Yellow October Frost.
 \$3.00 per hundred; \$25.00 per thousand.

Chas. H. Totty
 Madison, N. J.

Hill's New Crop of Tree Seeds

Tests show that the germination is unusually high. Long experience in gathering, extracting, cleaning, drying and storing enables us to supply seeds that are superior to the average. All standard varieties. Ask for what you want—write now.

The D. Hill Nursery Co., Inc.
 Seed Dept., Box 602, Dundee, Ill.
 Collectors and Extractors.
 Import. Export.

TUBEROSES Dwarf Pearl.

1st size.....\$1.10 per 100; \$9.50 per 1000

Caladiums

5-7-inch.....\$2.00 per 100
 7-9-inch.....3.50 per 100

Gladiolus

	Per 100	Per 1000
AMERICA.....	\$3.50	\$30.00
AUGUSTA.....	2.25	20.00
FRANCIS KING.....	2.75	25.00
WHITE and LIGHT MIXTURE.....	1.75	15.00

Gloxinias Separate colors,
 \$3.50 per 100; \$30.00 per 1000.

A. HENDERSON & CO.
 30 E. Randolph St., CHICAGO

ORCHIDS

Fresh Stock Just Arrived.

Early potting gives best results. Will ship now. *Oncidium Varicosum Rogersii*, two grades, all strong bulb plants.

	Per 100.	Per doz.
3 to 4 bulb plants.....	\$100.00	\$15.00
5 to 6 ".....	125.00	18.00

G. L. Freeman, Wellfleet, Mass.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, BROOKLYN, N. Y.

Rutland Rd. & E. 45th St.
 Mention the American Florist when writing

You Can Be Independent on Five Acres of Land if You Grow Berries

With a hundred berry plants you can find health and enjoyment. With five acres you can be independent; with twice that you can become rich. High cost of living, health, enjoyment, recreation, independence—these are the problems berry growing solves.

Get My Invaluable Berry Book

I've studied living conditions for a good many years, while I produced berries of all kinds. The results are summed up in the one book of its kind published in America.

Here also is described, among many others, the Himalaya Berry, that perennial resembling blackberries, but bearing fruit on old and new wood like a fruit tree, with the value of apples for commercial growing. The vine is beautiful, climbing like a Rambler rose over your porch. Get the full details. The book is free. Send your address now, before you lose my address.

PRICES OF HIMALAYA PLANTS:

6 months old plants, \$2.00 per 12; \$5.00 per 100	24 months old plants, \$1.00 each; \$10.00 per 12
12 months old plants, \$4.00 per 12; \$10.00 per 100	The 18 and 24 Months will fruit 1912.
18 months old plants, 75c each; \$6.00 per 12	Fifty per cent discount to the trade.

A. MITTING, Manager

BERRYDALE EXPERIMENT GARDENS,
 Chicago Avenue, HOLLAND, MICHIGAN.

Stock for Everybody

Boxwood, Pyramidal—24-in. high, \$1.00 each; 30-in. high, \$1.50 each; 36-in. high, \$2.00 each; 42-in. high, \$3.00 each.

Boxwood, Bush Shape—12-in. high, 30c each, \$25.00 per 100; 18-in. high, 45c each; 24 in. high, \$1.00 each; 30-in. high, \$1.50 each (very heavy); 36-in. high, \$2.00 each (very heavy). Above nicely shaped stock with ball of earth, hurlaped.

Azalea Mollis, Hardy, for outdoor planting, 12 to 15 in. high, full of buds, \$25.00 per 100.

Tree Roses, straight, stiff stems, 4 ft. high, with good heads; hardy sorts only, all colors, \$10.00 per 100.

Rhododendrons, Parson's hardy varieties for outdoor planting, undoubtedly the largest block of imported plants in the country. Fine bright foliage and well filled with buds. Named sorts in all colors. 15 to 18 in. high, 7 to 10 buds, 50c each; 18 to 24 in. high, 8 to 12 buds, 75c each; 24 to 30 in. high, 12 to 16 buds, \$1.00 each, 30 to 36 in. high, 16 to 20 buds, \$1.50 each.

Kalmia Latifolia (Mountain Laurel), 18-in. high, 12 to 15 in. head, with ball of earth, 50c each.

English Ivy, strong 4-in. pot plants, in fine growing condition, 3 ft. of top, \$12.00 per 100; 2½-in. pots, \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O

New Hardy Golden Vinca.

Vinca Minor Aurea.

Golden variegated Myrtle or Periwinkle.

This is not a creamy yellow like *V. Variegata* but a rich deep golden yellow, grand for shrubbery borders, banks, window boxes, vases and especially for cemetery work.

Awarded Certificate of Merit by the New York Hort. Society; Paterson (N. J.) Horticultural Society and Elberon (N. J.) Horticultural Society.

Price, 3 in. pot plants, \$2.00 per doz.; \$15.00 per 100. Delivery in April.

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— \$2.00 —

Either stiff or flexible covers. Address orders.
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Strong, well rooted cuttings, the kind that will please you.

P. Major, red.....	50c per 100; \$4.00 per 1000
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Killarney Queen, Grafted \$30.00 per 100; 250 for \$70.00; \$250.00 per 1000.
Double White Killarney, (Budlong), Grafted \$30.00 per 100; 250 for \$70.00; \$250.00 per 1000.
 Own root, \$25.00 per 100; 250 for \$60.00; \$200.00 per 1000.

Lady Hillingdon Own root \$20.00 per 100; \$150.00 per 1000.
Killarney, White Killarney, Richmond, Radiance, Grafted \$15.00 per 100; \$120.00 per 1000.
 Own root, \$7.50 per 100; \$60.00 per 1000.

Mrs. Taft, (Rivoire), Own root, \$7.50 per 100; \$60.00 per 1000.
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250 of a variety at the thousand rate, except where noted in this advertisement.

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Chadwick Supreme, pink sport of Chadwick. **Smith's Advance**, the earliest white. **Roman Gold**, a beautiful mid-season yellow. Prices: Rooted cuttings, \$7.00 per 100. \$60.00 per 1000. 250 of a variety at the 1000 rate.

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Heston's White	Yellow Ivory	Helen Frick
T. Eaton	Mrs. W. E. Kelley	
W. H. Chadwick	Golden King	
White Bonnaffon	Nagoya	
Jeanne Nonin	Golden Chadwick	

WHITE	WHITE	YELLOW
G. S. Kalb	Money-maker	Major Bonnaffon
Polly Rose	Mrs. Jerome Jones	
C. Touse		PINK
Mrs. Robinson	Monrovia	Pacific Supreme
Mrs. Clay Frick	Robert Halliday	Glory of the Pacific
White Cloud	G. Pitcher	W. H. Duckham
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Minta (Pink) Susquehanna (Yellow) From 2 inch pots, \$1.00 per dozen, \$5.00 per 100.

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Lulu	Little Pet	Quinola
Diana		Souvenir d'Or

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I do not dislike the title, for I have been informed that it signifies an ENTHUSIAST—and acknowledge that I am. I have carried on a systematic study and trial tests for many years, increasing the list with novelties from abroad and at home, discarding as well as adding—and have at present perhaps the largest list of varieties grown by any one person up-to-date. For want of ground, as well as advancing years I am willing to dispose of much of my stock having a surplus over actual needs. Send for my descriptive list and prices.

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Bellis Daisy (Longfellow and Snowball), \$2.00 per 1000.
 Verbenas, transplanted, 50c per 100.
Heliotrope, 2 in., \$2.00 per 100. R. C. \$1.00.
Alyssum Double, 2 in., \$2.00 per 100. R. C. 50c.
Moon Vine, 2 in., \$2.50 per 100.
Geraniums, Mme. Buchner, rooted, \$11.00 per 1000. Other sorts ready in April. 4 houses of stock plants.
Elmer Rawlings, Wholesale Grower, Olean, N. Y.

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DECORATIVE PALMS

in 7-in., 9-in. and 12-in. tubs (made-up and single plants), which we can supply in any quantity. All our Palms are **home-grown** (not an imported plant on the place) and well established in the tubs. They are strong and healthy.

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Pot.	Leaves.	In. high.	Each
2½-in.	4	8 to 10	\$1 50
3 -in.	5	12	2 00
4 -in.		15	\$0 35
5 -in.	6 to 7	18	50
6 -in.	6 to 7	24	1 00
6 -in.		26	1 25
Ced'r tub. L'va.			
		In. high.	Each
7-in.	6 to 7	34 to 36	\$2 50
7-in.	6 to 7	36 to 38	3 00
9-in.	6 to 7	40 to 45	4 00
9-in.	6 to 7	42 to 48	5 00
9-in.	6 to 7	48 to 54	6 00
9-in.		54	7 50

Made Up Kentia Forsteriana.			
Cedar tub.	Plants.	In. high.	Each
7-in.	4	36	\$2 50
7-in.	4	36 to 40	3 00
9-in.	4	40 to 42	4 00
9-in.	4	42 to 48	5 00
9-in.	4	48 to 54	6 00
12-in.	4	5 to 5½ ft	12 50

Cibotium Schiedel.			
Cedar tub.	Spread		Each
9-in.	4 feet		\$3 00
9-in.	5 to 6 feet		5 00
9-in.	6 feet		6 00

Areca Lutescens.			
Cedar tub.	Plants in tub.	In. high.	Each
9-in.	Several	5 ft	\$7 50

Phoenix Roebeleni.		Each
5-in.	nicey characterized	\$1 00
6 in.	18 to 20-in. spread	1 50

Cedar tub.	High.	Spread.	Each
7-in.	18-in.	24-in.	\$2 00

Cocos Weddelliana.		
Pot.	In. high.	Each
2½ in.	8 to 10	\$10 00

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Wyncote, Pa.

Railway Station, Jenkintown.

THE NEW CARNATION BROOKLYN A Reincarnation of the old William Scott, but embodying additional and more important qualities.

The New "Helen" Pink A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit," Horticultural Society of New York. **TO BE DISSEMINATED 1911-1912.**

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

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AMERICAN BEAUTY PLANTS

40,000 Beauty plants, 2½ in. pots, \$6.00 per 100; \$50.00 per 1000.
 American Beauty Bench Plants, 1 year old, \$6.00 per 100; \$50.00 per 1000..
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 White and Pink Killarney, 2½ inch pots, \$4.00 per 100; \$35.00 per 1000.
 Asparagus Pinmosus Clumps, from bench, 1 yr. old, \$4.00 per 100; \$35.00 per 1000.

Satisfaction Guaranteed. Ready Now.

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Rooted Cuttings

Rosette—The bright, large-flowered dark pink carnation. Only a few thousand left for April 10th delivery.

\$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

For March delivery we can supply now:

	Per 100	Per 1000
Scarlet Glow.....	\$3.00	\$25.00
White Perfection.....	3.00	25.00
Bonfire.....	6.00	50.00
Rose Pink Enchantress.....	3.00	25.00

Quality Cuttings

ROSES

A nice lot of 2¼-in. My Maryland.....\$6.00 per 100; \$50.00 per 1000
 Also some Pink Killarney from bench..... 5.00 per 100; 35.00 per 1000

J. A BUDLONG, 82-86 E. Randolph St., Chicago

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

The Early Advertisement Gets There

Dreer Specials in Hardy Perennials



PYRETHRUM HYBRIDUM FL. PL.

Anemone Japonica. Not the usual winter killed stock, pulled up from the field, which may or may not grow and flower, but 60,000 well-established plants in 3 inch pots, which if planted under conditions at all favorable will produce an abundance of flowers during the late summer and fall months which will be found valuable for cutting purposes. The varieties are the choicest now grown:

	Per doz.	Per 100
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Alba. A fine large snowy-white.....	1 00	7 00
Queen Charlotte. Very large, silvery-pink.....	1 00	7 00
Rosea Superba. Very delicate, silvery-rose.....	1 00	7 00
Whirlwind. Large semi-double, pure white flowers.....	1 00	7 00
Kriemhilde (new). Semi-double, rose pink.....	1 00	7 00
Loreley (new). A semi-double, bright, silvery mauve pink..	1 50	10 00
Alice (new). Large, silvery-rose, shell-like petals suffused with fresh carmine.....	1 50	10 00
Geant Blanche. Largest single glistening white.....	1 50	10 00
Prince Henry. Large, very double, deep rich pink.....	1 50	10 00
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Double Flowering Hybrid Pyrethrums. We are carrying a large stock of these, not sea-sick plants, but stock which will flower freely this season, and you will make no mistake in planting these for early summer cut-flowers, for which they are invaluable, and your customers will appreciate them. We offer the following colors: **Double White, Double Pink and Double Crimson**, \$2.50 per dozen; \$20.00 per 100. We also can supply a splendid lot of **Single Flowering Seedlings** in choicest mixture from 3-inch pots, which will flower freely this season, at 85c per doz.; \$6.00 per 100; \$50.00 per 1000.

We are now distributing our **Spring Wholesale List**, which offers a complete line of **Hardy Perennials, Large Roses in pots**, specially prepared for the retail trade, **Hardy Vines and Climbers, Shrubs, Decorative Stock, Boxwoods, Bay Trees, Water Lilies**—in fact, everything seasonable in **Plants, Bulbs and Seeds**. The most complete list of its kind published.

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The above prices are intended for the Trade only.

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	100	1000
Enchantress.....	\$3.00	\$26.00
Pure White Enchantress....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Mrs. C. W. Ward.....	3.50	30.00
Dorothy Gordon.....	3.50	30.00
White Wonder.....	6.00	50.00

250 at 1000 rates. Cash or reference.

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Roses, Cannas, Shrubs

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WEST GROVE, PA.

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Ampelopsis Veitchii, 1 and 2 year old No. 1, \$4.00 and \$8.00 per 100; fine field grown stock with long live vines. **Clematis Paniculata XX** 2 year field grown vines, \$7.00 per 100; 3 year vines, very heavy, \$8.00 per 100. 200,000 **Privet**, all sizes. **Shrubs, Vines, Bulbs, etc.** low; get my list, it will pay.

BENJ. CONNELL, Florist, Merchantville, N. J.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Grafted Rose Plants

Choice stock from flowering wood, ready for delivery April 1st.
Well hardened and in good condition to bench or repot.

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Our stock is all grafted on selected English Manetti.

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Own Root Perles, \$3.50 per 100 in 2½-in pots.

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Roses Originated by Jackson Dawson

Write for pamphlet, including prices.

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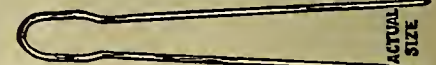
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J. Lichtenberger, 1594 Avenue A, NEW YORK Telephone Lenox 5644. Mention the American Florist when writing



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TIME IS MONEY Save 1/2 the time greening your designs by using Florists' Greening Pins. 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.

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AMERICAN FLORIST

will do what you want. Try it now. Back of every ad is a real want, so it pays to answer them. : : : : :

Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

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Write for prices before ordering elsewhere. Prompt shipment guaranteed

IGOE BROS.,
288 North 8th St., BROOKLYN, N. Y.

SPLIT GARNATIONS

Quickly, easily and cheaply Mended. No tools required.

Pillsbury Carnation Staple Patented 1908.

2000 for \$1.00 postpaid.

I. L. PILLSBURY,
Galesburg, Ill.

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Is the kind enjoyed by the American Florist. Its actual paid circulation we believe, is the largest in its class. The contents are of real present value and are preserved for future reference. Advertisers who realize this establish permanent business with the best trade in the United States and Canada.

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
808 Shields Ave. CHICAGO.

Ready Reference Section.

10 CENTS PER LINE, NET.



ACHYRANTHES.

Achyranthes, rooted cuttings. P. de Bailey, Metallica, Linden, Warscewiczii, \$6 per 1,000; 2-in., P. de Bailey, \$2.50 per 100; Metallica, Linden, Warscewiczii, \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

AGERATUMS.

Ageratum, Stella Gurney, Princess Pauline, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ageratum. A. N. Pierson, Inc., Cromwell, Conn.

ALYSSUM.

Sweet alyssum, our big double giant, 80c per 100; \$6 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

Sweet alyssum, Little Gem, R. C., 60c per 100; \$5 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

ALTERNANTHERAS.

Alternantheras, R. C. P. major, A. Nana, 50c per 100; \$4 per 1,000. Brilliantissima, 60c per 100; \$5 per 1,000. J. W. Davis, 225 W. 16th St., Davenport, Iowa.

Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

AMPELOPSIS.

Ampelopsis Engelmani, hardier than Boston ivy, clings tightly, vigorous 1½ to 2 ft., \$5 per 100. Cuttings of same partly rooted, easy to grow, 75c per 100; \$7 per 1,000. E. Y. Teas & Son, Centerville, Ind.

ARAUCARIAS.

Araucarias, 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; 18 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Araucarias, 6 to 8 ins. high, case lots, of 50 and 100 each, \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechslein, 4911 Quincy St., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus baskets, \$1, \$1.50 and \$2 each. Plumosa, 2-in., 40c per doz.; \$3 per 100; 3-in., 75c per doz.; \$6 per 100; 4-in., \$1.50 per doz.; \$12 per 100; 6-in., \$4 per doz.; \$30 per 100. Asparagus S. D., 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ASPARAGUS PLUMOSUS.

Extra fancy plants in 3½ in. pots, \$3.50 per 100. FINE STOCK. A BARGAIN. Act quick.

WM. F. DUNTEMANN,
Bensenville, Ill.

Asparagus plumosa nanus, from 2¼-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Nelpp, prop., Chatham, N. J.

Asparagus plumosus, clumps from bench, 1-year, \$4 per 100; \$35 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Asparagus plumosus nanus, 2¼-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Asparagus plumosus, 2¼-in., \$3 per 100; \$25 per 1,000. Sprengerl, 2½-in., \$2.50 per 100; \$22 per 1,000. Storra & Harrison Co., Painesville, O.

Asparagus Sprengerl, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmaus, Newton, N. J.

Asparagus plumosus and Sprengerl plants ready for 2½-in. pots, \$1.50 per 100. G. C. Lange, 2226 S. Meridian St., Indianapolis, Ind.

Asparagus plumosus, 2¼-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengerl, 2¼-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2¼-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprengerl, can be shifted into 5-in., \$6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, \$2.50 per 100; \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2¼-in., \$2 per 100; \$18 per 1,000. Joseph H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengerl plants. W. H. Elliott, Brighton, Masa.

ASPIDISTRAS.

Aspidistras, variegated, 15c per leaf. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

AZALEAS.

Azaleas, Empress of India, 75c, \$1 and \$1.50 each. Van der Cruyssen, 75c, \$1, \$1.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea mollis, 12-15 ins., 10 to 16 buds, \$25 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEDDING PLANTS.

Bedding plants. Abutilon Savitzi; Acalypha macateana; Achyranthes Emersoni; ageratum, 7 varieties; Begonia Vernon; Cyphella platycentra; Cineraria Maritima candidissima; Canuas, assorted and King Humbert; Coleus, Brilliance and 11 standard varieties; Chrysanthemums, hardy pompons; Fuchsia, Goettingen and Marinka; hardy English ivy; Geraniums, ivy leaved, Mt. of Snow, Mrs. Pollock, Silver leaf Nutt, Sophie Dumaresque; Heliotrope Chieftain and Mme. Brunt; Lemon verbena; moonvine, white and blue; petunias, dbl., fringed mixed; Sage Holts mammoth; Salvia Bonaire and Zurich; Senecio scandens, parlor ivy; Verbenas, 5 vars.; hardy phlox, 10 varieties. For sizes and prices see advertisement elsewhere in this issue. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. The Meredith Flower and Vegetable Co., Libertyville, Ill.

BEGONIAS.

Begonias, fine transplanted stock ready for shipment. Vernon, scarlet; Luminosa, crimson; Gracilis Resea, light pink; \$1.25 per 100; by mail; \$8 per 1,000, express. Cash with order. Peter Brown, Lancaster, Pa.

Begonia Glory of Cincinnati, young aboots from base, \$15 per 100; \$140 per 1,000. J. A. Peterson, Cincinnati, O.

Begonias, Gloire de Lorraine and Glory of Cincinnati, \$2 per doz.; \$15 per 100; \$140 per 1,000. Vaughan's Seed Store, Chicago and New York.

Rex begonia, assorted, 3-in., \$5 per 100. The Dinger & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Buah box, 12 ins., 30c each; \$25 per 100. Storra & Harrison Co., Painesville, O.

Boxwoods Pyramids, 18 in. 50c each; 2 ft. \$1.00 each; 2½ ft. \$1.50 each; 3 ft. \$2.00 each; 3½ ft. \$3.00 each; 4 ft. \$4.00 each; 4½ ft. \$5.00 each. Cash. F. O. Franzen, 1476 Summerdale Avenue, Chicago, Ill.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Place, Chicago.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, tuberose, true dwarf Pearl, 1st size, 4-6 in., \$9 per 1,000; medium, 3-4 in., \$5; mammoth, 6-8 in., \$15. Gladiolus, Mrs. Francis King, 1¼ to 1½-in., \$17 per 1,000; Augusta, 1¼ to 1½-in., \$16; America, 1¼ to 1½-in., \$27.50; Kunderl "Glory," per 100, \$7.50; per 1,000, \$70. Florist XXX mixed, \$15 per 1,000. Princeps, \$10 per 100; red and scarlet shades, \$11 per 1,000; pink shades, \$13.50. Caladium esculentum, 5-7 in., \$15; 7-9 in., \$30. Lillium rubrum, 9-11, \$80 per 1,000. Lillium auratum, 8-9, \$50; 9-11, \$80. Vaughan's Seed Store, Chicago and New York.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, tuberose, dwarf Pearl, 1st price, \$1.10 per 100; \$9.50 per 1,000. Caladiums, 5-7 in., \$2 per 100; 7-9, \$3.50; 9-11, \$6 per 100. Begonias, dbl. separate, \$4 per 100; \$35 per 1,000. Gloxinias, separate colors, \$3.50 per 100; \$30 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs, Lillium Harrisii, 7-9, \$17 per case of 250 bulbs. White hyacinths, 12-15 ctms., \$18 per 1,000. Paper White Grandi, Narcissus, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Gladiolus Alice Carey, best commercial white, No. 1, \$5 per 100; \$40 per 1,000. Gladiolus Golden Nugget, glistening yellow. No. 1, \$6 per 100; \$50 per 1,000. E. Y. Teas & Son, Centerville, Ind.

Japan lily bulbs, Lillium giganteum, longiflorum, Formosa, multiflorum, magnificum, Melpomene, rubrum, album, auratum, etc. The Japan Lillium Co., 952 40th St., Oakland, Calif.

Bulbs, Horseshoe Brand Lillium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Gladiolus, Mrs. Francis King, 2nd size, \$12 per 1,000; 3rd size, \$8. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lilies. E. S. Miller, Wading River, N. Y.

Bulbs, hyacintha, tulps, narcissus, crocua, spreas, gladiolus, peonies, etc. Van Zanten Bros., Hillegom, Holland.

Gladioli. I have a small surplus of named gladioli that I offer at reduced prices. Write for surplus list. LILLESAND, Cambridge, Wis.

Bulbs, begonia and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs, Surplus of L. Multiflorum, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulba of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, Dutch. W. J. Eldering & Son, Overveen, Holland.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Bulbs, Burnett Bros., 72 Cortland St., New York.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Caenas, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crimson Bedder, Chas. Henderson, David Harum, Allemania, Shepaodah, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Cannas. For varieties and prices, see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Cannas, Chas. Henderson, 2 to 3 eyes, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Cannas. La Granja Farm, Donna, Texas.

CARNATIONS.

CARNATIONS.

Strong, Well Rooted Cuttings.

	Per 100	Per 1000
Washington	\$6.00	\$50.00
White Wonder	6.00	50.00
White Enchantress, pure white	3.00	25.00
White Perfection	3.00	25.00
Victory	3.00	25.00
Scarlet Glow	3.00	25.00
May Day, very fine	3.00	25.00

CHICAGO CARNATION CO.

A. T. Pyfer, Mgr., 30 E. Raadolph St., Chicago.

FINE CARNATION CUTTINGS.

	Per 100	Per 1000
Victory	\$2.00	\$15.00
Winsor	2.00	15.00
White Lawson	2.00	15.00
Pink Lawson	2.00	15.00
Washington	6.00	50.00
Enchantress	3.00	25.00

WIETOR BROTHERS,

162 N. Wabash Ave., Chicago.

Carnations, White Wonder, Norwood, \$6 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Enchantress, Enchantress, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Rose Pink Enchantress from soil, \$24 per 1,000. Enchantress from soil, \$29 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, strong rooted stem cuttings, Victory out of sand, \$13 per 1,000; out of soil, \$20 per 1,000. Winsor, out of sand, \$15 per 1,000; out of soil, \$20 per 1,000. White Perfection, \$15 per 1,000. C. W. Ward, \$25 per 1,000. Washington, \$35 per 1,000; 100 at 1,000 rate. Cash or references. Northwestern Floral Co., Gross Point, Ill.

Carnations, extra fine strong stock in the following varieties: Enchantress, Pure White Enchantress, Rose Pink Enchantress and W. Perfection, \$3 per 100; \$25 per 1,000. Beacon, Dorothy Gordon and Mrs. C. W. Ward, \$3.50 per 100; \$30 per 1,000. White Wonder and Gloriosa, \$6 per 100; \$50 per 1,000. I guarantee to please you. 250 at 100 rate. Cash or reference. A. A. Gannett, Geneva, N. Y.

ROOTED CARNATIONS from 2-in. pots, clean, vigorous stock; Enchantress, White Perfection and Victory, \$4 per 100; \$35 per 1,000. Winsor, White and Pink Lawson, \$3.50 per 1,000; \$30 per 1,000. Cash or reference. Elich-Loag Greenhouses, Denver, Colo.

Carnations, Washington, Bright Spot, \$6 per 100; \$50 per 1,000. Mrs. C. W. Ward, \$4 per 100; \$30 per 1,000. Sangamo, Dorothy Gordon, White Enchantress, Enchantress, White Perfection, May Day, Beacon, Scarlet Glow, \$3 per 100; \$25 per 1,000. A. C. Brown, Springfield, Ill.

Carnations, Rosette, \$12 per 100; \$100 per 1,000. Scarlet Glow, White Perfection, \$3 per 100; \$25 per 1,000. Bonfire, \$6 per 100; \$50 per 1,000. Rose P. Enchantress, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., LaFayette, Ind.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000. White Winsor, \$6 per 100; \$50 per 1,000. Smith & Gannett, Geneva, N. Y.

Carnations, Washington, \$4 per 100; \$35 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000. Beacon, \$3 per 100; \$25 per 1,000. May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, W. Perfection, Winsor, Mrs. Ward, Beacon, \$2.50 per 100; \$20 per 1,000. Victory, \$2 per 100; \$15 per 1,000. White Wonder and Washington, \$5 per 100. A. M. Herr, Lancaster, Pa.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward, White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnations, Beacon, White Enchantress, \$2.50 per 100; \$20 per 1,000. R. P. Enchantress, Enchantress, \$2 per 100; \$17.50 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Carnations, strong 2-in. stock, Mrs. C. W. Ward, Alma Ward and Dorothy Gordon, \$3.50 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Carnations, rooted cuttings, White, Light Pink and Enchantress, \$20 per 1,000. Percy Jones, 56 E. Raadolph St., Chicago.

Carnations, White Enchantress, \$25 per 1,000. Mrs. C. W. Ward, \$30. White Wonder, \$50. E. C. Hill Co., Richmond, Ind.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations, Wm. Swayne, Box 85, Kennett Square, Pa.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

SMITH'S CHRYSANTHEMUM BULLETIN.

Strictly first-class Stock from 2 1/4-in. pots. Clematislike Touset, Comolota, Early Snow, Golden Glow, Monrovia, Mrs. H. W. Buckhee, Robert Halliday, Col. D. Appleton, Dr. Enguehard, Major Bonaffon, T. Eaton, Vivand-Morel, Helen Frick, Maud Deaa, Venetta, White Bonaffon, Lanoma, Mrs. W. E. Kelley, Nagoya, \$3 per 100; \$25 per 1,000. Golden Wedding, Lynnwood, Hall Pres. Roosevelt, Intensity, W. H. Chadwick, White Heleu Frick, Dolly Dimple, Winter Cheer, Golden Chadwick, Pockett's Crimson, Mrs. O. H. Kahn, Greenview, Wm. Duckham, \$4 per 100; \$35 per 1,000. Chadwick Improved, \$5 per 100; \$40 per 1,000. We are now booking orders of the following for May delivery. Chrysolora, \$15 per 100. Smith's Advance, Unaka, Dick Witterstaetter, Thanksgiving Queen, Romaa Gold, \$6 per 100. The foregoing are only a partial list of varieties we carry in stock. All others will be quoted on application. ROOTED CUTTINGS: \$2.50 per 100; \$17.50 per 1,000 for those quoted at \$3 per 100. \$3 per 100; \$22.50 per 1,000 for those quoted at \$4 per 100. \$4 per 100; \$30 per 1,000 for those quoted at \$5 per 100; 25 at 100; 250 at 1,000 rate. For colors and flowering season refer to our catalogue for 1912. This advertisement will be changed weekly to comply with stock on hand.

Patty, Pacific Supreme, Amorita, Mlle. M. Desjouis, Mayor Weaver, Kloudike, Diana, \$3 per 100. Elise Papworth, Pres. Roosevelt, Beatrice May, M. Loiseau-Rousseau, T. Carriaga, Geo. W. Pook, Blackhawk, \$4 per 100. Merza, \$5 per 100. ELMER D. SMITH & CO., ADRIAN, MICH.

CHRYSANTHEMUMS.

March 1st delivery.

Crimson	R. C. Per 100	Per 1,000
Pockett's Crimson	.....\$2.50	\$20.00
Intensity	.....2.00	15.00
White	R. C. Per 100	Per 1,000
Alice Byron	.....\$2.00	\$15.00
Touset	.....2.00	15.00
October Frost	.....2.00	15.00
Yellow	R. C. Per 100	Per 1,000
Crocus	.....\$4.00	\$35.00
Golden Glow	.....2.00	15.00
Holiday	.....2.00	15.00
Maj. Bonaffon	.....2.00	15.00
Pink	R. C. Per 100	Per 1,000
Pacific Supreme	.....\$2.00	\$15.00

J. D. THOMPSON CARNATION CO., JOLIET, ILL.

CHRYSANTHEMUMS, R. C., \$2; 2 1/4-in. \$3.50; 3-in., \$5. White: Kalb, Bonaffon, J. Jones, Robison. Pink: Ivory, J. K. Shaw, Dr. Enguehard, Maud Deaa, Monrovia, Robt. Halliday, Golden Wedding, Yellow Chadwick, Golden Glow, Bonaffon, Golden Age, Appleton, GEO. A. KUHLE, Pekia, Ill.

Chrysanthemums, R. C. White Bonaffon, \$1 per 100. Yellow Bonaffon, \$1 per 100. Merrill Newia, dark pink, \$2 per 100. Chas. H. Kronsberg, Jr., 4818 Carter Ave., St. Louis, Mo.

Chrysanthemums, Early Snow, Estelle, Golden Glow, Pacific Supreme, Bonaffon, J. Nolin, Nagoya, rooted cuttings, \$1 per 100. Edward Wallis, Atco, N. J.

Chrysanthemums, Major, Bonaffon, Standard yellow, every plant well rooted, \$1.50 per 100; \$12.50 per 1,000. Cash with order. Charles M. Weaver, Roaks, Pa.

Chrysanthemum Maximum perfectum (improved Shasta daisy), seedlings, \$5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Chrysanthemums, 2 1/4-in. pots. For varieties and prices see advertisement elsewhere in this issue. EH Cross, Grand Rapids, Mich.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums. Our collection of over 50 varieties cover all that is desirable. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. J. D. Thompson Carnation Co., Joliet, Ill.

Fine well rooted Bonaffon, \$10 per 1,000. A. J. Stahelin, Redford, Mich.

Chrysanthemums, Chas. H. Totty, Madison, N. J.

Chrysanthemums, commercial varieties. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, Wm. Swayne, Box 85, Kennett Square, Pa.

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

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis, W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, Golden Bedder, Verschaffeltii and standard, \$6 per 1,000. Giant leaved, \$2.50 per 100. A. M. Herr, Lancaster, Pa.

Coleus, 2-in., Pfister, red and yellow Beckwith's Gem, \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago.

Coleus, A. N. Pierson, Inc., Cromwell, Conn.

CYCLAMENS.

Cyclamens, 3-in. pots, \$10 per 100; \$90 per 1,000. Julius Roehrs Co., Rutherford, N. J.

CYPERUS.

Cyperus, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlia, a choice list of best novelties and varieties for cutting or garden use. True to name. Send for catalogue of dahlias, hollyhocks, hardy plants, etc. Prices reasonable. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias, strong divisions, best cut flower sorts, grown from divisions, not plants. The W. K. Fletcher Bulb and Floral Co., shipping point, Des Moines, Valley Junction, Iowa.

Dahlias. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlias, divided field clumps of Nymphaea, \$3 per 100; \$25 per 1,000. L. Manard, R. F. D. 1, Knoxville, Tenn.

Dahlias, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias, new and standard varieties. Bassett & Weller, Hammonon, N. J.

Dahlias, E. Stanley Brown, East Moriches, Suffolk Co., N. Y.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

DAISY HEADQUARTERS. We offer strong Mrs. Sander, the new large double white. 2 1/4-in., \$4 per 100; 2 1/2-in., \$5; 3-in., \$6. Soleil D'or, best yellow, 2 1/2-in., \$4 per 100; 3-in., \$5. Queen Alexandra, fine white, 2 1/2-in., \$4 per 100; 3-in., \$5. Immediate delivery. WEILAND & RISCH, 154 N. Wabash Ave., Chicago.

Margarites, yellow, cuttings, \$6 per 1,000; 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRAENAES.

Draena indivisa, 2-in., \$3 per 100; \$25 per 1,000; 7-in., \$1.25 each; \$15 per doz. Draena Massangeana, \$1.25 each; 7-in., \$1.50 each. Draena terminalis, 4-in., 35c each; \$4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Draena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Draena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmons, Newton, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

FERNS.

Ferns, Boston, 2-in., \$3 per 100, \$25 per 1,000; 3-in., \$1 per doz.; \$8 per 100; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz. Boston fern baskets, \$1 to \$2 each. Assorted ferns for dishes, 2-in., 40c per doz.; \$1 per 100; \$25 per 1,000. Cliothum, 7 in., \$2.50 each; \$30 per doz.; 8-in., \$3 each, \$36 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns, Amerpohl, Barrows, Scott, Elegantisima, Boston, Jackson, Sweet and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Hinge & Conard Co., West Grove, Pa.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000; 2-in., 8 varieties, \$3 per 100; \$25 per 1,000. Cash, please. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, 4-in., \$12 per 100. Boston, Barrows, Elegantisima. Also 2 1/2-in. Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, fine, double flowers, the best of all, \$1 per 100; \$9 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

FICUS.

Ficus elastica, 6-in., 50c each; \$6 per doz. Ficus repens, 2 1/2-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GERANIUMS.

GERANIUMS. Extra strong 2-in. stock for immediate or later delivery. S. A. Nutt, Jean Vincl, Ricard, Poitevine, San Sloan, Perillon, single and double White, etc., etc., \$3 per 100; \$25 per 1,000. Cash or reference. Elitch-Long Greenhouses, Denver, Colo.

ROOTED GERANIUM CUTTINGS.

S. A. Nutt, Gen. Grant, Beante Poitevine, Mme. Buchner, strong selected top cuttings which will make 2 1/2 or 3-in. stock for May trade, \$1.25 per 100; \$12 per 1,000. The W. T. Buckley Co., Springfield, Ill.

GERANIUM SCARLET BEDDER.

An improved S. A. Nutt, being brighter in color and surpassing this popular sort in freedom of bloom. Strong plants, 30c each; \$2.50 per 10; \$20 per 100.

ELMER D. SMITH & CO., Adrian, Mich.

Geraniums, Nutt, \$11.50 per 1,000. Ricard and Poitevine, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Leakes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens. Henry M. Robinson & Co., 46 W. 26th St., New York.

HARDY PLANTS.

HARDY PLANTS, Papaver Orientale (Oriental poppy), strong field-grown roots, blooming size, per 100, \$4. E. H. Vick, Seedsman, Rochester, N. Y.

HARDY PLANTS. Hardy Native Ferns and Plants. Catalog for asking. L. E. Williams, Exeter, N. H.

Hardy perennials. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

HOLLYHOCKS.—A fancy mixture of the Althea-type strain. Pure, clean seed, \$1 per lb. Why not grow your own plants? W. W. Wilmore, Box 382, Denver, Colo.

HOLLYHOCK SEED. Fancy mixed, single and double varieties. Write for our low price, stating quantity you can use. Elitch-Long Greenhouses, Denver, Colo.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELLOTROPES.

Heliotrope, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otaksa, 6-7-in., 3 to 4 flowering stems, \$1 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., \$1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, German, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, German, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs, M. Legraye, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Harburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the Valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lilies of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$17 per 1,000. Florists' Money Maker, \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3032-3040 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawu, Lambert's Pure Culture. American Spawu Co., St. Paul, Minn.

NURSERY STOCK.

NURSERY STOCK.

Hardy Native Ornamental Stock. Catalog for asking. L. E. Williams, Exeter, N. H.

Nursery stock, trees, shrubs and perennials. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Berberis Thumbergii, transplanted, 15 to 20 inches, \$6 per 100. Berberis Thumbergii seedlings, 4 to 8 inches, \$1 per 100; \$5 per 1,000. E. Y. Teas & Son, Centerville, Ind.

Koster's blue spruce (Picea pungens glauca Kosteri compacta). M. Koster, care Malins & Ware, 14 Stone St., New York.

Japan Maple, \$1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Nursery stock, Ampelopsis Velcheii, Clematis paniculata, privet, shrubs, vines, bulbs, etc. Benj. Connell, Merchantville, N. J.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, ornamental trees and shrubbery. The Wm. H. Moon Co., Morrisville, Pa. Evergreens. D. Hill Nursery Co., Box 404, Dundee, Ill.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sanderross Lane, Reigate, England.

Orchids, Cattleya and Lelia Accepts. G. L. Freeman, Wellfleet, Mass.

PANDANUS.

Pandanus utills, 3-in., \$1.50 per doz. Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utills, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

KENTIA BELMOREANA, 2 1/2-in. pots, 10-15 inches tall, four or more characterized leaves, \$9 per 100 and worth the money. Jackson & Perkins Co., Newark, New York.

Palms, Phoenix Canariensis and Arecia Sapida. For prices see advertisement elsewhere in this issue. The Kentia Nurseries, Santa Barbara, Calif.

Cycas stems, dormant, 50 lbs., per lb., 10c; to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs and up, 7 1/2c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

200,000 pansy plants, fall transplanted, best strains, in colors or mixed, \$2.25 per 1,000. Ready April 15. Strong seedlings, \$1.25 per 1,000. Cash with order. Henry Greene, Ft. Hamilton Ave. and 2nd St., Brooklyn, N. Y.

Pansies, 60,000 large stocky (Sept. transplanted) field-grown blooming pansy plants. Henry Mette's strain, \$1 per 100; \$10 per 1,000. Cash. The Brill Celery Gardens, Kalamazoo, Mich.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, galliardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, transp. seedlings, \$5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies, good strong divisions in mixed varieties, 5c. The Mosbæk Greenhouse Co., Onarga, Ill.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 18 to 24 ins., 8 to 12 buds, 75c each; 24 to 30 ins., 12 to 16 buds, \$1 each; 30 to 36 ins., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 ins. named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

Rhododendrons, 75c, \$1 and \$1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

ONION SETS.

Choice, unsprouted onion sets, yellow, \$1.70; white, \$2 per 32 lbs. Bushel sacks included. Sluis Seed Store, 544 W. 63rd st., Chicago.

ROOTED CUTTINGS.

Rooted cuttings, verbenas, 60c per 100; \$5 per 1,000. Salvias, 80c per 100; \$7 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Giant dbl. Alyssum, 80c per 100. Ageratum, 60c per 100; \$5 per 1,000. Petunias, \$1.25 per 100; \$10 per 1,000. Pelargoniums, \$2.50 per 100; \$22 per 1,000. Heliotrope, 80c per 100; \$7 per 1,000. Daisies, \$1 per 100; \$8 per 1,000. Feverfew, \$1 per 100; \$9 per 1,000. S. D. Brant, Clay Center, Kans.

ROSES.**CHOICE ROSE PLANTS.**

	Per	Per
	100	1,000
American Beauties 2½ in.	\$6.00	\$50.00
Pink Killarney 2½ in.	5.00	45.00
White Killarney 2½ in.	5.00	45.00
Richmond 2½ in.	3.00	25.00
Jardine 2½ in.	3.00	25.00
Uncle John 2½ in.	3.00	25.00

Ready Now, Order Early.

WIEFOW BROS.,

102 N. Wabash Ave. Chicago

ROSES.

	2½-in.	3-in.
American Beauties	\$6.00	\$8.50
Bride	3.50	6.00
Bridesmaid	3.50	6.00
Ivory	3.50	6.00
Uncle John	3.50	6.00
Richmond	4.00	7.50

GEO. A. KUHLE, PEKIN, ILL.

ROSE MRS. TAFT (Antoine Revolve). We are headquarters for this grand rose. Large stock for immediate shipment. We quote own root, strong, 3-in. pots, \$10 per 100; \$85 per 1,000. Also offer **MELBONY**, **THE KILLARNEY**, **NEYS**, **RICHMOND**, **MY MARYLAND**. Write for special prices. **WELAND & RISCH**, 154 N. Wabash Ave., Chicago.

AMERICAN BEAUTY PLANTS, 40,000 Beauty plants, 2½-in. pots, \$6 per 100; \$50 per 1,000. American Beauty bench plants, 1-year-old, \$3 per 100; \$30 per 1,000. Richmond bench plants, 1-year-old, \$5 per 100; \$40 per 1,000. White and Pink Killarney, 2½-in. pots, \$4 per 100; \$35 per 1,000. Satisfaction guaranteed. **Geo. Reinberg**, 102 N. Wabash Ave., Chicago.

GRAFTED ROSE PLANTS. Killarney, White Killarney and Richmond, choicest stock from dowering wood, grafted on selected English Manetti. Order must come quick to insure delivery. Cash or reference. **Elitch-Long Greenhouses**, Denver, Colo.

ROSES. Own-root. My Maryland, Pink Killarney, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2½-in. pots, \$5 per 100. **J. L. DILLON**, Bloomsburg, Pa.

Roses, 2½-in. My Maryland, \$6 per 100; \$50 per 1,000. Pink Killarney, from bench, \$5 per 100; \$35 per 1,000. **J. A. Budlong**, 82 E. Randolph St., Chicago.

Kaiserin roses, 2-year-old, field-grown, in 4-in. pots, ready for bench, \$12.50 per 100. Cash. **Mrs. Jos. Bock**, Burlington, Iowa.

Roses. For varieties and prices see advertisement elsewhere in this issue. **A. N. Pierson, Inc.**, Cromwell, Conn.

Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthas, Standards and half standards. **Jackson & Perkins Co.**, Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. **Chas. H. Totty**, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. **Vaughan's Seed Store**, Chicago and New York.

ROSES. Send for New Trade List just out. **THE CONARD & JONES CO.**, West Grove, Pa.

Roses. Eastern Nurseries, 1090 Centre St., Jamaica Plain, Mass.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 tr.	Tr.
	Pkts.	Pkts.
Begonia Bedding Queen, finest pink	\$2.50	\$0.50
" Crucilla luminosa, finest red	2.50	.50
" Triumph, finest white	2.50	.50

O. V. Zangeo, Hoboken, N. J.

SEEDS. Aster, Vick's Mikado Pink (Rochester) ¼ oz., 60c; oz., \$1.50. Dreyer's Electric, ¼ oz., 40c; ¼ oz., \$1; oz., \$2. Vick's Deep Rose Pink or My Superior mixed Branching, ¼ oz., 30c; oz., \$1. **E. H. Vick**, Seedsman, Rochester, N. Y.

ORIENTAL POPPY SEED. Five pounds or less. Write for our low price, stating quantity that you can use. **Elitch-Long Greenhouses**, Denver, Colo.

Seeds, larix, pinus, cinnamom, abies, melia, etc. **T. Anemiyia & Co.**, 220 Clement St., San Francisco, Calif.

Seeds, sweet peas. **Burnett Bros.**, 72 Cortlandt St., New York.

Seeds, specialties, pepper, egg plant, tomato, vine seed and field corn. **Edgar F. Hurff**, Mullica Hill, N. J.

SMILAX.

Smilax, 2-in., \$1.50 per 100. **Elmer Rawlings**, Olean, N. Y.

STRAWBERRY PLANTS.

Strawberry plants, Senator Dunlop, \$2.50 per 1,000. **Mosbæk Greenhouse Co.**, Oargra, Ill.

VEGETABLE PLANTS.

TOMATOES—Stone, Beauty, Champion, Ponderosa, strong transplanted plants, \$2.50 per 1,000. Ready May 1.

CELERY—White Plume, Golden Self-Blanching, strong transplanted, \$2.50 per 1,000. Ready May 1.

SWEET POTATOES—Early Yellow Jersey, \$1.00 per 1,000. No order accepted for less than 5,000 lots. Ready May 15. Cash with orders. **Henry Greene**, Ft. Hamilton Ave. and 2nd St., Brooklyn, N. Y.

Booking orders: Asters, tomatoes, \$2.70, 1,000. Cabbage, 80c, 1,000. Celery, **Victor Kozuboff**, Ogdenburg, N. Y.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. **Sluis Seed Store**, 544 W. 63rd St., Chicago.

VINCAS.

Vincas, 2-in., \$2.50 per 100; 3-in., \$5; 4-in., \$2 per doz.; \$15 per 100. **The Geo. Wittbold Co.**, Edgebrook, Chicago, Ill.

VINCA VARIEGATA, fine large 4-in. pot plants, \$9 per 100. Order now. Don't delay. **Wagner Park Conservatories**, Sidney, Ohio.

Vinca variegata, 2½-in. pot plants, \$2.50 per 100; \$22.50 per 1,000. **E. C. Wagoner**, R. D. No. 1, Beaver Falls, Pa.

Vinca variegata, fine, strong, 2½-in., \$2.50 per 100; \$22.50 per 1,000. **E. C. Wagoner**, R. D. No. 1, Beaver Falls, Pa.

Vinca Minor, field-grown stock, 4c. **The Mosbæk Greenhouse Co.**, Oargra, Ill.

Vincas, rooted cuttings, very strong, \$1 per 100; \$8 per 1,000. Prepaid. **C. Humfeld**, Clay Center, Kans.

Vinca, new golden (minor aurea), 3-in., \$2 per doz.; \$15 per 100. **Win. Tricker**, Arlington, N. J.

VIOLETS.

Violets, Princess of Wales, Campbell, rooted runners, 75c per 100; \$5 per 1,000. **Thos. Burns**, Holmesburg, Phila., Pa.

BOILERS.

Boilers. **The Moninger-Burman**; 200 sizes and styles. **John C. Moninger Co.**, 902 Blackhawk St., Chicago.

Boilers. **The Superior Standard**. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Richardson Greenhouse Boilers. **Richardson & Boynton Co.**, 31 W. 31st St., New York. 66 E. Lake St., Chicago. 51 Portland St., Boston. 1107 Arch St., Philadelphia.

Boilers, steam and hot water. **International Heater Co.**, Utica, N. Y.; Chicago, Boston and New York.

Boilers. **Metropolitan Material Co.**, 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. **Chicago House Wrecking Co.**, 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. **S. Wilks Mfg. Co.**, 3503 Shields Ave., Chicago.

Boilers, water and steam. **Boynton Furnace Co.**, 131 W. Lake St., Chicago.

Boilers, all sizes. **Kroeschell Bros. Co.**, 452 W. Erie St., Chicago.

Boilers for greenhouses. **Giblin & Co.**, Utica, N. Y.

Boilers. **Lord & Burnham Co.**, Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. **A. T. Stearns Lumber Co.**, Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. **Lord & Burnham Co.**, 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. **John C. Moninger Co.**, 902 Blackhawk St., Chicago.

Building material, pecky cypress, abip lap, drop siding, sheathing, flooring, white cedar posts, etc. **Adam Schillo Lumber Co.**, Hawthorne and Weed Sta., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. **A. Dietsch Co.**, 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. **Hitchings & Co.**, 1170 Broadway, N. Y.

Pecky cypress, 1 to 2-ins. thick, random or specified widths, 10 to 16 feet. **William-Kuny Mill and Lumber Co.**, Mound City, Ill.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. **Edward Hloes Lumber Co.**, Chicago.

Steel and iron work. **Scully Steel and Iron Co.**, Chicago and New York.

Building material. Louisiana cypress, pecky cypress, hotbed sash. **S. Jacobs & Sons**, 1357 Flushing Ave., Brooklyn, N. Y.

Insecticides, Aphine, \$1 per quart; \$2.50 per gal. Fungine, 75c per quart; \$2 per gal. **Alphine Mfg. Co.**, Madison, N. J.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. **Michigan Cut Flower Exchange**, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. **I. L. Pillsbury**, Galeburg, Ill.

GUTTERS.

Gutters. **Garland's**. A gutter with a reputation. **Geo. M. Garland Co.**, Dea Plaines, Ill.

Gutters. **Jennings' improved iron gutters**. **Diller, Coskey & Keen**, Sixth and Berk Sts., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse construction and equipment. **King Construction Co.**, N. Tonawanda, N. Y.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. **Lord & Burnham Co.**, 1133 Broadway, N. Y.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. **A. Dietsch Co.**, 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. **John C. Moninger Co.**, 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. **Hitchings Co.**, 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. **The Foley Mfg. Co.**, 2542 So. Western Ave., Chicago.

MISCELLANEOUS.

Dennison Florist Tags. **Dennison Mfg. Co.**, Boston, New York, Philadelphia, Chicago, St. Louis.

Ribbons and Chiffons. **Werthelmer Bros.**, 565 Broadway, New York.

Baskets, see advertisement elsewhere in this issue. **The Raedlein Basket Co.**, 713 Milwaukee Ave., Chicago.

Mastica for greenhouse glazing. **F. O. Pierce & Co.**, 12 W. Broadway, New York.

Greenhouse glass, single and double. **Baur Window Glass Co.**, Easton, Ind.

Peelless refrigerators. **Jas. Lederer**, 644 W. Madison St., Chicago.

Raffia for florists. **Vaughan's Seed Store**, Chicago and New York.

Green Silkaline. **John C. Meyer & Co.**, Lowell, Mass.

Iron reservoir vases and lawn settees. **McDonald Bros.**, Columbus, O.

Greenhouse glass. **Baur Window Glass Co.**, Easton, Ind.

Florists' Supplies. **Henry M. Robinson & Co.**, 46 W. 26th St., New York.

POTS, PANS, ETC.

Flower pots and hotbed sash. Good second-hand pots, 2½ to 6-in., also good strong hotbed sash. If interested write **The Mosbæk Greenhouse Co.**, Oargra, Ill.

The Red Pot. **C. C. Pollworth Co.** All roads connect with Milwaukee.

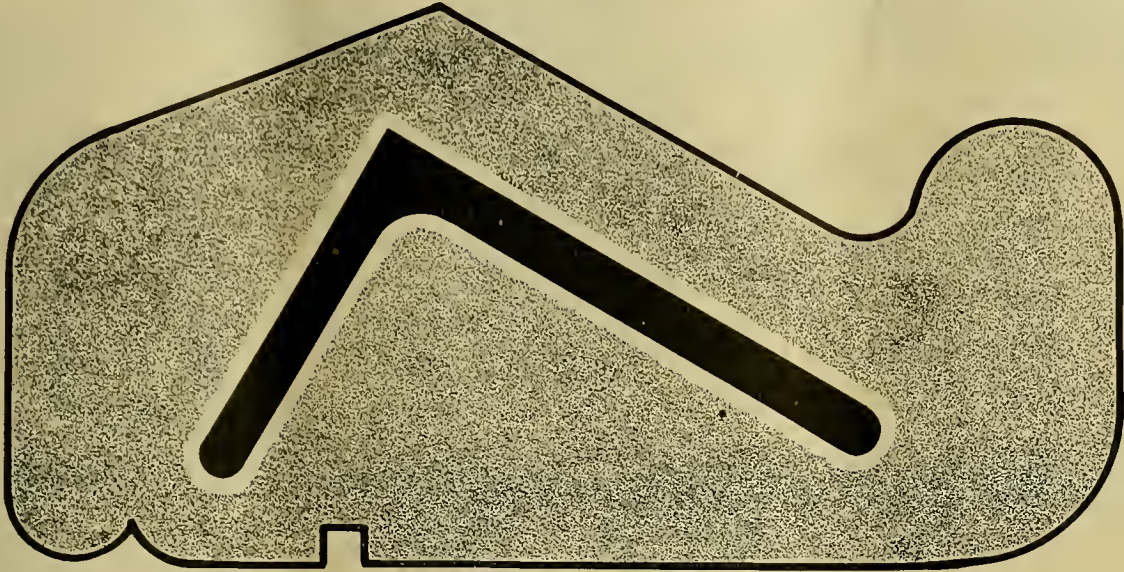
SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. **Albert A. Sawyer**, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. **Vaughan's Seed Store**, Chicago.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



GROWERS! Why do you put into your houses big shade-casting, ice-clinging, wooden eave plates like this one—when you can buy our patented, Galvanized Ice Clearing

Plate that's half the size and twice as strong? Just compare the size of the two plates above. They are exact measurements. Then there's the roof bars—on one they are toe nailed on, making a beautiful joint for the water to lodge in and rot the bar. But not so with our patented plate—every bar is joined to it by a special socket clasp having a good big

opening for carrying off the drip. Not only a dry joint—but a joint of great strength and well nigh endless endurance.

If you don't put another thing of ours in your next house—use our patented plate.

While you are about it, better have our Guaranteed Wrought Iron Side Posts, too. Send for prices.

Lord & Burnham Co.

New York
St. James Bldg.

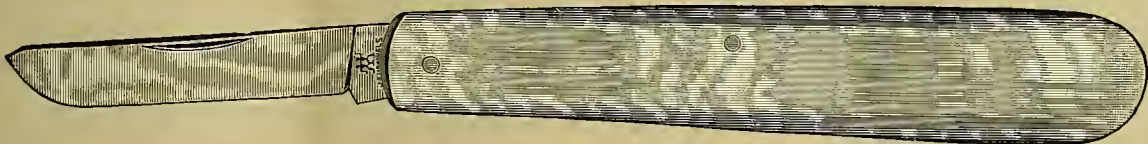
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FACTORIES:
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This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

Albany, N. Y.

Members of the Woman's Club of this city are taking an interest in the children's home garden project. The matter has been placed in the hands of a sub-committee of which Mrs. John T. D. Blackburn is chairman. As a result of the sub-committee's efforts three daily newspapers in the city have offered prizes ranging from \$25 to \$5 for best gardens. Charles Gibson, a prominent merchant, has offered prizes

of \$5 each for best display of growing asters, best growing salvias, and best growing gladiolus. A prize of \$5 is offered also for best exhibits of plants grown in tin cans. Prof. Frank S. Gallup of the high school has secured a plot 4,300 feet by 700 feet near the Manning boulevard for the use of the high school boys, who will mark it off into plots. William C. Gloeckner, florist, 97 State street, will sell the one-cent packets of seeds which will be ob-

tained from an association in Cleveland, Ohio. Philip Bender, superintendent of parks, has offered the use of the lake house in Washington park for an exhibition in October of the flowers and vegetables grown by the children.
R. D.

FLUSHING, N. Y.—Philip Haas has installed an automobile truck to be used in forwarding flowers and plants to the New York market.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Desigus and all Florist Supplies.

—Send For Prices—

404-412 East 34th St.. NEW YORK.

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Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary

SADDLE RIVER, N. J.

Mention the American Florist when writing

J. F. Wilcox & Sons, Council Bluffs, Iowa.

The present plant of J. F. Wilcox & Sons, comprising over 500,000 feet of glass is the largest cut flower establishment west of Chicago and is well known as one of the leading concerns of the country. This large plant is entirely built on a steep hillside and with the handsome residence of Mr. Wilcox in the foreground, makes a unique and striking picture, as on account of the situation every greenhouse in the plant can be seen from one point of view. Because of the encroachment of the growing city and the distance the coal must be hauled, no extensions will be made to the present plant. A new site of 120 acres of level land with facilities for railway switching has been purchased and a new plant will be started at once. With true western ideas, the start will be something big and 150,000 feet of glass will be erected at once, comprised in two detached houses, each 60 feet wide and of the great length of 1,000 feet each. A modern power house and service building with scientific coal handling arrangements will be built and everything about the plant will be strictly up-to-date. The contract for the complete construction has been given to King Construction Company of North Tonawanda, N. Y., and is a very creditable start for H. G. Miller, the newly appointed representative of the King Construction Company in the Chicago district. This is the most extensive piece of greenhouse construction that has ever been covered by a single contract, as it exceeds the great range built by the King Construction Company for H. A. Dreer Inc., at River-ton some months ago.

ST. LOUIS, Mo.—V. J. Gorley has sold to Grimm & Gorly the property and greenhouses on St. Louis avenue.

NORWALK, CONN.—Howard V. Worden has filed a petition in bankruptcy with liabilities of \$719.72 unsecured and \$1,200 accommodation paper, and assets are given at \$220 stock in trade and \$44.50 due on open accounts.

OYSTER BAY, N. Y.—The Oyster Bay Horticultural Society has been organized with a membership of 82. The officers are James Duthie, president; Joseph Robinson, vice-president; H. G. Vail, treasurer; John T. Ingraham, recording secretary; John Devine, financial secretary; James Goldsmith, John Miller and E. I. Grobel, trustees for one, two and three years respectively; William Eccles, Alfred Walker, Thomas Roberts, A. Lahodny, Floyd Blowers, J. R. Raynor and C. Chester Painter, executive committee. The meetings will be held on the third Friday of each month at the Board of Trade rooms.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

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MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.



Ventilating Apparatus
that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind

At the sign of good heating
INTERNATIONAL
STEAM OR HOT WATER BOILERS

For large work use the International
Empress Boiler. For small houses
use the International Prince Boiler.
Why wait? Write us today.
INTERNATIONAL HEATER CO. UTICA, N. Y.

Mention the American Florist when writing

BUCHBINDER BROS.,

518-20 Milwaukee Ave., CHICAGO.

Florists' Ice Boxes

Manufacturers and Dealers of

Store and Office Fixtures.

NEWCASTLE, IND.—Otto Benthey has awarded the contract for four new greenhouses to the Foley Mfg. Co. of Chicago. The houses will be of steel construction and erected on the property recently purchased on South Fourteenth street.



Some Men Would
Rather Crawl Through
the Fence Than Walk
in by the Gate.

Terse Talk No. 3.

SOME folks like to do things the hardest way—at least they persist in doing things that way.

They seem to think that it's a form of shrewdness to get inside by some other way than the straight, frank open gate way. Such fellows are always jockeying over prices. If you named a figure 50 per cent below cost, they would promptly declare your price was "way high."

In the end you and I know that these men actually pay more for what they buy. Pay more because it costs a lot more to sell them, and no one is in business just for the fun of it.

To the man who asks us if we can't get the price of our Iron Frame house down, we answer: "Of course we can, but we won't."

We won't, because we can't keep the quality up and the price down at the same time. We are determined to keep quality up and sell the best house it's possible to build and give the best value for a man's money. The price, at first, may seem a little more, but if you know how to figure, you will at once see that the actual cost is a great deal less.

Walk straight in by the gate and let's talk business.

Next Week's Terse Talk —
"What's Back of the Dollar?
That's the Point."

Hitchings & Co.

Elizabeth, N. J.

New York Office:
1170 Broadway.

WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

**Kroeschell Boiler, Generator and Heating System
INSURE PERFECT RESULTS.**

Having promised you a letter as soon as we passed through a good fair test, I consider it now almost timely. We had the thermometer 18° below zero and we've just gone through a blizzard bad enough for most any season, and am very pleased to inform you that our heating system was equal to the occasion. So far as we have gone, am certainly well satisfied with the Kroeschell Boiler, Generator and Heating System.

J. E. MATTHEWSON, Sheboygan, Wis.

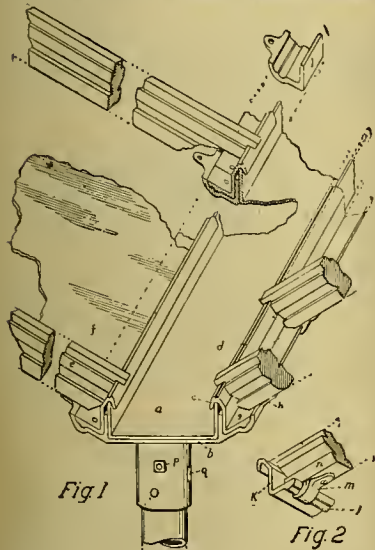
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KROESCHELL BROS. CO. 452 W. ERIE ST. CHICAGO

Metropolitan Material Co.

1396-1410 Metropolitan Ave., BROOKLYN, N. Y.

METROPOLITAN PATENT IRON GUTTER.



One of the features of this gutter is that it can be put up in wrought iron, running to bars for any size glass.

These are only a few of the many latest and up-to-date materials we have. Get our prices on Greenhouse Louisiana Cypress material, ventilating, bench materials, hotbed sash, etc.

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**

Mention the American Florist when writing

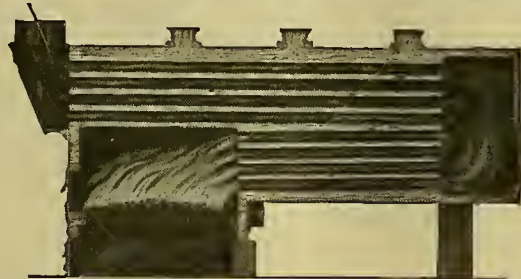
THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings, being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

The National Florists' Board of Trade, 56 Pine St. NEW YORK

Mention the American Florist when writing

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating



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Superior Machine & Boiler Works
846-848 W. Superior St., CHICAGO, ILL.

SUPERIOR QUALITY

SINGLE AND DOUBLE

PROMPT DELIVERY

Greenhouse Glass

Be Sure To Write Us For Prices Before Placing Your Order.

BAUR WINDOW GLASS CO. Eaton, Ind.

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Raffia

For Florists' Use

We are positively headquarters for two best grades. Bales or Ten Bales

Write today for prices.

VAUGHAN'S SEED STORE
New York Chicago

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

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Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

Mention the American Florist when writing



The insecticide that makes good. Will destroy green, black, white fly, red spider, thrips, mealy bug, brown and white scale, and all soft bodied insects. It is an oil and nicotine composition, used as a spray. \$2.50 per gallon—\$1.00 per quart.

FUNGINE

An infallible remedy for mildew, rust, soil fungi and other blights affecting flowers and vegetables. It is a sulphur preparation which does not stain the foliage, and is proving successful where Bordeaux mixture and lime and sulphur fail. \$2.00 per gallon—75c per quart. These products are readily soluble in water, used as a spray, at strength as per directions on cans, and are equally effective in the greenhouse, and in the garden.

Sold by Seedsmen.

Manufactured by

Aphine Manufacturing Company
MADISON N. J.

M. C. EBEL, Gen'l Mgr.

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Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag
Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
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*Green Flies and
Black ones too*
are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOFFHOFF CO., MOUNT VERNON, N. Y.

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D. D. Johnson's Celebrated EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

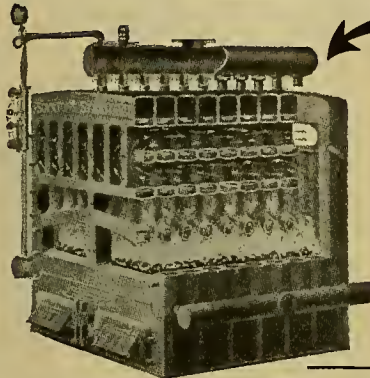
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United Fertilizer Company
Manufacturers

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Boynton Furnace Co.

SOLE MANUFACTURERS OF

BOYNTON'S

WATER and STEAM BOILERS

FOR HEATING ALL KINDS OF BUILDINGS

Especially Adapted to Heating Greenhouses

New York { Chicago } Jersey City
 { 131 W. Lake St. }

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NIKOTEEN

APHIS PUNK

The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. Full pint bottles, \$1.50.

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. ALL SEEDSMEN.

Prepared by THE NICOTINE MFG. CO.,

St. Louis, Mo

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Cattle Manure in Bags

Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequaled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago

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THE BEST Bug Killer and Bloom Saver

For PROOF Write to

P. R. PALETHORPE COMPANY,

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BUDDING KNIFE FREE. See Page 741.

Richardson Greenhouse Boilers

HOT WATER AND STEAM

Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities



**Guaranteed Ratings
Economy
Ease of Management**

**Send for
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Established 1837.

Richardson & Boynton Co.

MANUFACTURERS,

31 West 31st St., NEW YORK

66 East Lake St., CHICAGO. 51 Portland St., BOSTON.

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The Best Color Chart

**For Florists, Seedsmen
and Nurserymen.**

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.
Published and For Sale by the
American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

To Tell All the Good Points of Our Construction

in this advertisement
are planning any
tions, it will pay

is impossible. If you
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you to write us.

**TRUSSED
SASH BAR
AND
IRON FRAME
HOUSES**



**CONCRETE
BENCH MOULDS
AND
GREENHOUSE
APPLIANCES**

MANUFACTURERS OF
The Gutter with a Reputation

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the "Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade. Money orders payable at Lowdham, Notts.

Address Editors of "H. A."
Chilwell Nurseries, LOWDHAM, Notts, England

CUT FLOWER AND DESIGN BOXES
All Sizes LOWEST PRICES
Send for Catalogue
C. C. POLLWORTH CO.
MILWAUKEE, WIS.

**50% SAVED
Pipes, Flues**

and Castings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
13 S. Jefferson St., CHICAGO

**GORHAM & CHAPLINE
PRINTERY** Close Prices on all
Kinds of Printing.

Pontiac Bldg, Harrison & Dearborn Sts., Chicago
1000 Letter Heads..... } \$3.50
1000 Envelopes..... }

Mention the American Florist when writing

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Baltimore.

SUPPLY LARGER THAN DEMAND.

With the weather about perfect for the past three days, neither too hot nor too cold with bright sunshine and clear skies, every thing points to a joyful and prosperous Easter. The weather has produced as fine flowers and as large a supply of all varieties as the markets here have ever handled. Business has been good, both in the retail and wholesale houses, but the supply has been really greater than the demand, the only scarcity being in violets.

NOTES.

Elaborate decorations of the city are planned during the Democratic convention. The Women's Civic league, the Home Garden committee and others interested, have suggested the planting of trees, hedges and flowers in a formal garden in the rear of Fifth Regiment Armory where the convention will be held, having flower boxes and trailing vines instead of the usual bunting from windows and balconies. Baskets should be placed on the top of trolley poles filled with gay flowers and vines, palms, evergreen and bright flowers to be lavishly used and a display of formal gardens around the monuments or where it would add the most in point of beauty. The plans were turned over to Wm. S. Manning, general superintendent of parks.

The storm of wind and rain on Tuesday did great damage in some parts of Baltimore county. Philip Welsh of Glenmorris met with considerable loss. Glass was broken in his range of houses, outbuildings were blown down and the roof from his dwelling nearly blown off. Cars that were standing on siding were overturned and he reports that a rick of fodder was blown so far away, they have never been able to find it.

A visit to Andrew Anderson this week to look through his range of rose houses found them full of bloom. Mr. Anderson grows American Beauties, Richmond, My. Maryland, Ivory, Killarney, Mrs. Taft and Radiance. The last named was very beautiful and has been doing finely all winter with a nice cutting for Easter. He will increase his stock of American Beauties next season by planting another house of that rose.

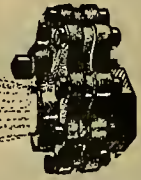
The next regular meeting of the Gardeners' and Florists' Club, will be held Monday, April 8, 1912. An address on "Roses" will be delivered by Wallace R. Pierson, of Cromwell, Conn.

The privet hedges on the private estates and elsewhere were so damaged by the severe winter, that they are being pruned back to within six inches of the ground.

Hans Anderson, who went out of business after the hail storm of last spring, has purchased property at Towson and will erect two houses this spring.

B.

The Everlasting Valve



Ends Blow-Off Troubles

The blow is straight through. The valve cleans itself and the seat is self-grinding.

Kept absolutely tight by the steam pressure. No intricate mechanisms or stuffing boxes.

By unbolting the two bonnets, all working parts are easily accessible.

Send for descriptive booklet and liberal trial offer.

SCULLY STEEL & IRON COMPANY
CHICAGO AND NEW YORK

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Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.,

Mention the American Florist when writing

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON GUTTER.

VENTILATING
APPARATUS

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets.

PHILADELPHIA.

Mention the American Florist when writing

Standard Steam Traps

The simplest, most durable and up-to-date steam trap on the market.

Ask the man who owns one

Catalogue sent on request.

E. HIPPARD CO., Youngstown, Ohio





Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

New York
Chicago

Wichita, Kas.
New Orleans, La

Stocks Carried —
Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

Mention the American Florist when writing

The Mastin Automatic White-wash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.



Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.

3124 West Lake St. CHICAGO, ILL.

Mention the American Florist when writing

THE STANDARD



VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is using a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

BUDDING KNIFE FREE.

See Page 741.

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The Highest Trump in
Greenhouse Construction

Our business is expanding so rapidly that we have appointed representatives in different localities

FOR THE VICINITY OF

CHICAGO

Address

Henry C. Miller

Box 142

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NEW YORK

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BOSTON

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REED & KELLER,

122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES.

We Manufacture all Our **Metal Designs, Baskets, Wire Work, and Novelties,** and are dealers in **Glass-ware, Pottery, Decorative Greens** and all **Florists' Requisites.**

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— BURNED CLAY —
Tile Benches and Tile Bottoms
Give results, Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides

THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

Mention the American Florist when writing

H. BAYERSDORFER & CO.

Florists' Supplies.

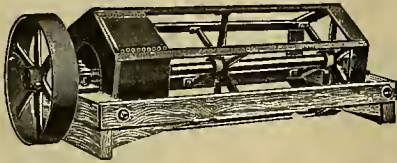
1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Mention the American Florist when writing

Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by **W J. COWEE,** Berlin, N. Y.
Sample free. For sale by dealers.

Mention the American Florist when writing



PATTERSON REVOLVING SIFTER.

ENTERTAINMENT

O M

Peters & Reed

This is the second article of a series describing machines used in our factory.

It is known as a Revolving Sifter, to which the semi-liquid clay flows from the Blunger Mill. It performs a most important function. Its covering is a fine copper wire screen with 1,600 meshes to the square inch, through which the thin clay is strained as the Sifter revolves.

All sand and grit is thus removed, leaving a fine smooth body; it is the same as clay is treated for dinner ware. The next operation will be described here later.

A fine illustrated description of the full scheme will be sent you on request. Write for it.

We make "FLORISTS' RED POTS," all kinds, all sizes, any quantity, any time.

THE PETERS & REED POTTERY CO.
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See Page 741.

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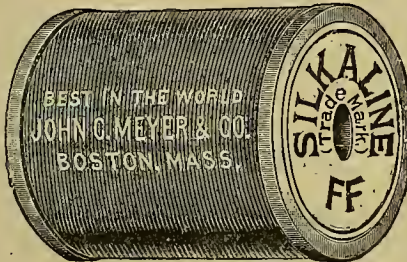


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Vol. XXXVIII.

CHICAGO AND NEW YORK, APRIL 20, 1912.

No. 1246

THE AMERICAN FLORIST

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BUDDING KNIFE FREE.

See Page 778.

SUGGESTIONS FOR PLANT GROWERS.

Hydrangeas.

There are very few plants that are generally grown that show more variance in their culture or in the returns to the grower than the hydrangeas, especially those that are grown for summer blooming. In looking over the stocks in the several markets one will often see the extremes of these plants grown in the same sized pot; one with eight to ten heads of bloom, short and stocky with fine foliage, an ornament on any porch or in any yard; and the other tall and long jointed, with two or three heads of bloom and five or six branches with no flowers and the foliage thin and small; the former bringing the grower \$2.00 or \$2.50 and the latter hardly averaging 75 cents. Yet these two plants have practically cost the grower the same amount of labor. These plants grow rapidly and must have plenty of room, an abundance of sun and lots of nourishment. It is useless to try to grow a good plant when they are crowded together. Many growers finish these plants by raising the pots over the benches of bedding plants that do not now require the full amount of sun, placing the hydrangeas about four feet apart in the center of the bench and standing the pot on a stand two feet above the other plants. This gives the hydrangeas a fine location. When the plants have set their buds the pots will probably be full of roots and a watering of liquid manure once or twice a week will greatly assist them in finishing up the flower and keep the foliage in good color. To grow good hydrangeas they must have plenty of food, room enough to grow shapely and for the air to circulate all around the plant and a light, well ventilated location. Under these conditions they are easily grown and are remunerative to the grower.

Freesias.

Although the freesias are a cheap bulb they should not be thrown away, for it takes but little attention to ripen them off after they are through blooming and as good bulbs can be procured as those that are purchased. The freesia is a native of southern Africa, so they are blooming at the natural season when flowered in mid-

winter in the north. But the bulbs must be allowed to mature their growth and then dried off gradually. The pots or boxes in which they are grown can then be placed in full sunlight and allowed to become very dry. A shelf near the glass makes an admirable place on which to place them after the growth has finished and no more watering is required, but they must not stand where any drip from the roof on a stormy day is liable to keep them moist. They can be shaken out in June and the bulbs sorted as it is comparatively easy to select the flowering bulbs and stored in a dry place until wanted for planting. For Christmas blooming the bulbs should be started early in July and a succession of plantings until September will give the grower flowers until the following spring.

Lilium Lancifolium.

Among the best flowers for greenhouse culture during the summer months is the Lilium lancifolium, of varieties rubrum, roseum album and Melpomene. While these varieties can all be grown outside yet under those conditions they rarely give perfect flowers and they also tarnish quickly in the direct rays of the sun or under heavy rains and to have flowers that can be used for decorative work or designs it is far better to grow them under glass. Those that are to bloom in July should have been started in March, but for August blooming they can be planted now. One of the easiest ways to grow these bulbs is to plant them in boxes from four to six inches deep, not too large, but of a size that one man can handle when filled with soil. Do not fill the boxes too full when planting the bulbs, for like all lilies they throw out roots at the surface, so it is well to leave room for top dressing later. Grow them in a cool, shady location and after the spikes begin to grow give them plenty of water and keep them tied erect to stakes. Constant fumigation will be necessary to keep the green fly in check. This is in no way forcing these bulbs and if properly dried off after blooming the bulbs may be grown year after year and a good crop of flowers obtained.

Celosia Plumosa.

The plants of *Celosia plumosa* or the ostrich plume celosia are of very easy culture and make very showy plants for either the garden or the greenhouse. They form pyramidal bushes and the yellow and red plumes which resemble ostrich feathers stand gracefully above the foliage. While they make showy plants for the garden, finer specimens are grown under glass and they make very showy plants in the late summer and fall. Seed sown in April will make fine plants for culture during the summer, but like all the celosias the young seedlings damp off easily. As soon as large enough they should be potted in good light soil in 2½-inch pots and later shifted to 4-inch and to grow large plants to 6-inch pots. They should be grown in a good, strong light, for if shaded the plants will become drawn and the dwarf compact plants are more desirable. *C. plumosa aurea*, the orange ostrich plume, and *C. plumosa coccinea*, the crimson ostrich plume, are the two best of the older varieties and *Pride of Castle Gould*, a new introduction of the last two years, is the best of all the ostrich plume varieties and can be obtained in many colors.

Gypsophila Paniculata.

There are few summer flowers that are of more use to the florist having a local trade than the gypsophilla, for it lightens up work beautifully and greatly aids in softening the appearance of the summer flowers, many of which have a coarse look in floral work, and in bouquets, sprays and basket work the sprays are particularly useful. The grower not possessing a good bed of this should procure stock at once and plant them in a good, sunny position, and after once becoming established they require no further attention than to keep the bed free from weeds and occasionally cultivated. Seed can be now sown and as soon as large enough transplanted in rows outside where they can remain until another spring, when they can be again transplanted to permanent quarters, but to have plants that will bloom this year it will be necessary to procure older stock. The double form of this plant is even more beautiful than the single for some purposes, and its lasting qualities make it more valuable for a cut flower than the older variety.

ORLANDO, FLA.—The Luther Floral Company is a new corporation which will absorb the business of J. F. Luther. The incorporators are John F. Luther, president; M. M. Stewart, secretary and treasurer, and Hugh C. Allen.

ST. PAUL, MINN.—The election of a city flower from the selected candidates is in progress, the marigold, sweet pea, aster, petunia and coreopsis having been nominated. City Gardener Finney is receiving the votes of the school children and citizens.

CHAMPAIGN, ILL.—John E. Yeats will on June 1 take charge of his greenhouses on Springfield avenue, which are now leased by Gustave Johnson, and will erect a new greenhouse which will have an area of 41,000 square feet, on Maple street.

ILION, N. Y.—Ward Gordon, the young florist, whose greenhouses were destroyed by fire a few months ago, has about completed his new greenhouses which are of concrete construction and more modern than the old structures which were burned.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Novel Floral Arrangements.

A clever corsage bouquet seen on the boardwalk parade Easter Sunday is somewhat an improvement on the round, colonial or old fashioned bouquet and very noticeable on the Easter Monday afternoon parade on Fifth avenue, New York. After making inquiries this proved to be the new "Mayfair" which introduces the pompadour colors in a bridesmaid's rose, a circle of violets, one of sweet peas, a few lilies of the valley and a many-looped bow of old blue velvet, and others of number eight double-faced Liberty ribbon, two-toned colors worked all around, taking the place of



Gypsophila Paniculata Flore Plena.

the paper bouquet holders, and I believe the credit is due Fleischman of New York.

Sand as a means of holding the flowers properly in a bowl has been superseded by the pretty Japanese green bronze or lead weights, made in turtle form or in rounds; into these the flower stems are thrust and the blooms upheld. The perforations enable the flowers to drink all the water they need and so keep fresh a longer time than in the former way. This effect is successfully being worked out in the lined baskets and plateaus; although the glass tubes are being used more, simply inserted in moss and then filled with water.

A pleasant conversation overheard to the effect regarding the spring luncheon or dinner table—flowers should have careful consideration as to color, for some of the spring flowers are so riotously gaudy that they cannot be used in profusion. Dark red tulips, for instance, should not appear on the dinner table, as they usually light up poorly, but a few brilliant tulips in a Delft bowl look charming at breakfast or luncheon. S. S.

Dennison's Booklets.

A booklet just issued by the Dennison Manufacturing Co. entitled "The Tale of the Tag" interestingly tells the story of the origin and growth of the tag and the many uses of that important piece of cardboard to the housewife, traveler and merchant. It is the first of a series of books which the corporation will publish and which they are distributing gratuitously to their customers or upon application to anyone interested enough to request a copy. The others to be issued are "The Adventure of Jim, John and Jane" in May, "Dennison's Christmas Book" in November, and "Dennison's Crepe Paper Almanac" in January, 1913.

Preparations for Memorial Day.

These are strenuous times for the greenhouse department of the modern cemeteries and the same applies to the florist who grows quantities of plants for sale and for planting out for Memorial day. Easter has passed and much room is made available and this should immediately be taken advantage of, for the cry from the plants is for room and still more room, and oftentimes a number of carnation plants have to be sacrificed to provide the space. The call at Memorial day, as at all other times, is for a clean, vigorous plant with plenty of bloom on it. It matters not whether it is a begonia, ageratum, geranium or any other flowering plant; the aim should be to provide as good a plant as possible, and this is the time to plan for such.

Geraniums being the leaders as bedding plants, we give them first place on our list. They should be now well established in 4-inch pots, and the work of shifting from 3-inch to this size should have been completed about March 15 to 20, for the plants need all of the time between those dates and the middle of May to be well grown with plenty of blooms on them. I think the two most important factors in growing a good geranium plant is: first, to treat them to a cool temperature, and second, be sparing about applying water to the roots. If treated in this way, nice, stocky plants can be had, but if grown warm and watered without judgment long, stalky plants will be the result. Be particular with the airing of the houses. Geraniums delight in a rise of 6° in the daytime, is best suited to them and as quickly as the plants show signs of being crowded a rise of six degrees in the daytime, is best suited to them and as quickly as the plants show signs of being crowded space should be given them to guard against their becoming drawn.

Arrangements should have been made to have the hot-beds ready to receive the alternantheras in the latter part of March. If the plants have been held over winter in flats or in a bench, a light sandy soil should be used in potting them. Some growers plant their plants out into the heated beds, but we prefer to pot them either into 2-inch or 2½-inch pots and plunge them in the beds; they are less liable to suffer after being transferred to the open ground.

Echeverias are the companions of the alternanthera and we cannot think of the one without the other. They should be given a place near the light in a cool house. One very important point to bear in mind is be sure there is sufficient space between the plants in the flats so that they do not become drawn.



EASTER DISPLAY AT BERTERMANN BROS. CO'S., INDIANAPOLIS, IND., APRIL 6, 1912.

A few of the larger sizes can be potted into 3½ or 4-inch pots—they come in handy for special purposes and some customers call for them.

The dwarf blue ageratum is a very useful plant for cemetery planting; fine, solid effects of this plant are very beautiful. At this time the stock should be in good growing condition if well flowered plants are expected.

Coleus are not used as much as in former years, but still large quantities are planted out every year. Keep putting cuttings into the sand, they root readily, but the growth is slow after potting until the weather gets somewhat warmer. A good coleus for immediate effect after planting should be stocky and branching in a 3-inch pot.

Large quantities of *Mad. Sallerol* geraniums are used, it being the best of the bordering plants to go with the geranium. The plants should have been shifted into 3-inch during the month of March and be making a good growth at this time.

Heliotropes, *salvias*, *lantanas*, *fuchsias*, *cuphea*, *impatiens* and *petunias* are all very important subjects to be considering. They are not grown in such large quantities as some other plants, but a good stock should be provided for, as they come mighty handy as fillers in and for special purposes.

The English ivy is used in enormous quantities for cemetery planting and is always short of demand. It is a good plan to run in all the cuttings that can be obtained in March and early April, so that a good stock of all sizes will be on hand. Any left unsold

can be planted out for larger plants another season.

One of the most important things to consider, when figuring out the Memorial day stocks, is to provide for a good variety of plants to enable one to place before his customers a number of combinations of plantings, they will appreciate it and it adds a great deal to the effect of the grounds. *Vernon begonias*, *pilea*, *sweet alyssum* and *lobelia*, must not be overlooked, there is a big demand for them.

The seedlings in flats such as *verbenas* and *pansies*, should be replanted and attended to right along.

Look well to the matter of providing a good supply of vines for vases. There are none better than well grown plants of English ivy and *vincas*. Also work over the *dracenas*, etc., for center plants for vases.

FLOWERING PLANTS.

Big advances have been made of late years in the demand for well-grown plants in bloom for Memorial day and of all of the plants that come under this heading, there is not any better than well-grown *Hydrangea hortensis*. They are mostly needed for immediate display at that time and they fill the bill as well as anything. They should now be in their flowering pots, growing in a good rich soil, as they are vigorous feeders. Give plenty of light and grow cool; water sparingly until the roots have a good hold of the soil, after which they require an abundance of water.

If well flowered, the rambler and other roses in pots might be termed the elite of the flowering plants for

this occasion, but when not in bloom, they are dead stock as far as sales are concerned. There is always a good call for any novelty in the way of flowering plants and anything out of the ordinary is bound to sell.

C. W. JOHNSON.

Evergreen Seedlings Free of Duty.

The following decision was made by the board of general appraisers March 20 upon the protest entered by W. K. Harris, Philadelphia, and others against assessing duty on evergreen seedlings as nursery or greenhouse stock:

The question here before the board arises over the importation of certain evergreens from Holland. A commission to take testimony abroad was issued, has been duly returned, and is part of the record in this case. The merchandise has been assessed 25 per cent ad valorem under paragraph 264, tariff act 1909, as nursery or greenhouse stock. It is claimed to be free of duty under paragraph 668 as evergreen seedlings.

Considerable confusion has been caused with reference to what testimony shall apply to specific protests, by reason of the fact that several hearings were had, and by further reason of the great variety of trees or shrubs involved. No question arises here as to whether the importations in question are evergreens within the meaning of the statute; the principal, in fact the only, questions is as to whether they are seedlings. This question has been before the board heretofore. Rolker's case, G. A. 5305 (T. D. 24305). It is contended on the part of the importers that any tree or shrub grown from seed

is a seedling, regardless of its age, size, or treatment subsequent to germination. This is the ordinary meaning given to the term "seedling," and of necessity must be the meaning given in the construction of this statute unless it is shown there is another meaning warranted by commercial usage; or, in other words, it must be shown that there is a commercial designation arising from the use of the term in the trade in connection with such commodi-

part of the government. The law of 1897 contained the same expression, "evergreen seedlings," in paragraph 252 of that law, and it became necessary under that law to distinguish and determine what an evergreen seedling was. The board passed upon the question in Rolker's case, G. A. 5305 (T. D. 24305). It was there held, in what is to our mind a well-reasoned case, that an evergreen seedling, as defined by the statute, is any plant, shrub, or tree

green seedlings and free of duty under paragraph 668.

The preparation of this case has made it very difficult to determine just which items should be termed evergreen seedlings. The testimony has not been properly arranged, tabulated, or carefully referred to the various items, which has entailed upon the board a great deal of work. In the effort to arrive at a just conclusion with reference to the testimony applicable proper application may not have been made in all instances. As we read the testimony, however, we are satisfied that the only plants in the above-named importations which are entitled to be termed evergreen seedlings under the rule above set forth are *Abies Nordmanniana*, *Abies Brachyphylla*, *Taxus Baccata*, and *Skimmia Japonica*. There may be some other items which under the rule above given would be evergreen seedlings, but the testimony is so vague and general we can find nothing upon which to base a determination that the particular plants included in these invoices were grown from seed. To illustrate, hollies with berries are sometimes grown from seed and sometimes propagated in the other ways mentioned, and the testimony fails to show that the hollies on these invoices were actually propagated from seed. What is true in this is also true as to some other varieties, the testimony not being confined specifically and pointedly to the importations in question.

The protests are sustained as to the four varieties above specified and overruled in all other respects.

TAMPA, FLA.—Prices ruled a little lower, says the Tampa Floral Co., but there was an increase of 33 per cent in the cash sales over the previous year. The supply in plants was equal to the demand and palms, ferns, geraniums and blooming plants sold well. Lilies, roses and carnations were all sold out early Saturday, but there was very little call for anything else. There is an increasing demand for ornamental plants and shrubbery by both old and new settlers for decorating the yards. The indications are that the long neglected surroundings of otherwise fine residences will receive proper attention.



EASTER LILIES AT ROSEMONT GARDENS, MONTGOMERY, ALA.

ties. Considerable testimony has been taken and it is conflicting.

On the part of the importers it is shown by men who have been engaged in the wholesale trade for a number of years, both in the United States and in Holland, that an evergreen seedling is an evergreen plant grown from the seed as distinguished from those propagated by budding, grafting, slipping, or layering. On the part of the government there is testimony from experienced men, who have been long in the business, to the effect that there is a commercial meaning given to the expression "evergreen seedling," limiting it to those plants, shrubs, or trees which are grown from seed, but further limiting it by the size, age, and treatment of the plant after germination. The witnesses for the government do not agree as to what an evergreen seedling is so that any definite or uniform rule can be adopted from their testimony which may govern the classification of this merchandise. According to some, it is determined by the age and size of the plant; others think it depends on the planting and transplanting subsequent to germination; and there is testimony which tends to show it depends upon the development of the root and the amount of space given to the plant after transplanting. Under this testimony a different rule would have to be adopted for different plants. What would cease to be a seedling at the age of two years in one variety would still be a seedling at a greater age in another, and variations in size would similarly lead to different conclusions. We think the law was framed with a view to having the term "evergreen seedling" cover the various varieties of evergreens grown from seeds. With that in view, it would be impossible to interpret the law under the testimony given on the

grown from the seed, and, being propagated from the seed, it always remains a seedling without regard to its size, age, or subsequent treatment. We think the government has failed to show that there exists a definite, uniform, and general commercial designation, as defined in the case of *Maddock v. Magone* (152 U. S., 368). Hence we conclude that the evergreens embraced within these importations which are shown to be propagated from the seed, as distinguished from the other methods of propagation referred to above, are ever-



MAIN CONSERVATORY AT ROSEMONT GARDENS, MONTGOMERY, ALA.

Four Grandchildren of W. B. Patterson, Proprietor, in the Aisle.



ROSE MADAME CHARLES RUSSELL AT WABAN ROSE CONSERVATORIES, NATICK, MASS.

THE ROSE.

Rose Mme. Charles Russell.

Frequent mention has been made in the trade press during the last winter of the new rose which originated at the Waban Rose Conservatories, Natick, Mass., and which we illustrate. As a compliment to the treasurer of the corporation and his wife it has been named in her honor, Madame Charles Russell, and it was indeed a delicate compliment to such a charming and distinguished lady and one who makes a lovely sponsor.

The writers who have mentioned this rose have given their readers but a faint idea of its beauties and its prolific characteristics. The habit, perfume and general qualities places it in a class by itself for it is a fancy rose in all respects, very prolific in blooming and is good all the year round. We have seen it many times during the last winter and each time it has so impressed us that we predict, though unwillingly, that it will eventually supersede the American Beauty. The color is described by one of Boston's prominent artists as carmine pink, it is deep when the flower first opens and gradually shades to a pleasing pink when fully developed. The growth is very strong, and it throws long, strong shoots from the base of the plant, but these stems never produce a "bull-head" even in the coldest

weather. The shoots are something like those of the American Beauty, three and four feet long, but unlike that variety there is always a flower at the top. The foliage is very glossy which will make it a great favorite. Alexander Montgomery, the manager of the Waban Conservatories, thinks that perhaps many would prefer foliage like the American Beauty but it is difficult to have every quality that would please everybody in one variety. At these greenhouses the plants are grown on their own roots and grafted and there is very little difference in the growth by either method, and also in solid beds and in benches, the growth in the beds is stronger but the flowers produced in both cases are about the same.

Mme. Charles Russell has been produced by the Waban Conservatories and it has taken 12 years to bring it to the perfection which has been attained, and it is the result of four separate crosses with parentage of good sturdy stock. It will replace the American Beauty at these houses, that variety being discarded, which plainly indicates in what high esteem it is held by these renowned growers. It will be disseminated in 1913 and, as we said before, we believe that it will supersede the American Beauty, for it will be a case of "the survival of the fittest," and the march of progress, and last of all, the best for the grower's pocketbook, that is, dollars and

cents. We would advise every grower to keep in touch with this rose and see it growing if possible, for that is the best way to become acquainted with its good qualities, far better than any description penned by a correspondent. MAC.

Roses.

Paper read by Wallace R. Pierson before the Baltimore Gardeners' and Florists' Club, April 8, 1912.

I am reminded of the fact that I have crossed the Mason and Dixon line in coming to Baltimore to speak to you this evening, and that fact has a great deal of significance to me. In the north an invitation may be one prompted by courtesy pure and simple, but in the south an invitation is extended because of inherent hospitality and I feel that you really wanted to have me accept your hospitality and tell you a few of the points which I believe may aid some in the upbuilding of business, and which will tend to improve conditions in the flower world in which our lives are being spent. We are reminded that the business is not all flowers, for one subject tonight is roses and they all have thorns, and with the hope of relieving the rose-growing industry of some of its thorns I will attempt to give you in brief an outline of a path that leads to success in the rose-growing business.

I realize the subject is broad, for the rose-growing industry extends not from sea to sea but encircles the globe. We

cannot all become familiar with conditions in Europe nor see the wonders of the Pacific Coast when the roses are in bloom, but we read of the cities of the western coast buying roses for street planting by the twenty-five thousand lots and we know that means the making of hundreds of thousands rose lovers, and these cities are famous more on account of their wonderful display of roses than for their great industrial establishments which are the backbone of their prosperity. We have not the climate here in the east which will permit such extensive operations but we have, nevertheless, wonderful opportunities which, if taken advantage of, would accomplish much that is to be desired and allowing for unfavorable climatic conditions, if we had some of the western spirit which is behind those wonderful displays on the western coast we might be at least close competitors and at least receive honorable mention in the awards, and a vote of thanks—although perhaps unspoken—from every man, woman or child who is fortunate enough to behold a well-kept rose garden in its prime.

We have a few such samples in our state of which Elizabeth park in Hartford is a striking example. Ramblers, hybrid perpetuals, hybrid teas and the polyantha type gathered together in a rose garden some acres in extent, and those who have never seen this park in the middle of June, I can only say that you have one of the good things of life in store for you, and if you are fortunate enough to visit it, the memory will linger long. And the result of such a rose garden is the education of the public. I have heard a rumor that the public is not interested except in a few flowers to make a wedding scene like an event of joy and a few flowers to make a burial seem proper, but don't you believe it. But I do ask you to believe that the public needs educating to discriminate between roses in other ways than by colors and that the public wants and needs as much variety in the flowers it buys as in the neckties it wears or the food it eats. I have seen the Elizabeth park rose garden crowded so that it was a case of follow the crowd to get through and these people were using the note book and pencil to such an extent that they moved slowly indeed. That, gentlemen, is educating the public in the best possible manner and the results come back to us all who are growers of plants and flowers, for a discriminating flower buyer is the best possible customer and often becomes so much of a crank on the subject as to be able to give us commercial men many a lesson in roses.

Men who plant seeds and who work the soil are hopeful men. Their enthusiasm is, somewhat in keeping with the man who sets a hen and counts his chickens before they are hatched. This, I believe, is a factor in the growth of the flower industry in this country and in the world. There is a feeling of satisfaction which comes with the construction of a new house and the planting of a crop, and that feeling is general with the florists of the country. They are building, and in this year, in spite of the fact that business as a whole has been unsettled and in many branches of industry extremely dull. As a rule a greenhouse man counts his profits by counting his glass area. A little more glass than last year is the general report so far as profit and loss statements go. I believe there are less failures among greenhouse men than in any

other line of business in spite of the fact that practically everything which is handled is of a perishable nature and what does that prove? First, that they are honest, for honesty is of the soil and they are toilers who live from the products of the soil, and second, that they are hopeful and not easily discouraged, and last and more than all, that the public wants and is willing to buy what has been produced by the sweat from the brows of honest men.

Rose growing and the rose business is at least sixty per cent of the total flower business of the country, which fact places roses as a matter of first importance and consideration and I might venture to say that at least two-thirds of this is the product of roses grown under glass. Now let us for a moment consider the proper conditions which give us the best roses under glass. I want to name a few conditions which I consider ideal and first



Wallace R. Pierson.

of all I should place soil. A heavy turf from lowlands that have been saving up the silt and richness from the hillsides for centuries, one that has an abundance of root fibre in it and one that has not been composted so long that it has lost that fibre which gives it life. It should have a clay body, for roses delight in a clay soil, but it should be porous enough to admit water and air freely. Air in soil is essential. The largest root is the root in the ashes on which plants in pots have been standing for some time and air which encourages root action is the only plausible explanation of this fact which I have ever heard. Cow manure for roses is the best fertilizer which we know of and in many soils a bone tankage running from four to five per cent nitrogen and not necessarily high in phosphoric acid will give strength and vitality to the plants. Good stock to start with is needed and the best is none too good. Consider that roses are often kept in the houses for two or three years and the proportionate cost of good above poor is too trifling to mention.

Steam heat is essential to roses, and although I know some growers make a fair success of roses with hot water alone, I have never seen roses of the best quality produced with hot water

heat exclusively. Hot water and steam in conjunction we consider ideal. If one system breaks we have the other to keep out frost. If in the cold of winter the warm water pipe lays in the house the moderate heat is beneficial but we do not want this heat in the warmer days in spring and fall when a steam pipe about the houses is needed at night, and as the steam pipes cool quickly we have no heat on during the day when it is not wanted. A circulation of air at night by means of open ventilation with a steam pipe on which sulphur has been placed is the means of keeping off mildew and black spot which in summer are so apt to affect roses. From three to five in the morning is the danger time and the air at night is just as essential as in the day, and the morning that finds the white dew settled on the foliage at daylight is the morning trouble starts. It is all due to dead, stagnant air and poor ventilation, and which, more air, a little sulphur, and a steam pipe or two, will correct.

I have stated on other occasions that a good rose house is a house which will grow roses well and this is true but there are different kinds of roses just as there are different styles of houses. I have seen good summer roses in very poor houses running north and south, but these conditions are the opposite of the ideal. My personal opinion is that an even span wide house is the best house for roses and that qualification, even span, is put in because I believe the even span house is more properly ventilated than the two-thirds span or uneven span house and so far as shade goes, any good modern built iron construction house is light enough in all parts for the proper growing conditions. Although the more light the better, provided we do not go to the extreme of laying glass the twenty-four inch way to get it.

Drainage is an important factor which is worthy of consideration. With solid beds plain land tile covered with from ten to eighteen inches of coarse graded or coal ashes makes drainage that will give satisfaction and in building benches the builder should never forget that wet lumber swells and should allow for the swelling in building and leave the cracks wide. We grow practically all our roses in solid beds but for growing young stock and certain varieties of roses we prefer the bench.

Given then, good soil—good water—steam heat or steam and hot water—good houses—good plants, the question is, how to produce the goods. A few general pointers may be helpful. Build up a plant first. Get something to work on. Don't flower the first bottom breaks and sacrifice your future for the few pennies they will bring in a glut market in hot weather. Get back to good, sound eyes and let them grow. Root system will be in proportion to top growth and build the top and you'll have the roots. Water freely, and especially is this true if your roses are grafted. Wild roses grow best in the swamps and your manetti root is a wild root. Just so long as water can get away freely you will seldom be able to overwater grafted roses and that time comes only when you are cutting a heavy crop of flowers and thus checking the root action. Don't let spiders sap the life from the foliage, as it leaves them without lungs, for the leaves are the lungs, and some time when you see a sickly bunch of spider eaten plants think of a tuberculosis camp and clean their lungs out with numerous good applications of the hose

and let them get a breath again and go ahead. Don't mulch heavy, not under any circumstances. Your root system will be buried and killed for lack of air as your feeders are near the top and until they have made new feeders there can be little growth. Don't cut back into the hard wood unless there is big money in sight. Your next crop will be longer breaking from the hard wood and you are losing valuable time. And most important of all for success in growing roses for the open market is, don't grow what everyone else grows just because they are growing it.

Increased glass area means more roses grown. Suppose, for example, all the new ranges were planted with Killarney, White Killarney and Richmond. Figure out the result for yourselves. And if you have any reason to be dissatisfied with this year's returns from your crop just figure what it will be in the future with more of the same product in the market. The way to avoid glut markets is to fill the market with a variety of roses and not with the same identical thing. Give your retailer a chance to show what he can do with something beside Killarney. That seems to me to be the solution of the problem. Education of the public to be discriminating flower buyers through our parks and flower shows, local advertising by the retailer, an assortment of roses in sufficient quantity to insure a steady supply, and in all these things the retailer, wholesaler and grower must work in harmony for the good of the trade.

Keep roses in your stores twelve months of the year. My Maryland, Double White Killarney, Mrs. Aaron Ward, Mrs. Taft, Radiance, and roses of the type of Christy Miller and Princeton will make a good combination from March to December. Killarney Queen, Killarney, Double Pink Killarney, White Killarney, Richmond, Lady Hillingdon, Sunburst, in addition to those previously mentioned will increase the variety and perhaps be at the best when the former are not. I regret that this list of varieties is not longer, but every year adds some that are worth growing and there is money in any when properly grown and properly handled.

The question of roses is broad and it takes in pot roses, which subject is a study in itself and on which I wish to speak but briefly. Baby Ramblers, Mrs. Cutbush, Dorothy Perkins, Flower of Fairfield, Tausendschon and others make a most interesting display and medium sized, well grown plants are as a rule very salable. The work of M. H. Walsh of Woods Hole, Mass., in bringing climbing roses into the high place they now hold was well worthy of the American Rose Society's gold medal. He is one of the men we honor, and you have in Baltimore one that deserves and is given the admiration and respect of all who know roses. You men of Baltimore are deservedly proud of John Cook and I feel grateful to your club to think that I have been honored by an invitation to speak on the subject of roses before a club of which he is a member.

NEWBURGH, N. Y.—Max Pushman was found dead by his wife in front of the boiler of his greenhouse March 23, having been asphyxiated by coal gas from the boiler.

NEWCASTLE, IND.—Otto L. Benthey has embarked in business for himself, having severed in connection with the Benthey-Coatsworth Co., whose greenhouses he has managed for the last twelve years.

Cause of Iron Gutters Bursting.

Paper read by H. S. Garland before the Tri-City Florists' Club, Davenport, Ia., April 11, 1912.

A recent issue of a horticultural paper in reporting the meeting of this society gave the topics which had been discussed, among which was "The Cause of the Bursting of Iron Gutters." Grasping the opportunity I immediately requested that I be granted the privilege of discussing the subject with you and to also make several demonstrations to prove what I have wished to say. Through the kindness of your secretary my petition was granted.

It gives me great pleasure therefore to be with you and meet here to discuss with you things which are to our mutual benefit. I heartily believe that the florist and the supply man should get together on a common plane and work out things which will benefit both. Before I begin in detail to enumerate to you step by step the points



H. S. Garland.

to be brought out in our discussion tonight, I wish to say that I have brought with me two Garland gutters, with which I will make my demonstrations. I know that the most of the florists have the "Show me" nature or the one complimentary thereto, "I am from Missouri." Therefore, I dared not come to you empty handed. One of these gutters is like the ones which many of you now have. The other is known as a semi-malleable gutter. All Garland gutters are now being put through a special process.

Now let us start from the bottom up. The first thing to be considered is the quality of the iron of which cast iron gutters should be made. Our twenty years' experience in the manufacture of iron gutters, for twelve years of which we maintained our own foundry, has taught us the kind of iron to use. You may know that there are four important component parts of iron: silicon, manganese, phosphorus and sulphur. Their respective amounts in percentage can only be determined by analysis. Each car of iron carries its analysis, by which we must be guided in mixing our iron. In order that you may understand why we must pay strict attention to the mixing of our iron, I will tell you what each component part represents in the

quality of the iron. First, the silicon in iron acts as a softener when not used in too large quantities. Manganese adds strength and toughness when not used in excess. Phosphorus gives the iron fluidity in the molten state but, on the other hand, makes a weak iron. Sulphur, of which we use but very little, makes iron hard. You may ask why we do not eliminate the sulphur entirely. I must reply that there could be no iron without this component part. All these qualities must be thoroughly taken into consideration and the percentage for mixing must be calculated. Our formulas for mixing have also been practically arrived at by test analysis of the iron often made into castings.

Different kinds of castings require iron of different mixtures. Stove plate castings being very light and smooth require iron high in silicon and phosphorus. The silicon is needed to make an iron of close texture, while in order that the iron flow in so thin a casting it requires large amounts of phosphorus. Now if the percentage of silicon and phosphorus is high the percentage of the other two component parts which have their important function must be low. An ordinary machine casting being heavy, the components required would be manganese for strength and silicon for softness and closeness of texture. The percentage of these two component parts being high gives an iron which does not run readily on the account of the lack of phosphorus. Neither of the mixtures mentioned are adapted to cast iron gutters. Inasmuch as the iron of different qualities does not shrink alike we are under the necessity of adhering to one analysis. Gutters are made in specific lengths and must not vary. Variation in shrinkage is controlled by the use of small quantities of scrap iron. I have heard people say "O, they use scrap iron in their gutter." It may be true in certain makes of gutter, but when I tell you that it costs us more for scrap iron per ton delivered you will conclude that we use as little as possible. It is not a paying proposition to use all scrap. I have brought before you the first important factor in the manufacture of iron gutters.

Now let us proceed another step. When moulding a gutter the upper side is laid down. The iron is poured into the moulds through openings termed gates which are situated along the center line of the gutter, each gate being set crosswise of the gutter. It is impossible to make these gates large enough to reach across the entire width of the gutter. The iron must then pass through the mould until it forms the drip conductor on the outermost edge of the gutter. It stands to reason then that the iron on the outside edge of the gutter cools quicker and will be entirely contracted while the center still remains red. Thus the iron in the center is not allowed to contract and puts into the casting a strain which is hard to estimate. The strain in some gutters has been enough to break them before erection. You will note that the greatest amount of breakage is in cold weather. This is due to the fact that the drip conductor which you will remember cooled first in the moulds is within the greenhouse subject to heat, and has a tendency to expand, while the portion of the gutter exposed to the weather being subject to a lower temperature tends to either remain constant or to contract. Thus the two portions of the gutter acting in opposition is the cause of its breaking.

Only experience and experiments along the line of eliminating the strain in the gutter has given us necessary information to make a gutter that would not break and be more durable. The strain which we have been talking about is eliminated by putting the gutter through an annealing process. The gutter is brought to an even red heat, then taken from the furnace and laid upon a table for the purpose of cooling and straightening. Thus in cooling all shrinkage is equally distributed throughout the casting. From the cooling and straightening table the gutter is put in stock to await an order, when it is drilled or marked as the case may be. We found that a great deal of breakage happened in transit, but we have taken extra precautions in loading the gutters into cars, and we guarantee safe delivery of our material in good order.

I trust, gentlemen, that my demonstrations with the gutters will bear me out in all that I have had the pleasure of telling you. If any one has a question which he would like to ask further I shall be pleased to answer same if in my power to do so.

(The sample gutters were broken at the close of the meeting and proved that the theory of the demonstrator was nearly correct.)

Diseased Geraniums.

ED. AMERICAN FLORIST:—

I forward you leaves of geraniums and vincas that are diseased. They grew nicely until a few weeks ago when the disease first attacked them, but it is spreading very fast. It appears mostly on those that were reported in January. Can you inform me what it is and advise a remedy?

Illinois. E. M.

From an examination of leaves only it is impossible to determine the cause of the trouble. The presence of a parasitic organism cannot be determined upon either lot of material, and it must be that the plants are suffering from some unfavorable cultural conditions. G.

[If "E. M." will refer to the answer to "J. Y." in THE AMERICAN FLORIST, issue of April 13, page 697, he may possibly find the cause of the discoloring of the foliage of his geraniums.—Ed.]

Asters Troubled With Bugs.

ED. AMERICAN FLORIST:—

Last year we were greatly troubled with the black aster bug. Is there any remedy that can be applied to keep them away or exterminate them? O. S.

The only remedy we know of is, to poison them with Paris green or arsenate of lead. The former at the rate of one pound to 100 gallons of water, and the latter four pounds to 100 gallons. This should be applied at the first indication of their presence. It is often necessary to repeat the operation in a few days if they have not been entirely exterminated. They are more abundant some years than others, so we conclude climatic conditions somewhat govern their existence. ELMER D. SMITH.

A Freak Tulip.

The tulip which we illustrate was a freak bearing four flowers which bloomed in a lot grown by F. P. Dilger, Milwaukee, Wis., and is very interesting. The flowers were scarlet in color and the plant was very showy, and Mr. Dilger states that he has never seen or heard of a similar circumstance.

THE EASTER TRADE

Good Reports Still Come.

That the Easter trade this year exceeded that of any previous year is the almost unanimous testimony of the several correspondents in addition to those who reported last week who have kindly informed us of the conditions in their several sections. A very satisfactory report is that the stock was of such fine quality, many commenting upon this, the complaints of poor being almost entirely absent. This is certainly a very gratifying feature at a time when the demand is so large for there is no better advertisement for any business than the forwarding of satisfactory goods to the purchaser and in but few cases are advances in the



A Freak Tulip.

Grown by F. P. Dilger, Milwaukee, Wis.

prices noted. These two features cannot but greatly assist the trade to hold the important place it has assumed in the different communities.

PROVIDENCE, R. I.—Business was very good all around and the weather was perfect for the Easter trade, reports Matthew McNair. Carnations and roses of all colors were available, but prices advanced, and there was a persistent effort to maintain an artificial higher price on roses at wholesale. Violets were scarce and of only fair quality, but they had a large call. Sweet peas were grand and sold second to violets, closely followed by lily of the valley. Cut tulips and bulb stock was, as usual, only in fair demand. Plants sold well, azaleas being the leaders in the higher priced stock, and fine Dutch hyacinths in pots had the call. There was an immense quantity of bulbous stock in pots sold by

other stores than florists at up-hill and down-dale prices, and the grower is to blame for not knowing his business in more ways than one.

FREDERICTON, N. B.—Easter this year was the most satisfactory that we ever had, writes John Bebbington & Son, and the business was larger by 75 per cent. Easter is the time that the people want to buy and that is the time the florist wants to sell. We had a fine stock of both plants and flowers and beside our own product bought flowers in Ontario and Boston, and we were able to fully supply our trade, shipping to most of the provincial towns. Lilies and bulbous plants were all sold, but spiræas were slow. Roses, carnations, violets, lily of the valley, and lilies for the churches were all in good demand. The weather was not of the best up to Sunday, but that day was beautiful and we were kept busy all day long, and besides we were called upon to arrange a number of funeral designs. The business outlook is very bright.

LEXINGTON, KY.—The weather during Easter was ideal, being just the kind that causes the public to desire flowers and purchase them, and the business was without doubt the best that the florists of this section ever had, the increase over last year, from general reports, being about 20 per cent, writes John A. Keller. There were plenty of pot lilies and hydrangeas, but roses and bulbous stock were somewhat short of the demand. There was no call for palms, but lilies, azaleas, roses, spiræas and bulbous plants sold equally well. The stock of cut flowers was plentiful with the exception of roses and violets, which were scarce. Prices on all stock were about the same as last year and all cut flowers sold well, especially roses, sweet peas, lily of the valley and violets.

WHEELING, W. VA.—"The weather was ideal," writes George F. Smith, "and the people had the money. Billy Sunday, the evangelist, had cleaned up the town and the converts took delight in filling the churches with flowers. Whether this was the cause of the large sale of plants and flowers or not it is difficult to say, but the trade was at least 50 per cent more than that of any previous year, and we suppose we will have to give him credit." Everything in both plants and cut flowers was in demand and every plant in bloom was salable and more could have been sold. The supply of cut flowers was large and with the exception of narcissus equal to the demand. Prices were at least 10 per cent better than those of the previous year.

NEW YORK.—The weather conditions were much in favor of the large business transacted, which was at least 20 per cent greater than last year, it being all that could be desired and one of the best Easters the market has ever seen. There was a plentiful supply of both plants and flowers and prices were no better than the previous year. All the plants sold well with the exception of some large plants with the retail stores. Lilies, lily of the valley, dark colored orchids and roses and colored carnations of best quality were all in good demand. White roses and carnations, stocks, light colored orchids and adiantum were the least salable. The flowers that were left in the wholesaler's hands were the white ones and those of poorer quality.—Y.

MISSOULA, MONT.—This was our first year here, but we sold out clean of Easter stock, writes the R. & S. Flower Store. The flower buyers of the west are the kind that do not mind paying a good price if they get what they want, and the trade in the three establishments was very good at East-

er, our new store being rushed with orders. There was an adequate supply of plants and flowers, with the exception of good roses, which were scarce, and the plants of Baby Ramblers sold out early. In pot plants, narcissus, tulips, lily of the valley, lilies and spiræas were the best sellers, and in cut flowers, carnations, roses and violets, but violets were exceedingly scarce.

SPRINGFIELD, MO.—The Easter business was about the same as last year, says W. A. Chalfant, with prices about as usual. The stock of lilies was plentiful enough to meet the call, but there were not enough tulips and hyacinths. There was also an abundant supply of cut flowers with the exception of violets. Everything in the blooming plants that was in good condition sold well. Carnations were perhaps the best selling cut flowers, with lilies and roses about equal. The Chalfant Conservatory has opened a downtown store in the Colonial hotel building under the management of F. W. Rauch. The opening was a great success, hundreds of visitors calling that day.

PETERSBURG, PA.—The Easter business was very much better than last year, the increase being at least 25 per cent, reports Wm. S. Young. There were more florists in the business here and more flowers on the market, and this seemed to create a larger demand. Prices averaged a little better and there was a good supply of plants but there were not enough cut flowers to fill the requests. Azaleas were the best selling plants and the least call was for hyacinths and lilies. The demand was largest for violets, sweet peas and lily of the valley in cut flowers, while for roses it was the least.

BOSTON, MASS.—The weather was very favorable, which alone considerably aided the sale of the stock and the business was larger than last year by 10 to 15 per cent. Prices were better on almost all stock and the supply of cut flowers was plentiful enough to meet the demand. Pink roses, American Beauties, lily of the valley, orchids and yellow marguerites all had a good sale, but it was difficult to dispose of all second class stock. Lilies and azaleas were the plants most in demand, the others selling slowly. The lilies were many of them short and poor, the plants being miserable imitations of lilies of some years.—MAC.

LITTLE ROCK, ARK.—The trade was no larger this year at Easter, writes Tipton & Hurst, for the rain poured all day Saturday, which no doubt damaged the cut flower trade at least 50 per cent. The supply of plants was equal to the demand and there was a surplus of cut flowers. Lilies were the best selling plants with made up plant baskets and spiræas next. In cut flowers roses sold the best with carnations next. The lilies that were shipped in were very poor and must have been in cold storage for two weeks. Some carnations were good and some were asleep when the box was opened.

ABERDEEN, S. D.—The city trade was larger than last year and the cash sales considerably more than ever before, states Richard Strohmeier, the business being greater by about 20 per cent. We had beautiful, warm weather every day, which made the delivery much easier. There was a good supply of plants and flowers which was about equal to the call, prices being about the same. The plants of lilies, roses, hydrangeas and azaleas sold in about that order and the larger plants were most in demand. Everything in cut flowers sold well.

STOUCES CITY, IA.—All the stock was better this year than it was last, states Rocklin & Lehman, the lilies being especially fine, and the increase in the

Easter trade was 25 per cent over that of last year. The prices were far better and the supply of both plants and cut flowers was equal to the demand. Lilies and hyacinths were the plants most called for azaleas being the least salable. Carnations and roses were the most and orchids, lily of the valley and bulbous flowers the least in demand in cut flowers.

FALL RIVER, MASS.—The Easter trade this year was grand and was about 35 per cent greater than last year, is the report of Chatterton Warburton. The demand for flowering plants grows larger every year and we had a good supply, the only shortage being lilies, but we sold every plant, bulbous stock being in good demand. All the cut flowers were also sold. There was a large call for violets, but the supply of everything else was equal to the demand. Prices were about the same as last year.

CINCINNATI, O.—The total sales were greater this year than the previous Easter, but the percentage cannot be told as yet. The supply of plants was adequate and that of cut flowers more than enough of some kinds. The prices at retail were a little better, but at wholesale about the same. Lilies, spiræas, azaleas and hydrangeas were the plants in greatest demand, and bulbous stock sold the best in cut flowers, while carnations were least in demand.—H.

DALLAS, TEX.—“Our total sales were about 50 per cent more than last season,” writes the Texas Seed & Floral Co., “and the prices were good.” The only pot plants that we handled were hydrangeas and lilies and we were completely sold out of the latter at 5 o'clock p. m. Saturday, having sold at retail 2,000 pots in two days at 25 cents per bloom. We had a large supply of cut flowers which were all sold.

BATTLE CREEK, MICH.—Greater by 15 per cent is the report of S. W. Coggan on the Easter trade. There was an abundant supply and prices were about the same as last year. Everything in plants was sold and carnations, violets and roses were in good demand, spring flowers not having so good a call. This city has a population of 30,000 and there are five other florists, but we disposed of 2,000 potted plants.

ATCHISON, KANS.—The Groves Greenhouses report an increased sale at Easter over the year previous, it being about 10 per cent larger. The supply of both plants and cut flowers was equal to the demand, with prices about the same. Lilies, marguerites and begonias were the plants and roses and carnations the cut flowers most in demand, and there was little call for snapdragon.

BLOOMINGTON, ILL.—The Easter trade was about the same as last year, with prices averaging a little better, says A. Washburn & Sons, and there was a plentiful supply to meet the demand. Lilies were the leaders in plants and roses and carnations in cut flowers, bulb stock being the least in demand. Owing to the unusually late spring, trade in seeds and shrubbery is behind a year ago.

TOPEKA, KANS.—Ideal weather with plenty of plants which all sold well and also plenty of flowers, resulted in a fine Easter trade, which will show an increase of 25 per cent, reports J. M. Kessler, and prices were about the same. We fortunately had a large crop of carnations, and with a large amount of funeral work the day after Easter we did everything we had.

NORWALK, CONN.—The Easter trade was somewhat better than last year, states R. G. Hanaford. Prices were about as usual, some cut flowers being somewhat lower. The supply of both plants and cut flowers was adequate to meet the demand. Azaleas

were the best selling plants, and in cut flowers there was a great demand for jonquils and daffodils.

S. BERKELEY, CALIF.—The Kensington Florist reports a 10 per cent increase in the Easter trade over the previous year. Prices were not quite so good and there was a surplus of both plants and flowers. Flowering plants and spring flowers were the best sellers, while callas, lilies, carnations and ferns were the least salable.

OGDEN, UTAH.—The Easter trade was much larger than last year, says F. J. Hendershot & Son, with prices about the same and a plentiful supply of plants and flowers. In pot plants lilies were the most in demand with callas the least, while callas and lilies were the leaders in cut flowers and roses the poorest sellers.

POMONA, CALIF.—The sales at Easter this year, says O. Roessner, were about 15 per cent larger than in 1911. Prices were about the same and the supply of plants and flowers was equal to the demand. Flowering plants and ferns were the most in demand and carnations were the most popular cut flowers.

BAR HARBOR, ME.—The sales were about double what they were at Easter last year, states the Mt. Desert Nurseries. Prices were the same and there was a plentiful supply of cut flowers and plants. Lilies and small ferns in plants and carnations in cut flowers were most in demand.

ENID, OKLA.—The business at Easter will show a decrease of about 25 per cent, writes J. R. Detwiler. Prices were a little better and there was a plentiful supply to meet the demand. The cut flowers generally called for were roses and carnations.

GREELEY, COLO.—The Gardner Floral Co. report an increase of 35 per cent in the Easter trade of this year over the year previous. Prices were the same as last year and the supply of plants and cut flowers was plentiful enough to meet the demand.

NEW YORK.—Charles J. Wright of Ottawa, Ont., Can., was married in this city to Miss E. Louise Wright of the same city, while on an excursion to spend the Easter holidays.
EASTER

OBITUARY.

John F. Larson.

John F. Larson, a florist of Rock Island, Ill., was found dead beside a gas range on the morning of April 9. Mr. Larson was born in Sweden December 12, 1856. He came to America in 1890, settling in Rock Island, and for 18 years was employed as florist at the Rock Island arsenal. Upon leaving the government service he established a greenhouse of his own which he conducted at the time of his death. He is survived by a widow, one son and four daughters.

Alexander McCullough.

Alexander McCullough, a well known florist of Brookline, Mass., died at his home on Aspinwall avenue April 10, aged 65 years, after an illness that had lasted for a long time. He had resided in Brookline many years, and had successfully conducted a greenhouse and retail florist establishment for more than 20 years. He is survived by a wife and five children.

August F. Fleming.

August F. Fleming, a florist of Auburn, Ind., died at his home in that place March 28, aged 80 years. He was born in Germany and located in Kendallville, Ind., where he conducted a florist business, and 20 years ago moved to Auburn where he established himself in the same line.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

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When sending us change of address always send he old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 64 PAGES WITH COVER

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MOTHERS' DAY is the second Sunday in May.

THAT evergreen seedling decision, to which attention was called in our last issue, page 702, is given in full elsewhere in this issue.

THERE are many vacancies in the shrubbery and perennial plantations, due to the hard winter, and this is the right time to note the plants not reliably hardy.

THE protest entered by H. Bayersdorfer & Co. of Philadelphia in regard to the assessment of duty on willow baskets has been sustained by the board of general appraisers.

WHEN the spring opens late, it often becomes warm with a rush and shrubbery leaves out quickly, granting but a short time for transplanting. Every preparation possible should be taken to rush the work as soon as the frost is out of the ground.

Society of American Florists.

TRADE EXHIBITION AT CHICAGO.

Wertheimer Bros., New York importers of ribbons, have reserved 250 square feet of space and Kroeschell Bros. Co., Chicago, have taken 300 square feet.

The ground plan, diagram and rules governing the trade exhibition will be sent out at an early date. Many inquiries have been received at this office regarding space which show the great interest that is being taken in the Chicago convention, which undoubtedly will be a record breaker.

JOHN YOUNG, Sec'y.

Third National Flower Show.

Chairman Charles H. Totty of the National Flower Show committee reports that Samuel Thorn of New York has donated \$250 and Robert D. Foote of Morristown, N. J., \$100 for the use of the committee.

The following special prizes are also announced:

By Henry & Lee, 97 Water street, New York—For group of lilies, Class 70, first prize \$20.00.

By Knight & Struck Co., 1 Madison avenue, New York—For the best display of hard-wooded plants, consisting of acacias, bononias, ericas, etc., excluding rhododendrons, azaleas and camellias. Not less than 25 varieties. Competition open to private growers only; first prize, \$50.00; second prize, \$25.00.

By the International Exposition Company, New York—A grand challenge cup to the society whose members win the largest number of first prizes.

The Hill-Totty prize—\$100.00 for a vase of Sunburst roses; details of competition for this prize will be announced in the American Rose Society's schedule.

American Rose Society.

THE ROSE TEST GARDEN.

The executive committee of the American Rose Society and representative growers held a meeting in New York specially called to confer with the representatives of the department of parks of the city of Hartford, Conn., relative to the establishment of a test rose garden. The following resolution was passed:

Resolved: That the offer of the Department of Parks of the City of Hartford, Conn., to establish a rose garden for testing new roses as the official testing ground of the American Rose Society be accepted.

Alex. Cumming, head gardener, stated that the department of parks proposes to take land and make a garden, to place roses of all varieties therein for development. Any and all roses sent to the garden will be guarded with the best of care.

The following rules were discussed and adopted:

1. Roses sent for testing should have five plants of each variety of the bedding types; two plants each of the climbing and pillar types.

2. Plants can be shipped dormant or growing in pots.

3. Two-year-old plants are most desirable.

4. A record for filing should accompany each variety stating name or number of variety, classification, parentage, age of plant, and whether worked on stock or on own roots.

5. Test varieties will remain in the garden for a period covering two grow-

ing seasons, when they can be judged the second season if necessary. The after disposal of the plants will be optional between the exhibitor and the authorities, the exhibits returned or given a permanent place in the garden as far as possible.

6. Each variety will be labeled by number until judged, when a painted label stating name or number of variety, the introducer, and award will be posted permanently.

7. Exhibits will be inspected by judges appointed by the American Rose Society at a designated time, and awards will be officially given according to merit. The park authorities will take due precaution to protect exhibits from vandalism and dissemination, and give the garden every cultural attention possible.

8. A new rose shall be considered one which has not been disseminated for a longer period than three years.

The official scale of points for judging out door roses is as follows:

Floriferousness	20
Vigor	20
Color	15
Size	15
Form	10
Substance	10
Fragrance	10
.....	— 100

MEDALS AND CERTIFICATES.

Gold medal for the best new rose not yet disseminated, whether of domestic or foreign origin. Exhibits to be judged by the official scale of the American Rose Society, and no gold medal to be awarded to any rose scoring less than 95 points.

Silver medal is offered at the same time and under the same conditions for a novelty scoring not less than 85 points.

A certificate of merit is awarded to all novelties scoring 80 points.

It is further ordered that the complete scores of all the entries in the competition be filed with the secretary of the American Rose Society before the award of any medal is confirmed.

The executive committee of the American Rose Society reserves to itself the right of selection of the judges who shall pass upon the exhibits in the competition for these medals.

BENJ. HAMMOND, Sec'y.

Burbank Sells Rights to Creations

Luther Burbank, the wizard of horticulture, is reported to have sold all his fruit, flower and plant creations, present and future, to Rollo Hough of Oakland and W. Garner Smith of San Francisco. No statement of the sum that changed hands was made. Hough and Smith are understood to have the backing of capitalists whose names are withheld.

Hereafter Burbank will have nothing to do with the marketing of his products, but will be free to devote his entire time to experimental work. He wishes to leave commercial life altogether for science.

Marguerites for Winter.

ED. AMERICAN FLORIST:—

Will you kindly state if Marguerite Queen Alexandra is a good winter bloomer? At what temperature should they be grown? SUBSCRIBER.

Queen Alexandra Marguerite is grown successfully by many and is considered a good variety for winter blooming. Marguerites are generally grown in a house with a night temperature of about 50°. W.

NEW YORK.—More than 100 species and varieties of orchids were exhibited at the store of Charles Thorley on Fifth avenue Easter week, which were grown by Lager & Hurrell of Summit, N. J.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As foreman by an expert grower of carnations; German; married; age 28 years. Address Key 611, care American Florist.

Situation Wanted—By a good carnation grower, capable of taking charge; state wages in the first letter. Address Key 609, care American Florist.

Situation Wanted—By a good all around greenhouse man; bedding plant experience; open for engagement May 1. Address Key 608, care American Florist.

Situation Wanted—By German florist; single; good grower of cut flowers and plants; strictly sober; prefer place near Chicago. Address Key 590, care American Florist.

Situation Wanted—By competent saleslady and designer; age 25; eight years' experience; good references; state particulars; good wages. Address Key 600, care American Florist.

Situation Wanted—An experienced gardener is desirous of securing a situation in a private place in or near Chicago. For further particulars Address Key 591, care American Florist.

Situation Wanted—By experienced gardener, German as foreman in private place; married; best of references; state particulars in first letter. Address Key 602, care American Florist.

Situation Wanted—In or near Chicago; an experienced carnation grower capable of taking charge; can furnish the best of references. For further particulars address Key 592, care American Florist.

Situation Wanted—As foreman or manager by first-class grower of choice pot plants and cut flowers; Al in roses; German; good references; state particulars. Address Key 593, care American Florist.

Situation Wanted—As foreman, by florist, 35 years of age, married, 23 years' experience in all branches, private as well as commercial. Last employer retail. Address Key 604, care American Florist.

Situation Wanted—As working foreman, by Al grower of American Beauty and tea roses, orchids, carnations, mums, bedding, Easter, Christmas, decorative and nursery stock; familiar with steam and hot water; over twenty years' experience on modern wholesale and retail places; can take full charge and make good place pay; hard worker and good manager; seven years in present place; age 37, married; total abstainer; references. Permanent place, good pay and good treatment expected; salary or shares; state terms. Address "GROWER," care 74 Gautier Ave., Jersey City, N. J.

Help Wanted—Clerks, experienced in nursery stock and seeds. THE W. W. BARNARD CO., 231-235 W. Madison St., Chicago.

Help Wanted—First-class salesman and designers for our retail stores. Apply to HERMAN BERSHAD, Care Loeser's, Fulton St., Brooklyn.

Help Wanted—At once, young man for pot plants and little landscape work; good wages, board and room. Address Key 612, care American Florist.

Help Wanted—An experienced palm grower for commercial place near Chicago. Must know how to grow good decorative stock. Address Key 561, American Florist.

Help Wanted—Experienced orchardist and fruit grower. Single man preferred. State wages wanted in first letter. Apply to C. R. STARKE, Boys' Industrial School, Lancaster, Ohio.

Help Wanted—In B. C., Canada. An honest, sober, industrious, all around grower of pot plants and carnations. A steady job for the right man. Address Key 606, care American Florist.

Help Wanted—A German manufacturer, who makes special heating plants and boilers for greenhouses, desires to secure the services of a capable representative in America (an experienced florist preferred) to start immediately. Apply in writing to Key 610, care American Florist.

For Sale—Greenhouses and store; established trade; wish to retire. J. NELSON, 1747 W. Huron St., Chicago.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Cheap, greenhouses, good location, equipped; doing good business; splendid opportunity for young man with small capital. G. W. PATTERSON, Corry, Pa.

For Sale—Retail florist business; well established; no incumbrance; low rent; splendid location; good chance for right party; bargain. Address Key 613, care American Florist.

For Sale—At a great bargain, for cash, at once an up-to-date retail florist store, established 30 years doing a good paying business in the middle west. Further information address Key 605, care American Florist.

For Sale—\$2500 cash will put you in possession of 30,000 feet of glass, balance to suit purchaser, place fully equipped and in good running order, good location and a rare opportunity for a good grower. Address Key 607, care American Florist.

For Sale—On account of age, two small greenhouses and four acres of land; a steadily increasing business done for years which could be easily doubled by a younger and stronger person; a snap for a young man. For full particulars Address Key 594, care American Florist.

For Sale—20 acres of land, without buildings, in Town of Leyden, about 1½ miles south of Orchard Place, on Wisconsin Central Railway, suitable for florist or truck gardener; will sell in 5 or 10 acre tracts if desired; low price for quick sale. Inquire H. P. CASTLE, 1019 Chamber of Commerce Bldg., Chicago.

For Sale—Greenhouses, 3,500 feet of glass, with store, small house and barn, in Michigan town of 13,000. A very good trade. This is not a business that does not pay but will bear the closest investigation and will net the price of place in one year and a half. Right in center of city. Owner has enough to live on and will retire. Address Key 603, care American Florist.

WANTED

Young man who has had several years' experience in handling plants, especially palm and greenhouse work.

A. LANGE,

25 E. Madison St., CHICAGO, ILL.

FOR SALE

An Old Established and Profitable SEED BUSINESS

Owner desires to retire and enjoy a well earned rest. If interested, address,

Key 601, care American Florist.

FOR SALE.

\$3,000 will put you in possession of about 10,000 feet of glass. One of the best towns in Illinois. No competition. A large trade. Can sell all that can be grown at good prices. Address WEARY & SNYDER, Dwight, Ill.

SEEDSMAN OPEN

for engagement as General or Department Manager. One who thoroughly understands seeds and the seed business; an energetic worker now completing the seventh year of engagement with one firm. Correspondence solicited. Address,

Key 599, care American Florist.

FOR SALE-A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Ill.

For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired), one mile out on electric car line; good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass, well stocked; good reasons for selling.

HENRY GAETHJE,
1607 Second Avenue, Rock Island, Ill.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

FOR SALE

Well Established Nursery.

Excellent located near one of Minnesota's most flourishing cities. Excellent railroad facilities. 120 acres in Apples, Small Fruit and Ornamental Stock. Good Buildings, Storage and Packing Cellar. Will be sold with or without land—long lease desired. An exceptional opportunity if taken at once. Good reason for selling. Write

KEY 578, Care AMERICAN FLORIST.

Offer Them Now

ALL SPECIALTIES

For Cemetery Use
All Bedding Plants
Window Box Stock
Plants for Vases

The season is three weeks early, and the grower will get left who do not clean out their surpluses

WHILE DEMAND IS STRONG

MADISON The Money-Making ROSE

**Awarded Certificate of Merit by the National Association
of Gardeners at Philadelphia Meeting, April 15th.
The Highest Award of the Association.**

FLOWERS pure white, resembling Bride; buds fully as large. The foliage is large, does not take mildew, and resembles the foliage of the Holly.

The flowers give great satisfaction twelve months in the year.

The flowers have splendid keeping qualities.

The plants cut as many flowers as the Killarney—stems averaging one grade longer.

Crops every five weeks in Mid-Winter, with an intermediate crop, making a continuous cut of flowers all Winter.

Spring, Summer and Fall, the flowers keep their shape and size, and the plants flower most abundantly.

The plants can be grown satisfactorily in any Rose House, whether heated by steam or hot water.

The plants have very little Blind Wood. In Mid-Winter, instead of making Blind Wood, they throw out flowers.

The plants improve the second, third and fourth year—improving with age.

Plants ready for delivery NOW. From 25 to 500 Plants, 25 cents each. 500 Plants or over, 20 cents each.

All Plants in 2¼-inch pots.

TERMS: Cash with order, or plants sent C. O. D. to parties not known to us.

BRANT-HENTZ FLOWER CO., Madison, N. J.

Announcement

WE have opened a show-room at 157 and 159 William Street, New York City, complete in every detail, where a full stock of **Bay Trees, Boxwood, Rhododendrons, Azaleas, Roses, Evergreens, Climbing Vines,** and such other trees and plants as are generally used by Florists and Seedsmen. We invite your personal inspection; if inconvenient send us a list of your wants. We are the foreign grower's personal and only representative in many cases. We can quote you prices that will be a decided advantage to you.

P. H. GOODSSELL,

200 Broadway - - - NEW YORK CITY.

W. E. MAYNARD, Sales Manager, 157 and 159 Williams Street.

Boddington's Quality Roses

Hardy Hybrid Perpetual Roses.

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name:

Price, 75 cts. for 5 (of one variety), \$15.00 per 100, \$140.00 per 1,000 (Immediate delivery).

- ALFRED COLOMB—Carmine-crimson; a grand rose.
- ANNE DE DIESBACH—Bright carmine.
- HALL OF SNOW—Large, pure white.
- BARONESS ROTHSCHILD—An exquisite shade of satiny pink.
- CAPT. CHRISTY—Flesh color, deepening to center.
- CLIO—Satin blush; very fine new sort.
- DUKE OF EDINBURGH—Bright Vermilion.
- FRAU KARL DRUSCHKI—The finest white in existence.
- GEN. JACQUEMINOT—Brilliant crimson.
- JOHN HOPPER—Bright rose, with carmine center.
- LA FRANCE—Peach-blossom pink.
- MARGARET DICKSON—White, with pale flesh center.
- MARSHALL P. WILDER—Cherry-rose and carmine.
- MAGNA CHARTA—Dark pink; one of the easiest roses to grow.
- MME. GABRIEL LUIZET—Light, satiny pink.
- MRS. JOHN LAING—Rich, satiny pink.
- MRS. SHARMAN-CRAWFORD—Deep rosy pink.
- PAUL NEYRON—Lovely dark pink.
- PERSIAN YELLOW—Hardy yellow rose.
- PRINCE CAMILLE DE ROHAN—Dark crimson-maroon.
- SOLEIL D'OR—Large, globular flowers, varying in color from gold and orange to reddish-gold, shaded with nasturtium-red.
- ULRICH BRUNNER—Cherry-red; grand rose.

For Prices See Above.

Hybrid Tea, or Everblooming Roses.

HYBRID TEA, or EVERBLOOMING ROSES are becoming more popular every year; while not so hardy as the perpetuals, with slight protection in Winter they carry over in splendid shape and give a wealth of bloom all through the Summer months and late in the Fall till frost checks them.

- | | | Bundle of 5 | 100 |
|--|--------|-------------|-----|
| AVOCA—Color crimson-scarlet; buds very long and pointed; flowers large and sweetly perfumed | \$1.75 | \$25.00 | |
| COUNTESS OF GOSFORD—A very beautiful variety of the Hybrid Tea class, somewhat resembling Killarney. Color delicate pink; fine flower and bud; a splendid acquisition | 1.00 | 17.50 | |
| DEAN HOLE—Large, full flowers; perfectly formed; large petals, silvery carmine shaded salmon; very distinct and free-flowering and a beautiful rose for all purposes. Awarded Gold Medal, N. R. S., of England | 1.00 | 17.50 | |
| DOROTHY PAGE ROBERTS—A lovely shade of coppery pink suffused with apricot-yellow, more especially at the base of the petals, which are very large, massive and of great substance. Awarded a gold medal, National Rose Society of England. | 1.75 | 25.00 | |
| ELIZABETH BARNES—Satiny salmon-rose, with a fawn center suffused with yellow, outside of petals deep rosy red, shaded with copper and yellow. The shades of color are most beautiful and novel. A truly grand and superb rose..... | 1.25 | 20.00 | |
| KONIGIN KAROLA—(Improved Testout.) Magnificent. 40 cents each..... | 1.75 | 30.00 | |
| KAISERIN AUGUSTA VICTORIA—An almost pure white rose. Shaded a beautiful primrose. Fine for indoor or outdoor Summer blooming' | 1.00 | 17.50 | |
| THE LYON—Originated by the raiser of Etoile de France. Perpetual flowering. Vigorous grower. The blooms are very large with broad petals, full and globular in form; shrump-pink at the end of the petals, center coral-red or salmon-pink, shaded with chrome-yellow. Very fragrant | 1.00 | 17.50 | |

- | | | Bundle of 5 | 100 |
|--|--------|-------------|-----|
| THE KILLARNEY ROSE—This is a grand rose for either indoor or outdoor cultivation; is a strong grower and the blooms, which are of a beautiful pink, are borne in great profusion | \$1.00 | \$17.50 | |
| MAMAN COCHET ROSES—The best of all Roses for Summer-flowering and cutting. | | | |
| MAMAN COCHET (PINK)—Color a clear, rich pink changing to silvery rose; very double and fragrant..... | .85 | 15.00 | |
| MAMAN COCHET (WHITE)—A sport from the above, with all its characteristics; color a beautiful snow-white, at times tinted with the faintest suggestion of blush, the same as is often found in the Bride..... | .85 | 15.00 | |
| ROSE, ETOILE DE FRANCE—Superb crimson-red velvet, the center of the bloom vivid cerise-red. The Queen of the Everblooming Red Roses. The most free-blooming and vigorous Red Rose ever introduced | .85 | 15.00 | |
| BESSIE BROWN—Creamy white..... | 1.25 | 20.00 | |
| GRUSS AN TEPLITZ—No rose in commerce can compare with this as a bedder. It is a perfect sheet of richest crimson-scarlet all Summer. A strong, vigorous grower.. | .85 | 15.00 | |
| RICHMOND—The well-known red rose of commerce | 1.00 | 17.50 | |
| PRESIDENT CARNOT—Almost pure white rose, shading to soft pink, very distinct and excellent for indoor or outdoor Summer growing | 1.00 | 17.50 | |
| BETTY—Coppery-yellow, overspread with golden-rose | 1.25 | 20.00 | |
| MADAME ABEL CHATENAY—Carmine-rose, shaded salmon-pink..... | 1.00 | 17.50 | |
| MILDRED GRANT—Cream, with a faint blush of pale rose..... | 1.00 | 17.50 | |
| AMERICAN BEAUTY—Almost too well-known for description, but as popular today as twenty years ago. Rosy carmine, shaded salmon, flowers large and full; very floriferous | .85 | 15.00 | |
| CAROLINE TESTOUT—Bright satin rose, with brighter center, large, full, globular | .85 | 15.00 | |
| LIBERTY—Very free-flowering, bright crimson-scarlet, of an even shade throughout; floriferous | 1.00 | 17.50 | |
| MRS. AARON WARD—Indian-yellow, occasionally washed salmon-rose; very large, full, elongated flowers, very free..... | 1.75 | 25.00 | |
| MOLLY SHARMAN-CRAWFORD—Large, full flower; color delicate eau-de-Nil, which, as the flower expands, becomes dazzling white | 2.00 | 30.00 | |
| MME. JULES GROLEZ—A beautiful satiny china-rose color, very bright and attractive. A distinct and pretty rose, which should be planted extensively..... | 1.00 | 17.50 | |
| MME. RAVARY—Buds golden yellow, open flowers, nankeen-yellow | 1.25 | 20.00 | |
| VISCOUNTESS FOLKESTONE—A large, full flower of creamy pink, shading to deep salmon-pink at the center; very floriferous | 1.50 | 22.50 | |
| WILLIAM SHEAN—Purest pink, with delicate veination; petals shell-shape. Gold Medal N. R. S., England..... | 1.25 | 20.00 | |
| WHITE KILLARNEY—This white queen of the Irish roses excels any other of its class. The color is pure white. White Killarney, like its prototype, is unusually hardy and without protection has stood severe Winters as far north as Boston.. | 1.75 | 25.00 | |

Baby Rambler Roses.

- CATHERINE SEIMETH—A white Baby Rambler Rose, larger and better flowers than the type. An important fact is that it has the true rose perfume in a high degree. 75 cts. for 5, \$14.00 per 100.
- BABY DOROTHY—The same in habit as Baby Rambler, but the color of the flower is similar to Dorothy Perkins. "Baby Dorothy," when planted out, flowers perpetually from Spring until Autumn. 75 cents for bundle of 5, \$14.00 per 100.
- MME. NORBERT LEVAVASSEUR (The Original Baby Rambler)—A dwarf-growing, ever-blooming Crimson Rambler. This blooms when a small plant and forms clusters of flowers as large as the Crimson Rambler. 75 cents for 5, \$14.00 per 100.

Arthur T. Boddington, SEEDSMAN, 342 West 14th Street, New York City

LILIES

LARGE PERFECT FLOWERS ON LONG STEMS, \$6.00 Per 100.

Big Crop of ROSES and BEAUTIES Now In.

We grow all the flowers we sell and guarantee them to be absolutely fresh.

BUY DIRECT OF THE GROWER

CURRENT PRICE LIST Subject to change without notice

AMERICAN BEAUTIES.		Per doz.
Extra long		\$3.00 to \$4.00
30-in.		2.50
20 to 24-in.		1.50 to 2.00
15-in.		1.00
12-in. ....		.50 to .75

RHEA REID.		Per 100.
Extra long select		\$8.00
Good length		\$6.00 to 7.00
Medium length		5.00
Short		3.00 to 4.00

MRS. AARON WARD.		Per 100.
Extra long		\$8.00 to \$10.00
Medium and good lengths.		6.00
Short lengths		3.00 to 4.00

WHITE AND PINK KILLARNEY, PERLE AND RICHMOND.		Per 100.
Extra long select		\$8.00
Good length		6.00
Medium length		4.00 to 5.00
Short		3.00

CARNATIONS.		Per 100.
Extra long fancy O. P. BASSETT.		\$2.00 to \$3.00
Fancy white		3.00
Fancy pink		2.00 to 3.00
Fancy dark pink		2.00 to 3.00

EXTRA FINE EASTER LILIES.		Per dozen
Per dozen		\$1.00
Per 100		6.00
LILY OF THE VALLEY		\$3.00 to \$4.00
ASPARGUS SPRAYS	per 100,	3.00 to 4.00
SMILAX STRINGS	per doz.,	3.00
ADIANUM	per 100,	1.00
GALAX, Green & Bronze	per 1,000,	1.25
FERNS	per 1,000,	3.00

Bassett & Washburn, Chicago

Store and Office: 131 N. Wabash Ave.

Greenhouses: Hinsdale, Ill.

Chicago

STOCK IN GREAT ABUNDANCE.

The usual conditions following a great floral holiday are manifest in all branches of the trade. The retail houses fully understand that their customers all have had a surfeit of flowers, and that the buying is going to be small for a few days and, consequently, are not buying heavily knowing from past experience that they can procure anything they desire from an overstocked market. The plants, however, keep producing and the result is that there is a great abundance of stock of all kinds coming into the market with no great demand, consequently prices have lowered quite a little and there are a few buyers who are trying to emulate the bears of the stock market and force the prices lower that they may be able to offer bargains in everything. There is a great supply of almost everything in the flower line. American Beauties of good quality, orchids and greens of all kinds are not in oversupply, and while they cannot be said to be scarce yet the demand is equal to the receipts, and smilax and good green material is at times difficult to obtain in large supply, and southern smilax is reported to be in short supply and good property. Roses are very plentiful and the daily receipts are very large and of excellent quality, and the buyers who can handle a large quantity can obtain them at bottom prices. Carnations are also very plentiful but some of the growers say that they are not cutting so heavily as is often the case at this time of the year. The best blooms are selling very well and at fair prices, but the flowers that are not of top-notch grade are sold very cheap and low prices are placarded in some store windows. Sweet peas are in bountiful supply and were featured in great numbers in some of the store

windows at very low values. There are quantities of narcissus, the southern grown arriving in large quantities and are sold very low, but the receipts of tulips and hyacinths are very much smaller. Spanish iris is seen in quantities and they are made a feature by some of the retailers. Callas and lilies are to be had in quantity, large numbers being displayed, but the call for these during the last week has not been large. Freesia is about done and there is very little left on the market. Violets also are received only in much smaller shipments and in some cases are beginning to show the effects of the warm weather. Antirrhinums of excellent quality are shown in large vases, the white and pink being displayed in quantity. Pansies for corsages are freely offered and many of the ladies are wearing them. Mignonette, marguerites, stocks and calendulas are some of the smaller flowers seen in the store windows and on the counters of the wholesale stores. The first trailing arbutus of the season was offered this week. One of the wholesalers is bemoaning the loss of the street fakirs in the city for he thinks that these much-berated street salesmen are a benefit when the market is overstocked. The market will probably at the end of the week assume a firmer tone, states a prominent grower, for replanting is commencing and as it progresses the supply will begin to shorten up and as the usual spring demand again returns it will be found that the receipts will not be any larger than the requests.

NOTES.

George Sykes, Lord & Burnham Co.'s western manager, says "Orders are lively this way," and some of the liveliness is material for two pipe frame greenhouses for Fred Keppler, Springfield, O.; material and erection of two sectional iron frame curved-eave green-

houses, vegetable and violet pits for D. M. Cummings, Lake Forest; four sectional iron frame greenhouses for F. C. Van Dusen, Minnetonka, Minn.; range of sectional iron frame greenhouses, including palm house, for the Northern Hospital for the Insane, Logansport, Ind., and material and erection of iron frame greenhouse 48 x 133 feet for W. A. Harkett, Dubuque, Ia.

The Central Trust Company of Illinois pursuant to an order of the court, solicits bids for the assets of the American Metal Box Co., which will be received until April 23, consisting of a large stock of self-watering flower boxes and machinery and materials for the manufacture of these, chandeliers and electroliers, a full description of which may be obtained from the company.

Frank Johnson, the hustling sales manager for the A. L. Randall Co., started out on another business trip on April 15. Mr. Johnson did not leave any address but when he was last seen he was headed toward the sunny south.

Peter Reinberg is cutting a large supply of American Beauty roses and Tim Matchen, the efficient store manager, is now offering his customers something choice in the long, medium and shorter grades.

R. A. Smythe, the well known florist and fruit grower of Benton Harbor, Mich., was a welcome visitor here this week.

Miss H. V. Tonner has recovered from her recent illness and is again attending to her duties at the store.

Julius Kline is the latest addition to Wieter Bros.' force, having entered upon his duties Monday, April 15.

Miss M. C. Gunterberg is still receiving a good supply of fancy orange blossoms.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

BEAUTIES

Now in Plentiful Supply.

FANCY FLOWERS. Can quote you attractive prices on lots of one hundred or more.

Spanish Iris Extra Fancy Quality.
All Colors.

VALLEY. Poehlmann's Brand Is Always the Best.

Carnations

Most excellent quality. Special price on thousand lots or more by wire.

Sweet Peas

We have an excellent quality of fancy long stem Shell Pink, Purple, Lavender, White and Blanch Ferry.

Richmond and Killarney

FANCY LONG STEM.

Will make special low price on large quantity of five hundred to one thousand. Write or wire for prices.

Easter Lilies

Per doz., \$1.50. Per 100 \$8.00 to \$10.00.

CURRENT PRICE LIST

AMERICAN BEAUTIES,	Per Doz.				Per 100
Specials	\$4.00		WHITE KILLARNEY, select	\$ 8.00	
36-inch	3.00		Fancy	6.00	
30-inch	2.50		Medium	\$4.00 to 5.00	
24-inch	2.00		Good Short	2.00 to 3.00	
20-inch	1.50		ROSES, extra special billed accordingly.		
15-inch	1.25		CARNATIONS, fancy	\$ 3.00	
12-inch	1.00		" firsts	2.00	
Short stem	per 100 \$4.00 to 6.00		" common splits	\$1.00 to 1.50	
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.			ORCHIDS, Cattleyas, per doz.	\$ 7.50 to \$ 9.00	
			CALLAS, per doz., \$2.00	12.50 to 15.00	
			TULIPS	2.00 to 3.00	
Fancy	\$10.00 to \$12.00		SPANISH IRIS	4.00 to 6.00	
Medium	8.00		VALLEY	3.00 to 4.00	
Short	6.00		NARCISSUS POETICUS	\$ 1.50 to 2.00	
MELODY, fancy long	\$10.00 to \$12.00		MIGNONETTE, large spikes	4.00	
Medium	8.00		PANSIES, fancy large	1.00	
Short	6.00		SWEET PEAS, common .....	.50	
MRS. AARON WARD.			SWEET PEAS, fancy	\$ 0.60 to .75	
Fancy Long	\$10.00 to \$12.00		ADIANTUM CROWEANUM	1.00	
Medium	8.00		SMILAX	per doz., \$2.50 to 3.00	
Short	6.00		SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00	
RICHMOND, select	\$ 8.00		PLUMOSUS STRING	each .60	
Fancy	6.00		FERNS	per 1000 3.00	
Medium	\$4.00 to 5.00		GALAX	per 1000 1.25	
Good Short	2.00 to 3.00		LEUCOTHOE	per 100 .75	
KILLARNEY, select	\$ 8.00		BOXWOOD	per bunch, 25; per case of 50 lbs. 7.50	
Fancy	6.00				
Medium	\$4.00 to 5.00				
Good Short	2.00 to 3.00				

Good Short Stem Roses, \$15.00 per 1000; 500 at the same rate.

POEHLMANN'S FANCY VALLEY } We make these a specialty.
EXTRA FINE HARRISII LILIES } Can supply them all the Year.
Once tried you will have no other

Peter Reinberg

30 East Randolph St., CHICAGO.

WHITE AND PINK KILLARNEYS RICHMOND BEAUTIES

And a Large Supply of all the other Leading Varieties of Roses.

CARNATIONS

Fine Large RED, WHITE and PINK Blooms.

- Carnations, in 1000 lots.....\$10.00 per 1000.
- Roses, in 1000 lots, Short..... 20.00 per 1000.
- Roses, in 1000 lots, Medium..... 30.00 per 1000.

CURRENT PRICE LIST.

Send Your Orders Direct to the Grower and They Will be Taken Care of

AMERICAN BEAUTIES		Per doz.			
Extra long stems.....		\$4 00		Perle.....	Select
36 inch stems.....		3 50		Sunrise.....	Medium
30 inch stems.....		3 00			Short
24 inch stems.....		2 50		Roses, our selection.....	3 00 to 4 00
20 inch stems.....		2 00		Carnations	1 50
15 inch stems.....		1 50		Fancy	2 00
12 inch stems.....		1 25		Harrisii	per doz. 1 50
Short Beauties.....		.50 to 1 00		Valley	3 00 to 4 00
Richmond	Select	\$8 00		Sweet peas	75 to 1 00
Killarney.....	Medium	\$5 00 to 6 00		Tulips	3 00 to 4 00
White Killarney	Short	3 00 to 4 00		Jonquils	3 00
My Maryland...				Adiantum	1 00
				Asparagus, per bunch.....	50
				Ferns, per 1,000.....	3 00

Wietor Bros. are having a good call for their Mrs. Jardine roses and the leading retailers everywhere are using them quite extensively in high-class and expensive floral work. The cut of stock in general is large, and fancy American Beauty roses is but one of the many offerings at this house.

John Krutchen is receiving a large supply of gardenias and is now prepared to fill orders for these popular flowers in dozen or 100 lots. Roses and carnations are also arriving in large quantities and Mr. Krutchen is inclined to think that he has an option on quantity.

Fred Liebermann, the Wells street florist, is getting his arm in shape and is doing a little pitching with the expectations of leading his nine to many victories this summer. No doubt the retailers will soon be challenging the wholesalers to cross bats again in the very near future.

Dwight L. Harris, of the Pulverized Manure Co., says that business is very good and that his firm is kept busy filling the many orders. The demand has been so large lately that the firm's

warehouses look as if a cyclone had struck them.

John Zech received a souvenir album, containing 196 pages, from one of his New Orleans customers this week and is now devoting his spare moments in looking over the old familiar scenes of the southern metropolis.

A. L. Vaughan & Co. are pleasing their customers with an exceptionally fine grade of sweet peas and Spanish iris. Max Ringer of this firm was laid up for a few days of the past week with a severe cold.

The Chicago Carnation Co.'s baseball team won its first and opening game in the Joliet city league last Sunday when it defeated the crack Odd Fellows' nine by an 8 to 7 score.

H. Van Gelder is giving his new Buick a good test and he can be seen on Sundays scurrying through the streets of this city and suburban towns on double-quick time.

The J. B. Deamud Co is still offering a fine grade of home-grown double violets and the first trailing arbutus of the season made their appearance on April 14.

Chas. H. Hudson, representing Hammond's Paint & Slug Shot Works, Fishkill-on-Hudson, N. Y., is calling on the trade here this week.

Nick Everts is planning on enlarging his plant this season, and the new addition will probably be two houses 32x150 feet.

A meeting of the Cook County Florists' Association will be held at the Union Restaurant (tonight) Thursday, April 18.

W. W. Fuller says that business was very good the past year and that last week was the first dull week he has had.

Chas. Bond of Naperville has placed an order with Kroeschell Bros. Co. for a No. 14 boiler and heating system.

Everybody's doing it! What? Attending the baseball games and reading THE AMERICAN FLORIST.

In again and out again. Clifford Pruner, E. H. Hunt's traveling salesman.

Winterson's Seed Store has just received a large shipment of box trees.

Wilder Deamud left Tuesday, April 16, for a business trip in the east.

Budlong's Blue Ribbon Valley



is the kind the most
Exacting Florists use

FOR

Wedding Bouquets

Where there is a desire
to have the best.

We make a specialty of growing
valley, sweet peas and
roses for the bouquet demand
and we know that we have the
best on the market.

If you have not been using it
send us your next order and you
will never use any other than our

Blue Ribbon Valley

We are now in full crop and
can give you anything in Sea-
sonable Cut Flowers.

**Quality speaks louder
than prices.**

**SEND A
TRIAL ORDER.**

No Order
2
Large.

J.A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

No Order
2
Small.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Big Crops of Everything

FINEST STOCK IN THE CHICAGO MARKET. BAR NONE.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

	Per Dozen		Per Dozen
60-inch stems.....	\$4 00	24-inch stems.....	\$1.50
48-inch stems.....	3.00	20-inch stems.....	1.25
36-inch stems.....	2.50	15-inch stems.....	1.00
30-inch stems.....	2.00	Short Stems.....	.75

Killarney.

			Per 100
Extra special, 36-inch Stems.....			\$7.00
Selects, 30 "			6.00
Fancy, 24 "			5.00
Medium, 20 "			4.00
Good.....			3.00
Short stems.....			2.00

Richmond

			Per 100
Extra specials, 36 inch stems.....			\$7.00
Selects, 30 "			6.00
Fancy, 24 "			5.00
Medium, 20 "			4.00
Good.....			3.00
Short stems.....			2.00

Jardine

			Per 100
Fancy, 24-inch stems.....			\$8.00
Good, 15 "			6.00
Short.....			4.00

White Killarney

			Per 100
Extra specials, 36-inch stems.....			7.00
Selects, 30 "			6.00
Fancy, 24 "			5.00
Medium, 20 "			4.00
Good.....			3.00
Short stems.....			2.00

Uncle John

Fancy, 24-inch stems.....			\$6.00
Good, 15 "			3.00
Short.....			2.00

Roses, our selection - - - **\$2.00**

Carnations,

Special.....			\$2.00
Fancy.....			1.50
Good.....			1.00

HARRISSI..... 8.00 to 10.00
 FERNS, per 1000, \$3.00. SMILAX, per doz., \$2 to \$3.
 ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.
 SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS,
 per bunch, 50c.

Poehlmann Bros. Co. is receiving large quantities of exceptionally fine stock in their daily shipments. The novelties in roses are now coming in much more plentiful and some elegant blooms of Melody, Prince de Bulgarie or Mrs. Taft, Double Pink Killarney, Mrs. Aaron Ward and Dark Pink Killarney are in the daily receipts, and the older roses are in large supply and of superb quality. Poeticus narcissus and fine large pansies are among the novelties at this store. Henry Weiss is now one of the force at this establishment.

H. S. Garland returned on April 12 from Davenport, Ia., where he read a paper, "Why Cast Iron Gutters Break and How We Have Eliminated This Trouble," before the Tri-City Florists' Club the previous evening. Mr. Garland's company has many customers down there, and it is needless to add that he was given a royal welcome. B. J. Maynard and P. Rosenberg of the Geo. M. Garland Co. started out on their first trip of the year this week.

Chas W. McKellar expects to be located in his new store at 20 E. Randolph street about May 1 and says that he would greatly appreciate it if his customers would send their mail to that address on and after that date. Mr. McKellar's business has increased so rapidly that he was obliged to seek larger quarters and he feels that the new store will be plenty large enough for some time to come.

J. A. Budlong is particularly strong on lily of the valley, and Phil Schupp is now supplying his many customers with his famous Blue Ribbon brand. Frank Paznkiet is the latest addition to the store force, having entered upon his duties Monday, April 15. Fred Price of this firm is very popular and hardly a day goes by but what he re-

ceives a call from some charming young lady.

John Huebner's crack five, consisting of himself, Wm. Graff, Wm. Wolff, Fred Krauss and A. B. Marks, will bowl in the state tournament now being held at Bensinger's alleys. Ernest Farley will bowl with the Madisons No. 2, and like the members of the other five, says that he expects to win some of that \$9,000 prize money.

J. F. Kidwell, president of the Chicago Flower Growers' Association, says that the demand for greens has been very good and that Spanish iris is also moving well. The stockholders of this association held a meeting last night, April 18, and much important business was transacted.

Kroeschell Bros. Co., reports receiving many orders for their threaded tube piping system and Fred Lautenschlager says that the Painesville Garden & Greenhouse Co.'s order alone calls for 10,600 feet. William Kroeschell made a business trip to New York recently.

W. H. Pontius of the Superior Machine & Boiler Works returned last week from a most enjoyable business trip to Milwaukee. He says the outlook for a fine boiler business is bright and that his firm expects to sell a good many Superior boilers this season.

The Otto Wittbold Nursery shipped out two carloads of nursery stock the past week and the new concern is certainly making things move right at the start. Mr. Wittbold and his men are now busy with the outside work and everything points to a busy season.

The Geo. Wittbold Co. is planning on growing roses at their Edgebrook establishment and three houses will be devoted to growing of Killarney and White Killarney roses. Robert Hand,

formerly with Poehlmann Bros. Co., will have charge of the rose section.

H. N. Bruns is using Moninger material in the new greenhouse, 35x125 feet, that he is now building on his lot east of his store. As soon as it is completed he will leave for Germany to visit his folks and attend to some business matters.

Bassett & Washburn had a very good shipping business on April 15, when the store looked more like its former self and reminded us of a holiday. This firm is still cutting heavily in lilies and many choice blooms are being sold daily.

Weiland & Risch have propagated a large number of Mrs. Taft rose plants and will grow this rose more heavily in the future. They have a large surplus of these plants and are now closing them out at reasonable prices.

The Des Plaines Floral Co. filed a large number of orders for rooted carnation cuttings the past season but still has a surplus to offer. This firm cut 13,000 blooms during Easter week from their 26,000 feet of glass.

Hoerber Bros. are in full crop with roses and carnations and the firm is busy trying to find an outlet for the large supply that is now being received.

Sol. Garland has a new dark pink carnation seedling, which he calls No. 2, that looks very promising and which he may disseminate this year.

A. Vanderpoel of the Douglas Boulevard Floral Co. says that he had a fine Easter trade and that it was much better than he expected.

Jack Byers, the Chicago Carnation Co.'s obliging young salesman, was on the sick list this week.

Art Blome, with Paul Blome & Co., is serving on the jury this week.

John Fuhrmann has just recovered from an attack of bronchitis.

HEADQUARTERS

**FOR FANCY SWEET PEAS,
IRIS, ROSES, CARNATIONS, VALLEY
And Everything Seasonable.**

Especially Fine Flowers for Wedding Bouquets, Corsages, Etc.

CURRENT PRICE LIST.

AMERICAN BEAUTIES.		Per Doz.		Per 100
Specials		\$4.00	CARNATIONS, fancy	\$2.00
36-inch		3.00	“ firsts	1.50
30-inch		2.50	“ common splits	1.00
24-inch		2.00	ORCHIDS, Cattleyas, per doz.	\$7.50 to \$ 9.00
20-inch		1.50	CALLAS, per doz., \$1.50	12.00
15-inch		1.25	TULIPS	2.00 to 3.00
12-inch		1.00	SPANISH IRIS	4.00 to 6.00
Short stem	per 100	\$4.00 to \$6.00	VALLEY	3.00 to 4.00
	Per 100		MIGNONETTE, large splkes.	4.00
RICHMOND, select		\$8.00	SWEET PEAS, common	.50 to .75
Fancy		6.00	ADIANTUM CROWNANUM	.60 to 1.00
Medium		4.00	SMILAX	per doz., 2.50 to 3.00
Good short		3.00	SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00
KILLARNEY, select		\$8.00	PLUMOSUS STRINGS	each .60
Fancy		6.00	FERNS	per 1000 2.50
Medium		4.00	GALAX	per 1000 1.25
Good short		3.00	LEUCOTHOE	per 100 .75
WHITE KILLARNEY, select		\$8.00		
Fancy		6.00		
Medium		4.00		
Good short		3.00		

A. L. VAUGHAN & CO.

Telephones, Central 2571 and 2572.

161 N. Wabash Ave., - - - - - Chicago

“The Busiest House in Chicago.”

EXTRA FANCY

**Iris, Sweet Peas, Carnations,
Roses, Lilies and Double Violets**

J. B. DEAMUD CO.

Phones } Central 3155.
 } Auto. 44-389. 160 N. Wabash Ave., CHICAGO

A. Lange's window was surrounded with interested spectators this week, the bridal floral arrangements attracting their attention. A canopy of asparagus, bride's bouquet of white roses and lily of the valley, bride's muff decorated with Roman hyacinths, bridesmaid's bouquet of Killarney roses and flower girls' basket of Melody roses were beautifully arranged and appropriately tied with bows and ribbons. Among those admiring the flowers were noted many young ladies of marriageable age and they appeared very much interested.

Sprinkleproof Sam, representing Wertheimer Bros. of New York, is back here with his everlasting smile and the usual showers which follow in his wake. He is now calling on his firm's many customers in this vicinity. Mr. Seligman spent Easter in Atlantic

City and reports having had a most enjoyable time.

E. W. Reid of Holm & Olson, St. Paul, was in the city for a few days this week on business.

John Paulus has left for the lakes to put the finishing touches on his summer cottage.

H. E. Philpott of Winnipeg is renewing old acquaintances in this city this week.

Visitors: W. D. Desmond, Minneapolis, Minn.; P. J. Olinger, Cincinnati, O.; Ernest J. Brown, of Mallory & Brown, Madison, Wis.

LOUISVILLE, KY.—The monthly meeting of the Kentucky Society of Florists was held at the store of August R. Baumer, April 10. A paper on the advantages derived from membership in trade organizations was read and discussed.

Chicago Bowling.

Individual and team scores for games played Wednesday, April 10:

Roses.		Violets.
Stack . . . 152 131 179	Schl'sm'n . . . 139 164 130	
Winterson . . . 128 126 107	Bernier . . . 138 142 124	
Wetzel . . . 119 169 133	Goerisch . . . 134 148 132	
Wolf . . . 160 140 166	Hamburg . . . 119 112 128	
Fisher . . . 247 178 149	Price . . . 169 197 172	

Totals. . . 806 744 734	Totals. . . 699 733 586
Carnations.	Orchids.
Lorman . . . 175 175 136	Krauss . . . 190 142 161
Ayres . . . 151 186 142	Graft . . . 167 141 161
Schultz . . . 193 172 157	Huebner . . . 155 146 166
Balliff . . . 163 146 135	Parley . . . 175 188 195
A. Zech . . . 169 192 169	J. Zech . . . 147 123 187
Totals. . . 851 871 739	Totals. . . 774 740 870

PHILADELPHIA, PA.—The Chestnut Hill Horticultural Society held its tenth annual spring flower show April 2. Special prizes offered by H. F. Michell Co., Henry A. Dreer, Inc., and Hosea Waterer, were awarded for plants and flowers.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones ^{Randolph 5449} Automatic 43-521

J. F. KIDWELL, Pres.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres
G. C. WEILAND, Sec'y.

Extra Fancy Spanish Iris

ALL COLORS
\$5.00 per 100.

Also Choice
KILLARNEYS,
OTHER ROSES
AND
CARNATIONS

CURRENT PRICE LIST:

	Grade	A	B	C	D	E	F	G
Beautica.....	per dozen	\$ 4.00	\$ 3.50	\$ 3.00	\$ 2.00	\$ 1.00		
Killarneys.....	per 100	8.00	6.00	5.00	4.00	3.00	2.00	
White Killarneys.....		8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....		8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....		8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....		8.00	6.00	5.00	4.00	3.00	2.00	
Maid.....		8.00	6.00	5.00	4.00	3.00	2.00	
Brides.....		8.00	6.00	5.00	4.00	3.00	2.00	
Carnations.....		3.00	2.00	1.50	1.00			
Callas.....		10.00						
Easter Lilies.....		10.00	8.00	6.00				
Orchids, Cattleyas.....		50.00	35.00					
Lily of the Valley.....		4.00	3.00	2.00				
Sweet Peas.....		.75	.50	.35				
Mignonette.....		4.00	3.00					
Daffodils.....		4.00	3.00					
Tulips, assorted colors.....		3.00	2.00					
Jonquilla.....		1.00	.75					
Daisies.....		4.00	3.00	2.00				
Asparagus Plumosus Sprays.....		4.00	3.00	2.00				
Asparagus Sprengeri Sprays.....		4.00	3.00	2.00				
Mexican Ivy. \$5.00 per 1000.....		.60						
Smilax.....		25.00	16.00					
Adiantum.....		1.00						
Galax, Green or Bronze.....	per 1000	1.00						
Ferns.....		3.00	2.50					

Chicago Florists' Club.

An adjourned meeting of the Chicago Florists' Club was held at the Union Restaurant April 11, President Foley in the chair. There was a large attendance and considerable discussion of convention matters, and Geo. Asmus was elected trustee to fill the vacancy caused by the resignation of E. C. Amling. R. Papineau, Jr., was proposed for membership.

W. D. Desmond, of the L. S. Donaldson Co., Minneapolis, Minn., was a visitor and told of Easter trade conditions in the Twin cities and the flower show to be held in St. Paul next fall for which preparations are now going forward. Mr. Desmond incidentally remarked that his section would be well represented at the coming convention, especially in the bowling contests.

Chairman Guy French of the Good of the Club committee announced that an address on "Concrete Construction in Greenhouses," with stereopticon views, would be given by S. A. Jamieson, of Universal Portland Cement Co., at the next meeting, May 2, when it is hoped there will be a large attendance of those interested in greenhouse building problems, as Mr. Jamieson is working hard to make his address an interesting and beneficial feature of the meeting.

President Foley then introduced August Koch, formerly of the Missouri Botanical Garden, St. Louis, and recently appointed head gardener of the Chicago West side park system. Mr. Koch was given a cordial reception and spoke very favorably of the Chicago parks, outlining some of the work he has in view in his new position.

Fred Lautenschlager, with the Kroeschell Bros. Co., who recently made an extended business tour in the east, said that, judging from the comments heard on his trip, the attendance at the annual convention of the

Society of American Florists, to be held in Chicago next August, will break all records.

Davenport, Ia.

The trade at Easter this year was about the same as last with perhaps an increase of about 10 per cent. There was a good supply of both plants and cut flowers and prices were about the same as last year. In cut flowers carnations took the lead and lilies of course were the leaders in plants, closely followed by spirgeas, tulips, daffodils, pelargoniums and roses. Lilies this year were exceptionally fine. Some fine azaleas were also on the market. Few violets were called for, sweet peas seemingly taking their place. The local supply of both cut flowers and plants was equal to the demand.

FLORISTS' CLUB MEETING.

Owing to the illness of the daughter of Harry Bills the meeting of the Tri-City Florists' Club, which was to have been held at his home, was held at the Outing Club, Davenport, and there was a good attendance. Owing to the absence of Theo. Ewoldt, president, Henry Pauli, vice president for Davenport, filled the chair. "Greenhouse Construction; Iron vs. Wooden Gutters; Cement vs. Wooden" was the evening's topic. H. S. Garland of Des Plaines, Ill., the man of the Iron Gutter fame, was a guest of the club and gave a very interesting and instructive talk along the line of iron gutters and greenhouse construction. Mr. Garland had on exhibition the new gutter which his firm is now putting out and after hearing his instructive paper there is no doubt but that every new house built by members of the club will feature Garland's gutters. Mr. Garland's talk was one of the best and most instructive ever given before the society and one every member appreciated.

After routine and banquet matters were disposed of the club adjourned into the dining room, where a fine supper was awaiting, and a very fine social time was had. The May meeting will be held at the home of Wm. Knees of South Fifteenth street, Moline.

T. E.

Omaha, Neb.

The Easter business was as good as was expected and more stock was sold than in previous years. However, the prices were not as firm, being 10 to 20 per cent less than those of last year. Too much stock was the cause and lots of bulbous stock was left over as well as lilies. Roses and carnations sold very well and azaleas and made-up baskets had a good call. The weather was ideal, which greatly decreased the work in delivering the stock. Many shipping orders were lost on account of the high water, the express company refused to take any flowers for a whole week up to April 6, so no flowers could be sent west of the city.

NOTES.

The Omaha Florists' Club had a bowling night March 23, 24 men taking part, and two teams were formed, one from Council Bluffs and one from Omaha. The Council Bluffs team won two out of three games.

Very little building will be done in this vicinity this season. J. F. Wilcox & Sons of Council Bluffs will erect a range of houses for plants.

G. W. Sorenson was elected mayor of Florence by a large majority.

J. J. Hess and family will leave May 11 for Europe. GRIPPE.

KEANSBURG, N. J.—Daniel Tilton & Son are erecting a large greenhouse in which vegetable plants will be grown in the spring and carnations in the winter.

ROSES

AND CARNATIONS

BIGGEST CROPS EVER

ORDER OF US

AND WE WILL FIX YOU UP RIGHT. WRITE NOW.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

Long Distance Phones:
Randolph 2758.
Automatic 41770.

Chicago.

Detroit.

THE GREATEST GLUT OF CARNATIONS.

Trade the last week was strongly featured by perhaps the greatest glut this market ever experienced, particularly in carnations, when over 35,000 of these came into Michigan Cut Flower Exchange Saturday morning, which, added to the preceding day's accumulation, brought the number up to over 50,000 for disposal in a market normally calling for about 5,000 to 10,000 at most. Special sales at low prices by several of the retailers moved considerable of the stock, but left dissatisfaction all along the line, because of the necessarily low prices realized. Roses were plentiful, too, especially in the shorter grades, while good long-stemmed stock was short of the demand. Sweet peas are coming in from all directions in great quantities, but find a fairly good market. Violets are no longer popular, as the long days reduce the color, size and usual attractiveness. Sweet peas are superseding them for street wear, and few, if any, will be on the market after this week. Spanish iris has made its appearance, and the limited stock coming in finds ready sale. Lots of bulbous stock is still coming in, but is unnoticed by the buyers, when other items are so plentiful and of good quality.

NOTES.

The club meeting Monday evening, April 15, was fairly well attended, the chief attraction being an address by Charles Plumb on "Easter Experiences." As a grower of great quantities of flowering plants, he gave a resume of his Easter plant sale, as indicating the line of demand for future like events, and had many suggestions as to varieties and sizes of pot plants for popular demand. A discussion of the subject brought out the ideas of



ORCHIDS

::A Specialty::

A fine stock of **Cattleyas, Gardenias, Dendrobiums, Assorted Orchids, Valley, Violets, Beauties**, and all fancy flowers always on hand. Decorative stock and supplies of all kinds.

Send for Price List

On and after May 1 all telegrams and mail should be addressed to our new number, 22 E. Randolph Street.

CHAS. W. McKELLAR

162 N. Wabash Avenue,
CHICAGO.

the retailers, which the essayist said would guide him in the future in supplying their wants. The present disastrous glut in the market called for a spirited discussion on ways and means to avert this annual recurring period of mental anguish to growers, wholesalers and retailers alike, but the solution is not yet found, and won't be as long as growers persist in enlarging their glass area sufficiently to supply completely the demand at Christmas and the two months following. A committee was appointed to secure new

club quarters, as the present room will not be available after May 1 next. M. J. Burch was proposed for membership.

Albert Stevens of the Bath City has sold his greenhouse establishment with five acres of land to Sydney Tinker, who formerly worked for Robert Klagge.

Hufford & Maebins are now nicely fixed in their new store at 247 Randolph street.

A. Von Boeslager has opened a retail store in the business portion of Mt. Clemens. J. F. S.

LARGE SUPPLY

OF ALL SEASONABLE STOCK
EXCEPTIONALLY FINE
**Gardenias, Roses and
Carnations**

JOHN KRUCHTEN

162 N. Wabash Ave., Phone Central 6269 CHICAGO

E. F. WINTERSON CO.

166 N. Wabash Ave.,
CHICAGO

Orders for Cut Flowers and Greens will receive our prompt attention.

**Cut Flowers
AND GREENS**

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

Mention the American Florist when writing

Albany, N. Y.

Easter, 1912, has gone into local records as an exceptionally good season. Prices ruled about the same as a year ago and in general it may be said that the retailers had little difficulty in getting all the supplies of plants and cut flowers they needed. All the dealers were cleaned out of stock by noon of Easter and about all that remained were large sizes of special plants and a few varieties that did not take. Some dealers reported that they had an extraordinary call for small plants and could have sold many more had they been able to procure them quickly. The plants that sold the least readily were hydrangeas, the demand for which in this market has become very low at Easter, rhododendrons and azaleas of large size. The cut flowers for which there was the least demand were carnations and many varieties of roses. The demand was strongest for violets, violet sweet peas, lily of the valley, gardenias, orchids, daffodils, and some of the better known bulbous stock. A more than usual demand for corsages was noticed and the large numbers worn on the streets were ample proof of the extraordinary demand which in a measure surprised the trade. Fancy baskets of combination plants to sell from \$3 to \$7 each were in good demand and proved to be one of the best drawing cards the retailer could have. The total sales were ahead of last year but an estimate of the percentage is diffi-

cult because very few of the dealers have finished posting their accounts for the week preceding Easter. There is no doubt, however, that Easter trade here is growing steadily from year to year and the florists are finding it quite a problem in the conduct of their business to devise a store system that will work effectively during the rush season.

NOTES.

At the regular meeting of the Florists' Club on the evening of April 11 at the establishment of Louie Marx, 1054 Madison avenue, Walter S. Martin, Troy, and Morris Cohen, New York, were elected members. Frederick Goldring started a discussion on the subject of the state's awarding compensation to growers whose stock is seized and destroyed by inspectors of the department of agriculture in the course of their duties. Such compensation is granted in this state to farmers whose cattle are condemned for tuberculosis. Mention was made also of the Simmons bill before congress which makes it necessary for the importer to secure a permit from the Department of Agriculture before importing stock from abroad. The secretary was instructed to write the state and national bodies for their views on these matters. Following the business session and discussions, refreshments were served and a pleasant social time brought the meeting to a close. President F. A. Danker announced that at future meetings he will endeavor to

have specialists deliver short addresses on various topics of trade interest. It is probable that at the May meeting the speaker will be Prof. E. P. Felt, state entomologist, who will be asked to describe some of the insect pests that trouble the growers and the best means to combat them.

A prize of \$5 has been offered by the board of directors of the Albany Chamber of Commerce for the best garden in connection with any mercantile or manufacturing establishment in the city. The offer is one of the results of the efforts of the Woman's club of the city to stimulate the beautifying of yards, lawns, and vacant spaces throughout the city. The club has a special list of prizes for all classes and different sections of the city.

R. D.

Dallas, Tex.

The Greene Floral Co. did a splendid business Easter week, disposing of 25,000 Easter lilies and thousands of roses, carnations, Dutch hyacinths, snapdragons, Paper White narcissus, freesias, and lily of the valley, the larger part being shipped to florists in Texas as far as El Paso, Missouri, Oklahoma and Arkansas. The greenhouses are in excellent shape and they will commence cutting Spanish iris outside this week. Their new quarters are very handy, being situated within reach of all the local florists.

ABYDOS.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
 66 E. Randolph Street, Phone Central 1496. CHICAGO.
Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

Percy Jones

56 E. Randolph St., CHICAGO

Wichita, Kans.

Fair weather, fair prices, good stock and good business briefly is the history of the Easter just passed. Crowding the business into about three days made interesting times for the florist, and caused considerable night work. The volume of trade was some better than last year, which had excelled all previous records. The supply in most lines was ample and the result was moderate prices and a consequent absence of protest against high prices by the customer. Plants sold well. Lilies had first call, with bulb stock and other flowering plants in good demand. Rambler roses in the various colors were good property. Cut flowers were of excellent quality and ample quantity. Roses and carnations led, with American Beauties and lilies closely following. Bulb stock was in heavy supply and met with moderate demands only. Violets were cleaned up. The weather was favorable for shopping and for the handling of stock.

NOTES.

W. H. Culp & Co. were in just right with a large crop of fine Lillium Giganteum, which found ready sale. They made a large display of made-up baskets of plants. This firm rented an extra storeroom directly across the street from their store and used it as an overflow annex. It proved a great convenience in handling the trade and as a delivery basis.

Chas. P. Mueller was heavily stocked with splendid Easter plants, showing fine ramblers, hydrangeas, spiræas, etc. His store display was very handsome and attracted much attention.

John Smith, a "Formerly of Wichita" boy, now with the Lawrence greenhouses, Lawrence, Kans., was a visitor last week.

Marquardt, representing Ralph M. Ward & Co., called upon the trade last week.

G. Kuechenmeister was in with a heavy crop of carnations and roses.

W. I. CHITA.

Tarrytown Horticultural Society.

The Tarrytown Horticultural Society held its regular meeting and smoker March 26. The prize offered by President Wittlinger was awarded to John Heeremans for a vase of gardenias; honorable mention to W. Jami-

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
 Telephone, Central 3284.

Wholesale Flower Markets

CHICAGO, April 17.		Per doz.
Roses, Beauty, specials.....		4 00
" " 36-in.....		3 00
" " 30-in.....		2 50
" " 24-in.....		2 00
" " 15-20-in.....	1 25@	1 50
" " 12-in.....		1 00
" " Short.....		Per 100
" Killarney.....	4 00@	6 00
" White Killarney.....	2 00@	8 00
" Richmond.....	2 00@	8 00
" Prince de Bulgarie.....	6 00@	12 00
" Mrs. Aaron Ward.....	6 00@	12 00
" My Maryland.....	2 00@	8 00
" Perle.....	3 00@	8 00
" Melody.....	6 00@	12 00
" Bride.....	2 00@	8 00
" Bridemaid.....	2 00@	8 00
" Uncle John.....	2 00@	6 00
" Mrs. Jardine.....	4 00@	8 00
Carnations.....	1 50@	3 00
Cattelyss..... per doz.,	6 00@	7 50
Dendrobium Nobili.....	10 00@	12 50
Gardenias.....	2 00@	4 00
Lillium Harrisii..... per doz.,	1 50	6 00@10 00
Callas..... per doz.,	2 00	
Mignonette.....		4 00
Spanish Iris.....	4 00@	6 00
Sweet Peas.....	50@	75
Narcissus.....	1 50@	2 00
Pansies.....		1 00
Stocks, single..... per bunch,	75@	1 00
double.....	1 00@	1 50
Tulips.....	2 00@	3 60
Valley.....	3 00@	4 00
Violets, Single.....		75@ 1 00
Double.....		75
Adiantum Croweanum.....		1 00
Boxwood..... per bunch,		25
Ferns..... per 1000,	2 50@	3 00
Galax bronze.....		1 25
Leucothoe.....		75
Plumousus Siring..... each,		67
Smilax..... per doz.,	2 50@	3 00
Sprengerii, Plumousus Sprays.....	3 00@	4 00

son for cinerarias. C. Barson, Ossining, N. Y., placed on exhibition a vase of a pink seedling carnation which was awarded a certificate of merit, W. Scott, R. Grieve and J. Mooney officiating as judges. W. Gomersall read an instructive essay on "Soil and Fertility" and was accorded a hearty vote of thanks. After the business session had been disposed of the balance of the evening was devoted to entertaining the members of the neighboring societies, of which quite a number were present. The social was thoroughly enjoyed, refreshments, songs and violin selections being heartily appreciated.

G. M.

E. C. AMLING CO.

THE LARGEST,
 BEST EQUIPPED,
 MOST CENTRALLY LOCATED
 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.

68-70 E. RANDOLPH STREET,
 CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale **Cut Flowers**
 Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing



Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
 Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.
 Princeton, Ill.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio

Cleveland

STOCK ABUNDANT.

Stock of all grades and varieties is plentiful and prices are correspondingly low. Carnations have been very abundant but the quality was fine. Roses of all grades are also in very large supply, with the exception of Mrs. Aaron Ward and American Beauty, which are about equal to the demand. Sweet peas are cleaning up nicely and stock is exceptionally good, both pink and lavender. Swainsona and Poeticus narcissus are seen. Easter lilies and callas are moving rather slowly at present and the market is well supplied. The novelties are cleaning up nicely, including stocks, mignonette, calendula, daisies, snapdragon and lupines. Pansies have been in good demand and violets have been a little slow. Greens of all kinds are plentiful. Lily of the valley has been in good demand, and the quality is as good as has been seen on the market. Orchids have been short of the call. Bulbous stock is still with us, but the demand is not large.

NOTES.

Harry Jones, of the Jones-Russell Co., has incorporated a company for the manufacture of a new brand of gum called "Mint-Lax Gum." The factory will be located in Cleveland, with branch offices in New York and Philadelphia. Mr. Jones is the largest stockholder and holds the position of secretary and treasurer. They will also manufacture other brands of gum but Mint-Lax will be the specialty.

It was a record-breaking Easter for cut flowers, every florist reporting an exceptionally good sale of roses, carnations, violets and lily of the valley. Cut lilies sold very well, as did all the novelties.

Fred Witthuhn has joined the ranks of automobile enthusiasts and his son Carl is making daily delivery trips (also joy rides), which he claims is helping business wonderfully.

Mrs. L. Brown, Lake and Detroit avenues, has been very busy with funeral work and reports an exceptionally good Easter trade, particularly in cut flowers.

Frank Brendell, who recently opened a retail store on Loraine avenue, was married on Tuesday, April 9, to Miss Lillian Ehrbar. Congratulations.

Miss Ehrbar of the Ohio Floral Co. has been ill for quite a while, and has just recently recovered sufficiently to appear at the store.

The McCallum Co. were well satisfied with their first Easter in this market and stock of all kinds was very plentiful with them.

Herman P. Knoble and J. M. Strojcek will shortly join the auto squad, each having an automobile, now being finished at the factory. C. F. B.

St. Louis.

SWEET PEAS SUPERSEDING VIOLETS.

The market is in a very poor condition, carnations and roses are in oversupply with but little demand. Violets are about over; a few come in but the keeping qualities are poor and most of the growers have thrown them out; sweet peas are now taking their place for street wear. The weather causes the roses to open up quickly. Some fine outdoor jonquils and daffodils are coming in. Greens are in good demand.

Wholesale Flower Markets

CINCINNATI, April 17.

Roses, Beauty.....per doz.,	50@	4 00
"	Per 100	
"	Bride, Bridesmaid.....	3 90@10 uu
"	Killarney.....	3 30@10 00
"	My Maryland.....	3 00@10 00
"	Perle.....	3 00@ 8 00
"	Richmond.....	3 00@ 8 00
"	Taft.....	3 00@ 8 00
Carnations.....	2 00@	3 00
Lilium Giganteum.....	10 00@	12 50
Callas.....	10 00@	12 50
Lily of the Valley.....	3 00@	4 00
Jonquils.....	2 00@	3 01
Sweet Peas.....	35@	50
Violets, double.....		50
Adiantum.....		1 00
Asparagus Plumosus.....per bunch,	25	
Asparagus Sprengerii.....per bunch,	25	
Tulips.....	2 00@	3 00

St. Louis, April 17.

Roses, Beauty, medium stems.....	25 00@	30 00
"	short stems.....	2 00@ 4 00
"	Bride, Bridesmaid.....	3 00@ 4 00
"	Killarney.....	3 00@ 6 00
"	My Maryland.....	3 00@ 6 00
"	White Killarney.....	2 00@ 6 00
Carnations.....	1 50@	2 00
Callas.....	10 00@	12 50
Easter Lilies.....		10 00
Peas.....	40@	60
Valley.....	3 00@	4 00
Violets, Single.....	35@	50
Asparagus Sprengerii.....	2 00@	3 00

NOTES.

The Florists' Club met Thursday, April 11, at Odd Fellows' Hall. Robert J. Windler in the chair. As usual the April meeting was very poorly attended, as this is the planting-out season and many were too busy to attend, so there were only 14 members present. E. W. Guy led the discussion of raising cut flowers in summer, followed by Frank Fillmore, W. J. Pilcher and others. At the next meeting J. F. Ammann will read an essay on "The Relations of the Grower with Retailer and Wholesaler." Dr. Halsted will reply as the grower, W. H. Smith as the wholesaler and Otto Sanders as the retailer.

The board of trustees of Shaw's Garden have decided to open the Garden every Sunday afternoon from May 1 to December 1. The annual fall chrysanthemum show will be given in the new house now being erected in place of the tent which blew down and ruined the plants last year.

Mrs. Mary Ostertag will remove from Delmar boulevard and open her store at Sarah and Chouteau avenues, which is a good location, there being no florist in that locality.

C. A. Kuehn is handling some fine lily of the valley, carnations and roses. His stock is strictly fresh and his growers with but few exceptions are all daily consignors.

Mullanphy, Florist, has made a standing offer of a very handsome bouquet to every Cardinal making a home run on the Robison field.

Grimm & Gorly had a special sale of sweet peas at five cents per bunch, and any carnation in the house for two cents.

What the growers should do with the glut and to prevent such ruinous prices is becoming very important.

The Alexander Floral Co. will build a new house 12x100 feet for growing specimen chrysanthemum blooms.

Geo. H. Angermueller is handling some exceptionally fine smilax, some strings measuring eight feet long.

—THE—

J. M. McCullough's Sons Co.,
 Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 534.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., **ST. LOUIS, MO.**

Supplies and Everything in Season always on hand

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,
 1312 Pine St., **ST. LOUIS, MO.**

A Complete Line of Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT
 FLOWERS and Jobbers of
 FLORISTS' SUPPLIES.

Columbus, Ohio

C. E. CRITCHELL

34-36 Third Ave. East, **CINCINNATI, O.**

Wholesale Commission Florist
 Consignments Solicited

Complete Stock of Florists' Greens and Supplies

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

SPECIAL
 Low Price **Prepared Cycas Leaves**

100 best quality assorted sizes, 20 in. to 40 in. long, for \$6.25. Other Florists supplies at equally low prices. Write for list.

GEO. H. ANGERMUELLER,
 Wholesale Florist,

1324 Pine Street, **ST. LOUIS, MO.**

J. R. Steiniki had his greenhouse badly shattered by hail but was fully insured. W. F.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

Washington

VARIABLE WEATHER.

Since the great rush of Easter is over there has been a chance for florists, both growers and retailers, to think of something else. The growers are planting carnations in the field and some of the retailers have many orders for spring planting of shrubbery and other work on private estates incidental to the season. The filling of window boxes for hotels and other public buildings as well as many private houses has also been quite an item in last week's work. The great stock of hydrangeas on hand fits admirably into the window box situation. We note that some geraniums are also being used, but it is too early, even in this comparatively southern latitude, to plant out geraniums. The weather is too freakish. As an instance, on April 12 the noon temperature was 86°, on April 13 it was down nearly to 50°. On the next day it warmed up somewhat in the afternoon, but soon got cloudy.

NOTES.

Elmer Mayberry of the firm of Mayberry & Hoover and ex-president of the Florists' Club was knocked down by an automobile driven by a woman on the afternoon of April 12 and is confined to his home suffering from shock and numerous cuts and bruises. Mr. Mayberry was crossing Fourteenth street at the intersection of Rhode Island avenue, near his store, when the accident occurred. There are several florists in Washington that might have been hit by an automobile without the fact causing great surprise, but he is noted as a particularly careful man both in his daily walk and conversation. The possible solution is that women drive automobiles the way they throw stones—and hit something else.

The Daughters of the American Revolution are in session here this week and there should be considerable decorative work resulting. If the "olive branch of peace" was a commercial article it should find a ready sale among the daughters, for some of them can start a fight in less time than it takes Minority Leader Mann to get one going in the house of representatives. But unlike Mr. Mann, they weep and kiss and present the "olive branch." It is all very affecting.

The stock of plants grown and sold by the Gude Bros. Co. was simply immense and of fine quality. One of the sights of the days before Easter was one of the largest sized auto trucks transporting their plants from the Anacostia range to their F street store. Of the many good features of their stock, none were more noteworthy than their large rhododendrons. Both their wholesale and retail trade in plants and cut flowers was heavy.

Chas. Milburn, who has been with J. H. Small & Sons for the past year, has accepted a position on the estate of ex-Governor Warfield of Maryland. Mr. Milburn is a capable and companionable man and will doubtless become popular among the Baltimore florists. He is a member of the Florists' Club of Washington, and has been a regular attendant at the meetings.

There is considerable doing in the lines of decoration and funeral work. For the funeral of Clara Barton, April 14, founder of the American Red Cross Society and often spoken of as the

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 3209. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.



A Good Place to Buy Cut Flowers.
Palms, Ferns

Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, April 17.

Roses, Beauty..per doz., 1 00@ 5 00	
.. Killarney.....	2 00@ 8 00
.. Richmond.....	2 00@ 8 00
.. White Killarney	2 00@ 8 00
Carnations.....	1 00@ 3 00
Lilium Giganteum.....	4 00@ 8 00
Lily of the Valley.....	3 00
Daffodils.....	3 00
Poeticus.....	2 00
Tulips, Single.....	3 00
.. Double.....	4 00
Violets.....	50@ 75
Adiantum.....	1 50.
Asparagus.....per string,	50
.. Sprengerl, per bunch,	35@ 50
Ferns, Fancy.....per 1000,	2 50
Galax, green.....per 1000,	1 50
.. bronze.....per 1000,	1 50
Bxwond.....per bunch.....	25
Sweet Peas.....	50@ 1 00

"angel of mercy," there were appropriate designs. At the time of her death Miss Barton was over ninety years old. Her body was taken to Oxford, Mass., the home of her childhood, for burial.

John I. Raynor and wife of New York on their return from an extended trip to Cuba and other southern points, spent Easter here. Both are well and thoroughly enjoyed their trip. The force of old habits are strong and on the night before Easter Mr. Raynor was found looking over the stock in the retail stores.

Adolphus Gude and wife will go to Los Angeles, Calif., for the meeting of the Supreme Council of the Nobles of the Mystic Shrine, April 27. As Mr. Gude is one of the men who sees things when he travels, a faculty that everybody does not possess, we expect him to be good for a column interview when he returns.

At the large new store of J. H. Small & Sons there was an elegant display of pot roses and other fine stock. This store is admirably adapted to holiday business and window dis-

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH.

Everything in Cut Flowers, Greens, Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.
Mention the American Florist when writing

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

play. At their old store there was also a heavy business.

Z. D. Blackstone's store was very attractive and a large force was kept busy, in fact sleep was not on the programme for any of the florists the night before Easter.

Business was good at W. Marche's. It is at this store, about Christmas and Easter that Papa Chris. Schellhorn quits being a gentleman of leisure and wades into work.

There was no April meeting of the club. The early evening brought a little inclement weather. A smjoPETAI little inclement weather and only four members appeared.

Geo. H. Cooke was practically sold out of everything by noon of Easter and had to put on two extra autos to make his cut flower deliveries.

A. B. Garden disposed of a large stock of plants and cut flowers and expressed himself as well satisfied with Easter trade.

John Robertson was another florist who was too busy to talk much which was taken as a sure sign that his business was good. A. F. F.

Dagger Ferns, per 1000, \$2.00

Good, clean stock—no waste. The Best Ferns we ever handled. Special price in case lots.

500 Fancy Carnations, \$12.50

Our selection of colors, such varieties best suited for shipping. Big value.

THE LEO NIESSEN CO.,

Wholesale Florists,

12th and Race St., PHILADELPHIA, PA.

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock.

Also Asp. Plumosus Nanus Seed from my own plants. WRITE FOR PRICES.

W. H. ELLIOTT,

Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

Philadelphia.

SOCIAL FUNCTIONS KEEP BUSINESS LIVELY.

The past week has been a busy one between the clearing up after the rush and caring for the numerous weddings and small dances which used up quantities of flowers, and the trade has kept moving lively. There are quantities of flowers—Easter lilies—that did not make the holiday to be had in unlimited quantities at buyer's figures. Roses are in plentiful supply of excellent quality. American Beauties are offered freely at quick-moving prices. Carnations are not in over-supply and white command good prices. Sweet peas are in demand and sell as well as anything. There is a trifle too much snapdragon and prices rule low. Violets are about done; this week will certainly see the last of them. The supply of lily of the valley is about equal to the demand again. Cattleyas are in good demand and prices hold well. Greens have taken on a new growth and are in full supply and quite equal to the demand. Southern daffodils are having their innings and the street men handle them in large quantities. The cool weather of last week was very favorable, flowers arriving in excellent condition.

NOTES.

Malcolm Franklin of this city has given a contract to the Lord & Burnham Co. for a house 72x600 feet, practically a duplicate of the new house of the Joseph Heacock Co. at Roelofs. The ventilating sash will be operated by the rack and pinion apparatus, using chain gears, and the house will be connected to the power house by a passage eight feet four inches wide by thirty feet long. This house is to be erected on a farm recently purchased by Mr. Franklin near Yards, Pa. Work is to commence at once, so that roses, which are to be the specialty, can be planted for the coming season's forcing. Mr. Franklin is an amateur with a love for flowers and is now going into the commercial end of flower growing in competition with others as a business.

The new house of the Joseph Heacock Co., 72x600, is going up with great speed, being now ready for the glass, and in a couple of weeks will likely be planted. This is certainly rapid work, as scarcely more than a month ago the order for the house was not given. Since that time the contract has been signed and the house practically completed. The Lord & Burnham Co. certainly have a great organization.

E. J. Fancourt of the S. S. Pennock-Meehan Co. shows with pride a new line of iridescent ribbons in colors suitable to arrange with any flower. They certainly add style to any floral arrangement.

One of the features at Leo Niessen Co.'s is choice lilac—very fine stock it is—and for which Mr. Niessen says there is a constantly growing demand.

Wholesale Flower Markets

PHILADELPHIA, April 17.		Per 100
Roses, Beauty, extra	.....	20 00@25 00
" " first	.....	8 00@12 00
" Brides and Maids	.....	4 00@10 00
" Killarney	.....	4 00@15 00
" White Killarney	.....	4 00@15 00
" Liberty	.....	4 00@15 00
Callas	.....	10 00@12 00
Cattleyas	.....	35 00@50 00
Daffodils	.....	2 00@3 00
Gardenias	per doz., 2 00@	3 00
Lilium Harrisii	.....	8 00@10 00
Lily of the Valley	.....	3 00@ 5 00
Marguerites	.....	75@ 1 10
Mignonette	.....	3 0 @ 4 00
Narcissus Paper White	.....	1 50@ 2 50
Snapdragons	.....	8 00@12 00
Sweet Peas	.....	50@ 1 00
Tulips	.....	2 00@ 3 00
Violets, single	.....	75@ 1 00
" double	.....	75@ 1 00
Adiantum	.....	1 00@ 1 50
Asparagus	par bunch, 50	
Smilax	.....	15 00@20 00

BOSTON, April 17.		Per 100
Roses, Beauty, best	.....	20 00@35 00
" " medium	.....	12 00@25 00
" " colla	.....	2 00@ 4 00
" Bride, Bridesmaid	.....	2 00@ 6 00
" " Extra	.....	6 00@12 00
" Killarney and Richmond	.....	4 00@12 00
" My Maryland	.....	4 00@12 00
" Carrot	.....	6 00@12 00
Carnations, select	.....	1 00@ 3 00
Callas	.....	8 00@12 00
Cattleyas	.....	35 00@50 00
Gardenias	.....	12 00@20 00
Lilium Longiflorum	.....	8 00@12 00
Lily of the Valley	.....	2 00@ 4 00
Narcissus, yellow	.....	1 00@ 3 00
" white	.....	1 00@ 3 00
Sweet Peas	.....	1 00@ 1 50
Smilax	.....	12 00@16 00
Snapdragon	.....	6 00@ 8 00
Violets	.....	35@ 75
Mignonette	.....	3 00@ 6 00

Robert Craig Co.'s pots of lily of the valley, a side line, were quick sellers. They were right in it with rambler roses in trained baskets, globes and umbrellas which sold well.

Azaleas were the feature at W. K. Harris', they supplying three-fourths of the stock that was sold in the city. Gardenias were also a feature.

J. W. Colfesh had a house of cinerarias, and another of genistas that found ready sale. Bulbous stock was also a feature.

W. J. Baker and Bernheimer both gave glowing accounts of their Easter business and were well satisfied with the results.

George Anderson's hydrangeas were fine. He can give them all a yard or two and win out without half trying.

Berger Bros. are still handling double violets, but say this week is likely to be the last. K.

WILMINGTON, DEL.—M. F. Hayden has opened a store in the arcade of the Du Pont building.

Cincinnati.

A GREAT OVERSUPPLY.

Business is very quiet. The warm weather has brought in the flowers at a very fast rate. The demand, however, instead of keeping up with the supply moved in the opposite direction until now the trade is very quiet. The offerings of every kind of flowers are large and the quality very good. A lot of it moves only at the greatest of sacrifice prices. Considerable surplus stock is being thrown into the market and serves only to make matters worse. Some very good belated bulb stock that missed Easter is arriving in every shipment. This consists principally of tulips. In short the supply of practically everything is large; the only exceptions are American Beauties, especially choice or first quality and lily of the valley. A few very good gladioli are included in the offerings and are picked up quickly.

NOTES.

C. E. Critchell is finding that the demand for fancy ferns is keeping up steadily in spite of the short call for cut flowers. His storage stock is coming out in fine shape.

Emmet Suttiniller of the J. M. McCullough Son's Co. has switched his allegiance from the cut flower to the seed department while the latter is in its busy season.

Lawrence Fritz of C. E. Critchell's says farewell to his bachelor days on Saturday evening of this week when he weds a Newport girl.

"Bob" McDonald of P. J. Olinger's has been on the sick list for several days.

P. J. Olinger left Monday morning for a short stay in Chicago.

Visitors: Ellis Woodworth, representing the Sefton Mfg. Co., Chicago; Mrs. Mulford, Lebanon; J. Lodder, Hamilton; Joseph Goldman, Middletown. H.

Boston.

FEAST FOLLOWED BY FAMINE.

The holiday as usual has left its aftermath. It is a feast and then a hunger, although the appetite was not satisfied. Weddings have contributed to decrease the surplus. Carnations are not plentiful, although the price remains stationary. Roses are not quite as abundant and average good quality. So far this year there have been very few mildewed roses in the market. Violets are almost gone.

NOTES.

In the Co-Operative Market Wm. Cleary, Newton, has some excellent Jacqueminot roses grown in a cool house. These roses bring back some memories of by-gone days when they reached the \$1.25 mark each.

A. S. Parker has a few violets left he also has good candytuft which is somewhat rare for this season.

REMOVAL NOTICE

WE wish to inform all our customers that owing to the large increase in our business we were compelled to secure larger quarters for our Pittsburg store and are now occupying the entire double building at 139-141 7th Street, where our facilities for handling Cut Flowers and Florists' Supplies are much improved. We always have any flower that is on the market and our prices and service is RIGHT.

PITTSBURG McCALLUM CO. CLEVELAND

We are sorry to announce the death of our friend, John Beaton, at Sandwich, N. H. It was a general breakdown following the long attack of rheumatism. For the past twenty-two years he had been in the employ of R. & J. Farquhar & So., in charge of the counter department. Of a sunny disposition, he endeared himself to more florists and private gardeners than any one in the trade in New England. Jack, as he was familiarly called by his friends, came from Aberdeen, Scotland, and was 45 years of age. His ready smile and pleasant manner will be missed at his old post.

Arthur Capers, Wellesley, has had excellent results from his two-year-old Pink Delight carnations. They were cut back hard in June and left in the same soil with a mulch added. The house grown in this manner is the best he ever had.

W. W. Tailby met with a serious accident Thursday, April 9, falling down stairs with a child in his arms. The child was unhurt, but Mr. Tailby received a broken hip and other contusions which will lay him up for some time. MAC.

Milwaukee.

A GLUT OF CARNATIONS.

The market fell off the past week with carnations a glut to the limit. Enchantress did not move very well and it seemed as though every grower was right on crop and this naturally had a tendency to overstock the market. The prices on other varieties cheapened under these conditions. Roses were also plentiful and sold at reasonable figures. The weather helped things along as it opened up the stock so that it did not have the keeping quality that it has possessed for the past months. Sweet peas and violets were plentiful and sold at reasonable figures. Smilax is very scarce in the market and it was hard to obtain at any price. There were plenty of other greens to fill all orders.

NOTES.

J. M. Fox & Son had a fine Easter trade and cleaned out their entire stock of blooming plants and flowers and have been kept busy right along with weddings and parties.

A. Currie Co. reports seed business fine, also the Easter trade, with which they say they were more than satisfied.

Mitchell Street Florists report a fine Easter trade and they cut a great many of their own carnations for both Palm and Easter Sunday.

The bowling scores this week were as follows:

G. Pohl. 149 205 135	G. Rasch. 182 156
C. Guthr'd. 120 156 144	P. Nohos. 144 135 122
G. Humkel. 94 123	R. Currie. 131 135
W. H'ld'y. 122 157 120	W. Schmitz. 145 163
L. Manos. 131 124 124	Oestreichr. 96 128 138
N. Zweifel. 159 165 149	

G. R.

Wholesale Flower Markets

BUFFALO, April 17.		Per 100.
Roses, Beauty, special.....	40	00@50 00
" " tency	30	00@35 00
" " extra.....	15	00@20 00
" " No. 1.....	10	00@12 00
" " No. 2.....	3	00@ 5 00
Bon Silene.....	3	00@ 4 00
Perle.....	5	00@ 8 00
Maid and Bride	4	00@ 8 00
Pink Killarney.....	3	00@10 00
White Killarney.....	3	00@10 00
Richmond.....	5	00@10 00
My Maryland.....	3	00@ 8 00
Carnations.....	1	50@ 3 00
Callas.....	8	00@10 00
Daffodils.....	2	00@ 3 00
Daffodils, Single.....	2	00@ 3 00
Lilium Longiflorum.....	10	00@12 51
Lily of the Valley.....	3	00@ 4 00
Mignonette.....	3	00@ 4 00
Myosotis.....	15c to 35c	per bunch
Narcissus Paper White.....	2	00@ 3 00
Romans.....	2	00@ 3 00
Sweet Peas.....	75¢	1 25
Tulips, Yellow and White.....	2	00@ 3 00
Violets.....	40¢	60
Adiantum Croweanom.....	75¢	1 50
Asparagus, per bunch.....	35¢	50
Asparagus Spreageri.....	35¢	50

PITTSBURG, April 17.		Per 100.
Roses, Beauty, special.....	30	00@40 00
" " extra.....	15	00@25 00
" " No. 1.....		10 00
" " Bride, Bridesmaid.....	2	00@ 6 00
" " Chatsway.....	2	00@ 6 00
" " Killarney.....	2	00@ 6 00
" " My Maryland.....	2	00@ 6 00
" " Richmond.....	2	00@ 6 00
Carnations.....	1	50@ 2 00
Castileys.....		50 00
Lilium Longiflorum.....	10	00@12 00
Lily of the Valley.....		4 00
Oncidiums.....	3	00@ 4 00
Sweet Peas.....	25¢	50
Violets, single.....		25
" " double.....		30
Adiantum.....		1 00
Asparagus Spreageri, per bunch.....	35	
" " sorava ..per bunch.....	35	

Pittsburg,

LILIES A GLUT.

Hardly had Easter passed into history when such a lot of flowers came into the market that they filled every corner. This especially was true of roses. Of course prices dropped to a pretty low level. The demand and quality of violets and sweet peas continue very good. Lilies were a glut and brought very low figures.

NOTES.

The McCallum Co. are very busy moving to their new location on Seventh street. The new quarters are a great improvement over the old. In answer to inquiries, "How is the Cleveland store doing?" they state they put on a new delivery truck last week.

The big Packard truck that brings the cut flowers from Bakerstown was held up a couple of mornings, which caused considerable inconvenience to the Pittsburgh Cut Flower Co., more



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists, BUFFALO, N. Y. Florists' Supplies and Wire Designs.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

noticeable, as it always had been on time before.

A. C. Miller of Duquesne states that he has built up a nice business since they opened the first flower store in the town two years ago.

Randolph & McClements are very busy moving into their new location on Penn avenue.

Wm. Drews of Braddock has been laid up for some time, but is able to be about again.

The South View Floral Co. is cutting a fine crop of carnations and roses of all varieties.

H. C. Buchler has started a florist store in Braddock. J.

LEBANON, PA.—C. C. Yost will move into a new store at 162 North Eighth street which is being fitted to accommodate his increasing trade.

BOSTON, MASS.—The Horticultural Club held its last dinner and meeting of the season at the Parker house April 11. Addresses were made by A. Kakuda of Yokohama, Japan; C. W. Scott of New York, and others.

New York.

A DROP IN PRICES.

The very unfavorable conditions that are seen in the wholesale cut flower market at present seem to be the general thing after a holiday. Flowers of all kinds have been over plentiful and the demand light, even the fine weather which permits the street men to get out, has made no apparent effect on the great amount of stock which is in the market. Prices have gone all to pieces and there is nothing at present in the market that does not far exceed the demand. Orchids, especially cattleyas, are being sold at the lowest prices of the season and gardenias the same. The finer grades of Killarneys, Mme. Chatenay, Radiance, Mrs. Aaron Ward and Richmond, which have been selling so well heretofore, are now being carried over from day to day. Special American Beauties and Ulrich Brunners are in over supply. The finer grades of carnations are accumulating everywhere. Bulbous stock with the possible exception of lily of the valley is being disposed of at very low prices. Sweet peas of the very best quality are in quite sufficient supply to satisfy all demands. Violets are of very poor quality and are sold at very low figures by the box just as received. Lilies are selling for about half the prices of a week ago.

NOTES.

The interesting event of the week was the celebration of the arrival of Joseph Schenck. At the offices of Traendly & Schenck an elaborate luncheon had been provided by his father, Charles Schenck, who entertained his many business friends in a most generous manner. "Johnnie" Weir was master of ceremonies, and Wm. F. Kasting was toastmaster. Interesting speeches were made by Charles Trepel, S. Masur, Henry Jaeger, Isaac Abrams, Walter F. Sheridan, C. B. Weathered, M. Ford and A. H. Langjahr. Mrs. Sullivan, widow of "Little Tim," insists the boy shall be called "Denis." Following the luncheon and entertainment Frank Traendly took the guests for an automobile ride through the parks and boulevards of the city.

S. S. Pennock-Meehan Co. are making extensive alterations in their new quarters at 117 West Twenty-eighth street, and when completed will have one of the most up to date wholesale establishments in the city. Especial attention is being given the matter of counter room, so that they will now have the opportunity of displaying the fine stock they are receiving to better advantage.

There was an important meeting of the executive committee of the American Rose Society on Thursday, April 11, at the office of Traendly & Schenck, to discuss the matter of a "rose trial garden" at the parks in Hartford, Conn. There were present A. Farenwald, Benj. Hammond, Wallace R. Pierson, Harry O. May and A. Cummings.

Wm. F. Kasting of Buffalo, treasurer of the Society of American Florists, was a visitor, being a delegate to the democratic state convention. Mr. Kasting will be a national delegate to the convention in Baltimore.

James Coyle, who is associated with H. E. Froment, is absent from business through serious illness and will be compelled to take an enforced vacation of several weeks.

It is reported that the Alex. J. Guttman Co., a new corporation, will conduct the floor in the Cogan building that was formerly controlled by Moltz & Co.

Joseph Fenrich of Henshaw & Fenrich has bought a place at Bradley's Beach, N. J., where he will make his home during the summer months.

Satisfaction Guaranteed.

We Never Disappoint.

HENRY M. ROBINSON & CO.

New York.

Boston.

We Handle Stock of 100 of the Best Growers.

Our Specialties Are:

Roses, Aaron Ward, Waddell, Rhea Reid, Lady Hillingdon, Taft, Beauty, Cardinal, Bon Silene, Killarneys, Safrano.

Carnations, Single Violets, Pansies, Valley, Orchids, Gardenias, Sweet Peas, Snapdragons, and all Seasonable Flowers.

We are prepared to ship to all parts of the United States and Canada. Special attention given to all orders. All flowers packed with greatest care in order to insure safe arrival. No charge for packing.

Consignments of First-Class Stock Solicited.

A Square Deal to Both Grower and Retailer.

Write, Wire or Telephone.

HENRY M. ROBINSON & CO.

Wholesale Commission Florists, Importers and Manufacturers of Florist Supplies, Dealers in Hardy Cut Evergreens,

46 West 26th St., Telephone Madison 8510. NEW YORK

Herman C. Steinhoff of Harrington Park, N. J., was in the accident at the time the church floor at that place fell on Sunday and sustained severe internal injuries.

Mrs. Chas. H. Totty, who has been dangerously ill with pneumonia, is now slowly on the road to complete recovery, having passed the critical stage on Sunday.

John I. Raynor and Mrs. Raynor have returned from Florida and are now at Lakewood, making preparations for an extended European trip.

William Plumb of So. Natick, Mass., arrived Wednesday morning from Europe, where he has been on a business trip.

On Friday there was an interesting contest at the bowling alleys for the prizes offered by C. W. Scott, and the final scores were:

Chadwick .212 166 178	Shaw ....138 197 141
Irwin ...155 150 178	Nugent ...121 138 121
Proton ...202 153 148	Scott ....129 125 120
Kakuda ..182 138 143	

On Wednesday the club will visit Rutherford, N. J., and roll a return match game with that team.

Visitors: Benj. Hammond, Fishkill, N. Y.; A. Farenwald, Hillsdale, Pa.; Wallace R. Pierson, Cromwell, Conn.; Wm. Kroeschell, Chicago; L. J. Reuter, Westerly, R. I.; W. F. Kasting, Buffalo, N. Y.

Montreal.

EASTER TRADE SATISFACTORY.

The Easter trade this year was very satisfactory. The supply was sufficient to fill all demands, with the exception of lilies and some cut flowers. The quality was well above the average, notably roses in pots, which were a mass of bloom. Made-up baskets were not so plentiful, but more expensive. Lilies were really good, notwithstanding the hard forcing, and sold out early. The department stores caused some anxiety by displaying lilies and other flowering plants by the thousand, but the florists ought to be convinced by this time that this encourages trade

rather than injures it, for no regular flower buyers purchase their supply at those stores and it is only those who never enter a florist store that are brought into contact with them and are often made regular customers of a florist. All plants were sold, even the bulbous plants sold well after the choicest of the others were gone, but there was little call for palms and ferns. There was a shortage of carnations and later of roses, but there was plenty of other stock of high quality, tulips, daffodils, sweet peas, violets, stocks and marguerites helped to fill the demand. Pansies also were seen. The delivery was greatly assisted by an exceptionally mild spell of weather, which just lasted long enough to finish this most difficult task. There was nothing new except some acacias. Prices of some stock were somewhat higher, but lilies sold the same as ever, 25 cents a bloom and bud, the department stores selling them for 18 cents.

NOTES.

At the meeting of the Gardeners' and Florists' Club A. C. Wilshire told of his experiences in New York at the banquet of the Florists' Club. He had a really good time and was entertained royally and visited the flower markets and saw the sights, piloted by his brother. He also visited most of the growers' establishments and the city parks, all of which were an eye opener to him. Upon motion that the twenty-fifth anniversary of the club be observed in a worthy manner in November a committee was appointed to arrange the details. LUCK.

NEW MILFORD, CONN.—Fred Hoyt & Co. is the new name of the florists' establishment on Treadwell avenue.

RUTHERFORD, N. J.—The greenhouses of Julius Roehrs Co. were opened to the public Saturday and Sunday, March 30-April 1. An admission of 25 cents was charged for the benefit of the Rutherford hospital association.

PHILADELPHIA NEW YORK WASHINGTON
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 WHOLESALERS FLORISTS
 109 West 28th Street, NEW YORK
 Everything in Cut Flowers.
 PERCY B. RIGBY, Treasurer. Everything in Supplies

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Charles Millang
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 1665 } Consignments Solicited

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 Open for Cut Flower Sales at 6 o'clock Every Morning.
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 54 West 28th St. NEW YORK

J. K. ALLEN Wholesale Dealer in
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 Phones, 167 and 4468 Madison Square Open 6 a. m. Daily
 Growers desiring top market price for their flowers should give me a trial.

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 Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pines and Laurel Roping.
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Wholesale Commission Florist, SELLING AGENTS FOR LARGEST GROWERS
 The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited.
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 113 W. 28th St NEW YORK.
CUT FLOWERS
 WHOLESALERS PLANTSMEN AND FLORISTS
 phone 2338 Madison. Shipments Everywhere
 Prompt and satisfactory Consignments solicited

The Kervan Company
 FRESH CUT EVERGREENS
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CUT FLOWERS
 28 Willoughby Street,
 Tel. 4591 Main. BROOKLYN, N. Y.

Flower Colors
 Use our COLOR CHART in describing them.
 PRICE, \$1.00 POSTPAID.
American Florist Co.,
 440 South Dearborn Street. CHICAGO

Wholesale Flower Markets

New York, April 17, Per 100

Roses, Beauty, special.....	15 00@25 00
.. extra and fancy.....	8 00@12 00
.. No. 1 and No. 2.....	2 00@6 00
.. Brides, Bridesmaid, special.....	4 00@5 00
.. extra and fancy.....	2 00@4 00
.. No. 1 and No. 2.....	1 00@2 00
.. Killarney, My Maryland.....	4 00@6 00
.. extra and fancy.....	2 00@3 00
.. No. 1 and No. 2.....	1 00@2 00
.. Richmond.....	1 00@3 00
.. Carnations.....	1 00@2 00
.. Cattleyas.....	20 00@75 00
.. D. Formosum.....	15 00@25 00
.. Freesia.....	1 00@1 25
.. Gardenias.....	10 00@25 00
.. Lilies, Longiflorum and Harrisii.....	4 00@5 00
.. Lily of the Valley.....	2 00@3 00
.. Sweet Peas, per doz. bunches.....	25@ 75
.. Violets.....	10@ 40
.. Adiantum Croweanum.....	50@ 1 00

M. C. FORD
 Successor to FORD BROS.
 Receivers and Shippers of **FRESH FLOWERS.**
 121 West 28th St., NEW YORK
 Telephone 3870-3871 Madison Square
 Mention the American Florist when writing

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Moore, Hentz & Nash,
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Mention the American Florist when writing

HORACE E. FROMENT
 WHOLESALERS COMMISSION
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GUNTHER BROS.
 Wholesale Florists
 110 West 28th Street, NEW YORK
 Tel. 551 Madison Square
 CONSIGNMENTS SOLICITED

This Budding Knife Free



The Unrivaled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employes. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employes) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

713-717 Milwaukee Ave., CHICAGO.

Mention the American Florist when writing

WILD SMILAX

Satisfaction Guaranteed

J. E. PINKSTON, Louisville Ala.

Mention the American Florist when writing

Little Rock, Ark.

The season is very backward, being four weeks late, and many hardy plants died during the severe winter, especially rose bushes which suffered greatly in some places. The heavy rains and floods have caused much alarm and many farmers have not yet ploughed, while a year ago at this time sweet potatoes were up and the cotton seed being planted.

NOTES.

At the Vestal greenhouses the force is working overtime filling orders that have been held since March, and the mail orders increase daily, and unless the warm weather comes too rapidly the trade will surpass that of last year. They have over a half million of young rose plants in every variety, including the newer introductions and a large quantity of soft-wooded stock of good quality. The nursery business has been good and is now nearly over.

P. M. Palez, proprietor of the Vestal retail store, returned last week. He stopped at Chicago purchasing Easter supplies. The Easter business was far in advance of last year; fancy baskets filled with lily of the valley, pansies, lilies and bulbous stock were daintily arranged, and they disposed of 6,000 lilies at the store, many being used for decorations.

J. W. Vestal, who is now 78 years of age, is still very active around the place, but he has been ill and confined to his bed for the last two weeks. ABYDOS.



FANCY FERNS, \$2.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$2.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze Basket, \$2.25; 6 baskets \$7 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

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Mention the American Florist when writing

George Cotsonas & Co.

Wholesale and Retail Dealers



in all kinds of
Evergreens
Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc..



Delivered to all parts of United States and Canada

127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

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We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSES**

E. A. BEAVEN, Evergreen, Ala.

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We Are Now Making Shipments of

Southern Wild Smilax

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALA.

Mention the American Florist when writing

SUPERIOR HANGING BASKETS

E. G. GILLETT
WHOLESALE FLORIST



	10-in.	12-in.	14-in.	16-in.	18-in.
Doz.....	\$1.25	\$ 1.50	\$ 2.25	\$ 3.00	\$ 5.00
100.....	8.00	10.00	17.00	22.00	35.00

131 E. 3rd Ave., CINCINNATI, OHIO.

If Your Stock of

Cut Ferns

is exhausted order from

G. J. Walker, SAVOY CENTRE, MASS.

Dealer FANCY and **Ferns**
in..... DAGGER

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

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Brooklyn, New York.

"WILSON"

345 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hill, N. J.
— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

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Nashville, Tenn.

JOY FLORAL CO.

200,000 Square Feet of Glass.
.... 601 Church St.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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J. B. BOLAND

Successor to Slevera & Boland
FLORIST

60 KEARNEY STREET.

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Brooklyn, N. Y.

Telephon
334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

Chicago.

A. LANGE,

25 E. MADISON ST.

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ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
828 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.

Mention the American Florist when writing



A sign like this in your window will draw good Business now.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

April 23.
Rotterdam, Holl.-Amer., 10 a. m., Hoboken Pier.

April 24.
Mauretania, Cunard, Piers 54 and 56, North River.

April 25.
Celtic, White Star, 12 noon, Piers 59 and 60, North River.
La Savoie, French, 10 a. m., Pier 57, North River.
President Lincoln, Ham.-Amer., 1 p. m., Hoboken Pier.
FROM ST. JOHN, Lake Manitoba, Can. Pac., 12 noon.

April 26.
FROM BOSTON, Cymric, White Star, Charlestown Dock.
From Philadelphia, Manitou, Red Star, 10 a. m., Pier 55.

April 27.
New York, Amer., 9:30 a. m., Pier 62, North River.
Oceanic, White Star, 12 noon, Piers 59 and 60, North River.
Kronland, Red Star, 10 a. m., Pier 61, North River.
Cameronia, Anchor, 3 p. m., Pier 64, North River.
Rochambeau, French, Pier 57, North River.
Sant Anna, Fabre, 3 p. m., Brooklyn Dock.
Italia, Anchor, Pier 57, North River.
FROM BOSTON, Canopic, White Star, Charlestown Dock.
FROM PHILADELPHIA, Prinz Adalbert, Ham.-Amer., 11 a. m., Pier 53.
FROM PORTLAND, Ansonia, Cunard.
FROM PORTLAND, Laurentic, White Star-Dom., 10 a. m.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street.

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L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

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Geo. M. Kellogg Flower & Plant Co.

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Will fill all orders for Cut Flowers, Funeral Designs Wedding and Birthday Gifts that may be entrusted to them

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Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind**

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John Breitmeyer's Sons

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Artistic Designs.

High Grade Cut Blooms.

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D. C.

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Samuel Murray,

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All Orders Given Prompt and Careful Attention
Member of the Florists' Telegraph Delivery.

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Mrs. J. B. Freeman

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Both Phones, 527.

Special attention to Mail and Telegraph Orders.
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Indianapolis, Ind.

Bertermann Bros. Co.
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"Penn, The Telegraph Florist"

Members of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET.

Name Index to Retail Florists

Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Florist Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Hahermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heini & Soo, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Joy Floral Co., Nashville, Tenn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
Lodge, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex, New York.
McKenns, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Bisdocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsis, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 153 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, **DARDSFLOR.**

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

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Personal Attention to all Orders.

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Phone 6404 Madison Sq. 12 West 33d St

Our Motto—THE GOLDEN RULE.

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Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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A. W. Smith Co.

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Largest Floral Establishment in America, Established 1874. Incorporated 1909.

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Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



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McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

Atlanta, Ga.

Atlanta Floral Co.

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Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

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124 TREMONT ST.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

City Index to Retail Florists Filling Telegraph Orders.

Alhany, N. Y.—Eyles, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Maaur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Brettmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
Little Rock, Ark.—Vestals, 409 Main St.
London, Eng.—Wills & Segar.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Newark, Ohio—Chas. A. Duerr.
Nashville, Tenn.—Geny Broa.
Nashville, Tenn.—Joy Floral Co.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard'a, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Hahermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnam St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Louis, Mo.—Young'a, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Helm & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 99 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

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O. C. SAAKES

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Prompt and careful attention to orders from out of town florists. Trade discount.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in **NORTHERN OHIO.**

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

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Writes, Telegraph or Telephona.

Albany, N. Y.

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Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan. Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of **GRAND RAPIDS**

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

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FLORISTS

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Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists Telegraph Delivery.

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Newark, Ohio.

CHAS. A. DUERR,

The Arcade Florist,

Greenhouse
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VESTALS

PAUL M. PALEZ, Mgr.

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All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

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912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

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Hess & Swoboda

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1415 Farnum St.

TELEPHONES
1501 and L 1582

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New Display Rooms. 58 E. Randolph Street
CHICAGO

Flowers Palms Decorations
Rented or Sold

Phones: Randolph 4708. Nursery, Rogers
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Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Baltimore.

FLOWERS PLENTIFUL AT EASTER.

Easter Sunday was cloudy with a slight drizzle about church time, but not enough to prevent people from attending service nor from wearing the new Easter bonnet. After service in the various churches the regular Easter parade took place. Charles street was well filled during the promenade hour. Flowers of many kinds were worn—violets and sweet peas were the favorites and many corsage bouquets of violets had a single gardenia nestled in the cluster of the purple. The altars were banked high with lilies and other flowers—a ceremony which served to attract large numbers to the Lutheran churches was the confirmation of young people. The sale of flowers was great. The Exchange did a lot of business until late Saturday evening. The great abundance of bulbous stock which was exceptionally fine this year and which sold very reasonably injured in a measured the cut flower trade. There really was too much of it this season. Business this week has been a little dull—the reaction after the holiday. A few weddings and small affairs, but nothing to call for a large quantity of flowers.

NOTES.

The meeting of the Florists' Club was very well attended Monday night, April 8. Wallace R. Pierson of Cromwell, Conn., held the interest of those present in his instructive talk upon "Roses." He exhibited vases of White Killarney and Killarney Queen. A vase of Killarney Queen was also shown from J. A. Budlong & Sons Co. Both varieties were fine specimens of these roses. Mr. Pierson expected to visit some of the rose houses in Baltimore, but was hurriedly called away by a telegram and was unable to do so.

SOUTH FRAMINGHAM, MASS. — The Phelps Greenhouses near the state musterfield have been purchased by James Seaver, who will conduct a thoroughly up-to-date business.

NEW LONDON, CONN.—The Horticultural Society will hold three exhibitions this year—an aster show in midsummer, a dahlia show later, and a chrysanthemum and fruit show in the fall.

DAYTON, O.—Warren G. Matthews, the enterprising and popular florist of this city, has leased the new building at 32 South Main street, where he will establish a store handsomely fitted and equipped.

BROOKLYN, N. Y.—Mallon's Flower Shop, William H. Mallon and Charles A. McInerney, proprietors, which was opened at the junction of Lafayette and Fort Greene avenues and Fulton street a few months ago, is a finely equipped establishment and centrally located.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb, Main 1385 A.

.....634 Fourth Avenue.

Mention the American Florist when writing

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

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The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

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Write, Wire or Phone Your Orders to

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1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

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"The Saltford Flower Shop"

Vassar College and Bennett School.

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Nashville, Tenn.

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MYER, FLORIST, 609-611 Madison Ave.
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Colorado Springs, Colo.

Mention the American Florist when writing

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Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

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Budding Knife Free

SEE PAGE 741.

Little Tree Farms

Near Boston

American Forestry Company

Theodore F. Borst, Forest Engineer

South Framingham, Massachusetts

PRICES OF EVERGREENS

Quantity	Transplanted	Seedlings	1000	1000
40,000	15 to 24 inches		\$8 00	\$65 00
150,000	10 to 20 inches		5 50	45 00
215,000	6 to 12 inches		3 25	25 00
100,000	4 to 8 inches		2 00	15 00
400,000	3 to 6 inches		1 50	10 00
528,000	3 to 6 inches		1 50	9 00
707,000	4 to 8 inches		1 00	5 50
4,000,000	3 to 6 inches			4 00
SCOTCH PINE				
9,000	2 to 3 feet	12 00	90 00	
11,000	2 to 3 feet	8 00	60 00	
1,500	2 to 3 feet	6 00	40 00	
5,000	2 to 3 feet	7 50	65 00	
26,000	18 to 30 inches	6 00	50 00	
30,000	10 to 18 inches	4 50	35 00	
2,000	6 to 12 inches	3 00	20 00	
30,000	15 to 25 inches	1 75	10 00	
79,000	3 to 6 inches	75	4 00	
PITCH PINE				
2,000	2 to 3 feet	5 00	40 00	
27,000	12 to 20 inches	3 25	25 00	
7,000	6 to 12 inches	2 00	15 00	
9,000	12 to 20 inches	1 00	6 00	
5,000	8 to 14 inches	80	4 50	
5,000	4 to 10 inches	70	3 00	
BANK'S PINE				
560	3 to 4 feet	7 50	65 00	
368	2 to 3 feet	6 50	55 00	
12,000	1 to 2 feet	5 50	45 00	
10,000	3 to 4 feet	5 00	40 00	
30,000	2 to 3 feet	4 00	30 00	
59,000	1 to 2 feet	3 00	20 00	
AUSTRIAN PINE				
8,000	4 to 8 inches	2 25	16 00	
10,000	8 to 14 inches	1 75	11 00	
28,000	2 to 3 inches	1 00	6 00	
DWARF MUGHUS PINE				
5,000	5 to 10 inches	1 25	12 00	
12,000	2 to 6 inches	1 00	8 00	
NORWAY SPRUCE				
35,000	10 to 18 inches	4 00	30 00	
26,000	8 to 14 inches	3 00	20 00	
57,000	4 to 9 inches	1 50	12 00	
13,000	9 to 14 inches	1 00	9 00	
17,000	6 to 9 inches	90	6 00	
37,000	2 to 4 inches	65	3 00	
WHITE SPRUCE				
4,000	6 to 10 inches	5 50	40 00	
4,000	3 to 7 inches	3 50	25 00	
50,000	4 to 8 inches	1 50	9 00	
50,000	2 to 4 inches	1 00	6 00	
COLORADO BLUE SPRUCE				
6,000	9 to 12 inches	6 00	45 00	
21,000	6 to 9 inches	4 00	25 00	
17,000	3 to 6 inches	2 50	15 00	
19,000	8 to 10 inches	1 75	10 00	
35,000	3 to 6 inches	1 00	6 00	
RED SPRUCE				
3,000	5 to 10 inches	3 00	20 00	
63,000	3 to 6 inches	3 00	3 00	
COLORADO DOUGLAS SPRUCE				
43,000	3 to 6 inches	3 50	25 00	
10,000	7 to 12 inches	2 25	15 00	
65,000	4 to 7 inches	1 25	9 00	
21,500	2 to 3 inches		6 00	
SILVER OR CONCOLOR FIR				
25,000	6 to 12 inches	3 50	25 00	
10,000	4 to 8 inches	2 50	18 00	
30,000	2 to 4 inches	1 75	12 00	
LARCH				
13,000	1 to 2 feet	3 00	25 00	
4,000	6 to 12 inches	1 25	8 00	
JAPANESE YEW				
457	Several times transplanted	12 to 16 inches	85 00	
178	Several times transplanted	8 to 12 inches	50 00	
914	Several times transplanted	4 to 8 inches	30 00	
ARBORVITAE				
38,000	Transplanted	6 to 12 inches	3 50	25 00
HEMLOCK				
15,000	Transplanted	3 to 7 inches	6 00	50 00
12,000	Seedlings	6 to 10 inches	5 00	40 00
10,000	Seedlings	3 to 6 inches	3 00	24 00

PRICES OF HARDWOODS

Quantity	Transplanted	Seedlings	100	1000
8,000	20 to 36 inches		\$5 00	\$40 00
2,000	6 to 18 inches		3 00	20 00
RED OR SCARLET MAPLE				
7,000	18 to 30 inches		4 00	30 00
6,000	2 to 3 1/2 feet		1 75	12 00
12,000	15 to 24 inches		1 50	10 00
BOX ELDER OR ASH LEAF MAPLE				
400	6 to 9 feet		8 00	
1,500	5 to 6 feet		6 00	
1,300	4 to 5 feet		5 00	
2,600	3 to 4 feet		3 50	35 00
1,856	8 to 26 inches			5 00
AMERICAN SWEET CHESTNUT				
528	5 to 7 feet		14 00	
1,091	4 to 5 feet		12 00	100 00
1,175	3 to 4 feet		8 50	75 00
2,700	2 to 3 feet		6 50	50 00
3,000	18 to 30 inches		4 00	30 00
4,800	2 to 3 feet		3 00	20 00
11,600	1 to 2 feet		2 00	14 00
RED OAK				
1,300	3 to 4 feet		10 00	85 00
4,200	2 to 3 feet		6 00	50 00
2,000	6 to 12 inches		3 00	20 00
15,000	20 to 36 inches		2 50	15 00
30,000	10 to 20 inches		1 50	8 00
52,000	8 to 12 inches		1 00	5 50
80,000	3 to 8 inches		75	4 00
BLACK OAK				
6,000	2 to 3 1/2 feet		4 00	30 00
2,000	18 to 24 inches		3 00	20 00
2,000	9 to 18 inches		2 00	15 00
15,000	3 to 8 inches		1 75	12 00
13,000	2 to 3 inches		1 00	6 00
SCARLET OAK				
36,000	5 to 12 inches		3 00	20 00
PIN OAK				
10,000	2 to 3 feet		5 00	45 00
8,000	18 to 24 inches		4 00	35 00
2,000	12 to 18 inches		3 00	25 00
11,000	1 to 2 feet		2 00	15 00
13,000	6 to 12 inches		1 00	8 00
BUR OAK				
3,000	2 to 3 feet		2 00	12 00
10,000	1 to 2 feet		1 50	10 00
TRUE AMERICAN WHITE ASH				
5,000	10 to 24 inches		3 00	25 00
10,000	18 to 36 inches		1 50	10 00
30,000	9 to 18 inches		90	6 00
WESTERN GREEN ASH				
600	7 to 9 feet		10 00	
1,600	5 to 7 feet		8 00	70 00
1,600	3 to 5 feet		5 50	50 00
1,900	18 to 30 inches		4 00	35 00
1,500	10 to 18 inches		3 00	25 00
1,500	4 to 6 feet		6 00	55 00
2,700	3 to 4 feet		4 50	40 00
1,700	2 to 3 feet		3 50	30 00
1,200	1 to 2 feet		2 00	15 00
SYCAMORE-BUTTONWOOD				
450	4 to 7 feet		10 00	
340	2 to 4 feet		8 50	
140	6 to 9 feet		10 00	
888	4 to 6 feet		7 50	
172	2 to 4 feet		5 00	
224	2 to 3 feet		3 50	
160	1 to 2 feet		3 00	
3,500	18 to 36 inches		2 00	12 00
2,500	8 to 18 inches		1 25	8 00
WHITE OR AMERICAN ELM				
15,500	18 to 36 inches		2 00	10 00
3,000	1 to 2 feet		1 00	2 50
8,000	6 to 12 inches		50	1 00
EUROPEAN LINDEN				
1,500	3 to 4 feet		7 00	50 00
7,000	2 to 3 feet		5 00	40 00
7,000	18 to 24 inches		4 25	30 00
12,000	6 to 12 inches		1 25	8 00
TRUE HARDY OR WESTERN CATALPA				
2,200	3 to 4 1/2 feet		5 50	40 00
2,350	3 to 4 feet		5 00	35 00
2,125	2 to 3 feet		4 00	25 00

Large orders are subject to a discount

Little Trees

From a hundred to Twenty Millions Ready to ship you

Highest Tree-efficiency

Drop Postal For trade list

American Forestry Co.
Theodore F. Borst
Forest Engineer
South Framingham, Mass.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

MINNEAPOLIS, MINN.—Jesse E. Northrup, of Northrup, King & Co., is expected home from California this week.

It is proverbial that a hard winter makes a good spring and generally puts the soil in an ideally receptive condition.

CHICAGO.—Prices on the Board of Trade, April 17, for grass seed were noted as follows: Timothy, \$7 to \$14 per 100 pounds.

G. C. ELDERING, of W. J. Eldering & Son, Overveen, Holland, will make his annual tour of the United States, arriving early next month.

SEED POTATOES at Chicago are well cleaned up. Latest prices on the few true Ohio stocks were \$1.75 to \$1.80. Late sorts, true to type, are no longer obtainable.

IN the Chicago onion set district very little seed has been sown, owing to the backward weather conditions. Last year much of the crop was showing above ground March 15.

WATKINS & SIMPSON, the well known seed growers of London, Eng., are inviting friends in the American trade to inspect their extensive trial grounds near the English metropolis while visiting the great international exhibition of the Royal Horticultural Society of England next month.

THE onion set market at Chicago has been a wild one the past week. Reds have gone out of stock, Yellows have advanced to \$2.50 or better, and Whites have followed suit. A \$3.00 figure is expected. There are but few left and some of these are off quality. The whole country seems to be in the market to buy at the advance.

VICTOR JOHANSEN, president and manager of the Victor Johansen Seed Company, Arroyo Grande, Calif., died suddenly of heart disease on the evening of April 8 at his home in Arroyo Grande. It is announced that the business will be continued under the management of his widow, Mrs. Mary Johansen, assisted by her son, Oscar W. Johansen, who has been connected with the business for the past four years.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,
Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Dead Seed Corn.

According to tests made seed corn is said to be from 25 to 75 per cent dead, is the statement made in a circular sent out by the Greater Des Moines booster committee of Des Moines, Iowa, and if farmers wait and plant untested seed it means a failure of at least one-half of the crop or a loss of \$70,000,000. Tests made indicate that it will be necessary to test every ear. In testing 100 ears, from ten to seventy ears may be found that will be safe to use. It will take 1,200 good ears to plant 75 acres.

Seed Corn Germination.

As a result of the dry summer and wet fall, corn did not mature normally over the corn belt and much of the seed does not germinate well. In reply to a request of Secretary Wilson to representative farmers in 17 states, 1708 samples of corn intended for seed have been tested by the seed laboratory of the United States Department of Agriculture, and they show an average germination of 81 per cent.

State	Number of Samples	Lowest Germination Per Cent	Average Germination Per Cent
Virginia	113	5	90.3
Kentucky	69	26	89.8
Missouri	351	2	88.7
Maryland	41	30	87.1
Iowa	141	20	85.4
Pennsylvania	144	0	84.2
West Virginia	55	8	82.5
Kansas	66	0	82.0
Ohio	189	10	80.7
Illinois	175	0	79.8
Indiana	108	0	79.0
Minnesota	106	0	76.1
Michigan	86	1	75.0
Wisconsin	88	0	73.9
Nebraska	100	30	73.1
South Dakota	57	1	64.6
North Dakota	19	0	56.8

The low average germination of the larger corn states show how serious the condition is, many of the samples being practically worthless. Single ear tests should be made where ear corn is used. Not less than two times one hundred kernels of shelled corn that has been well mixed should be tested and the planting regulated on the germination test so that enough live kernels will be planted to give a full stand.

Congressman Page Opposes Free Seeds.

Speech of Congressman Robert N. Page, of North Carolina, opposing the bill appropriating \$260,000 for free seeds for the coming year, March 7, 1912.

"This democratic house has passed bills removing the tariff duty from farm implements, wire and wire fencing, woollen clothes and other necessities. We need to do more, and for that reason, as one, I stand and say today that instead of giving him a

five cent package of garden seeds to remind him of the approach of spring and the congressional primaries, he should be given legislation that he is demanding in the form of parcel posts, and he should be given a fair chance to market his crops under normal conditions without the restrictions of exchanges and speculators upon the market. That is what the farmer in this country wants. He is tired of this bauble, and if those of my colleagues who disagree with me—and I realize, Mr. Chairman, that they are likely in the majority—think this congressional distribution of garden seeds, involving an expenditure of something over \$260,000, out of which they may send their farmer constituents a package of seeds, and at the same time write a letter telling of their activities here—if they think they are going to satisfy him with that, they are mistaken. If they will pass some other legislation, and take out of this bill this paragraph, they will then find that it meets with the commendation and the praise of the men they are supposedly legislating for in this paragraph."

Results of Seed Analysis.

In order to ascertain the value for farm purposes of seeds in Maryland the State Agricultural Experiment Station engaged a man of special training to make germination and purity tests of seed secured from various sources in the state, the results of which are published in Bulletin No. 162 in tables giving the purity, germination and the average percentage of good germinable seed. The tests of small packages for home gardens by the Department of Agriculture showed an average of 62.2 per cent vitality varying from 27.3 per cent to 81.7 per cent and the uniformly low vitality of the seeds from some houses indicate a fraudulent business with those least able to protect themselves. The tests of clover for the two years of 1910 and 1911 showed a great improvement in the quality.

Free Seeds.

Those who hold that free seed distribution should be continued because of its benefits to farmers are not speaking honestly or are not well informed. Free seeds no longer connote agricultural improvement but the politician's graft.—Country Gentleman.

Established 1810.

Denaffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.



C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO, CALIFORNIA

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

THE G. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn.

IF IT IS

Water Melon and Musk Melon Seeds

Get them from

J. FRANK CORRY,

Contract Grower, ENID, OKLAHOMA.
Complete Delivery by Oct. 15, 1912.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. MILFORD, CONN.



H. WREDE, LUNEBURG, GERMANY PANSY SEED

178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.

1000 seeds, finest mixed... 25c
1 oz. ... \$2.25

Price list on application. Cash with order.

FOR

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England.

BURNETT BROS.

Importers and Growers of

Seeds, Bulbs, Plants

and Horticultural Sundries.

Telephone 2223 Cortlandt. NEW YORK
72 Cortlandt Street.
Write for our 1912 Spring Catalogue.

CHOICE

German Flower Seeds

Catalogue free on application.

FREDERICK ROEMER,

Seed Grower, QUEDLINBURG, GERMANY

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

BEANS, PEAS, RADISH and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Write today for Special Trade List, as advance order, 1912 Fall delivery.

JAPANESE SEEDS

LARIX, Pinus, Cinnamomum, Abies, Melia, Etc.

T. AMEMIYA & CO.,

Growers and Importers of All Kinds of JAPANESE SEEDS and LILY BULBS.

Nurseries and Farm Yards:
Kamine, Kitaadachi, Saltama, Japan.

220 Clement Street,
SAN FRANCISCO, CAL.

For Dutch Bulbs

of the highest quality, such as the English trade demands, and absolutely true to name, write to

W. J. Eldering & Son

OVERVEEN, Haarlem, Holland

Mail Address during May:

Seville Hotel, 29th & Madison Ave., New York
Special quotations on large given quantities.

VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries and Export Trade.

HILLEGOM, HOLLAND,

Wholesale growers of the leading sorts of Hyacinths, Tulips, Narcissus, Crocus, Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, Mr. G. HYLKEMA, care of Messrs. Maltus & Ware, 14 Stone St., New York, for Catalogue and Special prices of all

HOLLAND BULBS AND PLANTS.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

THE

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Onion Sets

FANCY RECLEANED HAND

PICKED

Fancy Recleaned Yellow Sets, \$2.50 per bu.

Fancy Recleaned Silver Skin, \$2.50 per bu.

SEED POTATOES

Maine Grown

All Standard Varieties.

J. Bolgiano & Son

Almost 100 Years' Established Trade

Wholesale Seedsmen,

BALTIMORE, MD.

Mention the American Florist when writing

S. D. WOODRUFF & SONS,

ORANGE, CONN. NEW YORK CITY.

Seed Growers and Importers.

Specialties: Beet, Carrot, Sweet Corn, Peas, Beans, Onion Sets and Seed Potatoes. Catalogue free. Quick freight shipments from New York, via rail or steamer to all parts of the U. S.

Mention the American Florist when writing

Asparagus Plumosus Plants

2½ in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

Mention the American Florist when writing

For Tree Seeds, send to Hill, Dundee, Ill.

The proper handling of Tree Seeds requires special equipment, skill and long experience. Some nurserymen, seedsmen and florists who would not for a moment risk buying flower and field seeds from irresponsible growers and dealers, will buy their Tree and Shrub Seeds from "any old firm".

Hill's Tree seeds are handled properly. This is a tree seed firm. Ask for prices on what you want. You will get the best of service.

THE D. HILL NURSERY COMPANY, Inc.
Seed Dept. Box 602 Dundee, Illinois.
Collectors and Contractors Import Export

Killarney and Double White Killarney

Both grafted and own root plants.

Commercial Chrysanthemums

BEDDING STOCK

A. N. PIERSON, Inc., GROMWELL, CONN.

Chrysanthemums

ROOTED CUTTINGS

Ready Now.

750 Smith's Advance, 2000 Mrs. David Syme,
3000 A. Byron, 2500 W. Bonnaffon,
2500 Rosette, 2000 Halliday,
1500 Pac. Supreme, 1500 M. Bonnaffon, and others. Send for list.

WM. SWAYNE,
Kennett Square, Pa.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Budding Knife Free.

See Page 778.



Tuberoses

True Dwarf Pearl

Per 1000

First Size, 4-6-in.....\$ 9 00
Medium, 3 4-in..... 5 00
Mammoth, 6-8-in., "grandstuff"..... 15 00

GLADIOLUS

Mrs. Francis King, 1 1/4 to 1 1/2 inch.....\$17 00
Augusta, 1 1/4 to 1 1/2 inch..... 16 00
America, 1 1/4 to 1 1/2 inch..... 27 50
Kunderl "Glory".....Per 100, \$7 50 70 00
Florist XXX, Mixed..... 15 00
Princeps, The King of All Gladioli...Per 100, \$10 00
Red and Scarlet Shades..... 11 00
Pink Shades..... 13 50



CALADIUMS

(Esculentum)

5-7-inch.....\$15 00 per 1000 7-9-inch.....\$30 00 per 1000

COLD STORAGE STOCK

Valley Pips

Per 1000
London Market.....\$15 00
Premium Brand..... 13 00
Clumps...\$20 00 per 100

Lilium Rubrum

9 to 11.....\$80 00 per 1000

Lilium Auratum

8 to 9.....\$50 00 per 1000
9 to 11..... 80 00 per 1000



Chicago Vaughan's Seed Store New York

I Have Been Dubbed The Dahlia Crank

I do not dislike the title, for I have been informed that it signifies an ENTHUSIAST—and acknowledge that I am. I have carried on a systematic study and trial tests for many years, increasing the list with novelties from abroad and at home, discarding as well as adding—and have at present perhaps the largest list of varieties grown by any one person up-to-date. For want of ground, as well as advancing years I am willing to dispose of much of my stock having a surplus over actual needs. Send for my descriptive list and prices.

E. STANLEY BROWN, Prop., A. G. Trial Grounds East Moriches, Suffolk Co., N. Y.
Mention the American Florist when writing

CHRYSANTHEMUMS

Strong plants, 2 1/4 in. pots, ready now or will make deliveries later. Glen Cove, Unaka, Mrs. David Syme, Witterstatter, Roman Gold, \$7.00 per 100. Smith's Advance, \$4.00, Chadwick Supreme, \$8.00, Chrysolora, \$10.00 per 100. Golden Glow, Crocus, Yellow Jones, Dr. Enguehard, Major Bonnaffon, Jerome Jones, White Bonnaffon, Clementine Touset, Amorita, Charles Razer, White Eaton, White Chadwick, Late Yellow, Late Pink, Virginia Poehlimann, Golden Chadwick, \$2.50 per 100, \$22.50 per 1000. Will exchange for Asparagus, Sprenger, Boston or Scotti Ferns.

ELI CROSS, 25 Monroe St., Grand Rapids, Mich.

Some Fine Stock

Lobelia, Kathleen Mallard, Heliotrope, Best Market Blue, Sallerol Geraniums, Fuchsias, German Ivy. All 2 1/4 and 2 1/2 inch pots, fine stocky plants, \$1.50 per 100; \$15.00 per 1000.

P. J. SCHROEDER, Pine Brook, N. J.

ROSES

See Price-list Ad. page Z26, April 13th.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Ferns.

4-inch heavy stock, \$12.00 per 100. Boston, Barrowsl. and Elegantissima; also 2 1/4-inch Boston, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio
Mention the American Florist when writing.

CHRYSANTHEMUMS

and ASTER SEEDS.

For list and prices see classified advertisement on page 738, this issue.

Elmer D. Smith & Co., ADRIAN, MICH.

Bonfire Carnation

Extra strong healthy R. C., \$4.50 per 100; \$40.00 per 1000. Without question the most profitable red carnation in commerce. Our only red for next winter.

W. W. Coles, Kokomo, Ind.

Boddingtons Quality Cannas.

Are true to name, have two or three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick. The Canna crop this year, however, is very short, and we advise placing orders early to secure stock. Delivery can be made at purchaser's option.

Red-flowering, Green Foliage Cannas

	Per 100	Per 1,000
Alice Roosevelt, 4 ft.	\$3.75	\$35.00
Black Prince, 3 to 4 ft.	2.75	25.00
Duke of Marlboro, 4½ ft.	2.00	17.50
Exploratus Crampbell, 5½ ft.	3.00	17.50
President Meyer, 4 ft.	3.50	30.00

Pink-flowering Cannas

	Per 100	Per 1,000
L. Patry, 4½ ft.	\$2.25	\$17.50
Louise, 5 ft.	2.25	17.50
Mlle. Berat, 4½ ft.	1.75	15.00
Venus, 3½ ft.	4.25	40.00

Bronze-leaved, Red-flowering Cannas

	Per 100	Per 1,000
Musafolia, 3 to 5 ft.	\$2.25	\$20.00
Robusta, 6 to 8 ft.	2.00	17.50
Shenandoah, 6 ft.	2.00	17.50

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. Our Cannas are true to name—two and three, sometimes four eyes—are sound, dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at a thousand rate; it is cheaper for you to buy a box or 250 than 200 at 100 rate. Write for special prices for quantities.

If any Cannas are not found here, it may be understood that they are superseded by the Oregon. If selection is let to us, we will substitute or send only the best for all purposes.

All the Above Cannas sold F. O. B. New York or Chicago.

Chicago and Western Agents for Our Cannas, ONLY: WINTERSON'S SEED STORE, 166 N. Wabash Ave., Chicago

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street, NEW YORK CITY.

Mention the American Florist when writing

ROOTED Carnation Cuttings

	Per 100	1000
Washington	\$4.00	\$35.00
Mrs. C. W. Ward	3.00	25.00
Beacon	3.00	25.00
White Enchantress	3.00	25.00
May Day	.50	0.00
Sangamo	2.50	20.
Enchantress	2.50	20.00
Rose Pink Enchantress	2.50	20.00
Dorothy Gordon	3.00	

250 at 1000 rate. Satisfaction guaranteed.

Will exchange any of the above for 2½ inch Asparagus Plumosus.

DES PLAINES FLORAL CO., Des Plaines, Ill.

Mention the American Florist when writing

Bedding Stock.

A No. 1 Shape. Ready for Immediate Shipment.
250 of any one kind. 2-in. 3-in.

	Per 100	1000	1000
Lemon Verbena	\$2.00	\$18.50	\$3.00 \$25.00
Moonvines, White, Blue	2.00	18.50	3.00 25.00
Petunias, Double Fringed.			
Mixed	2.00	18.50	3.00 25.00
Sage, Holt's Mammoth	2.00	18.50	3.00 25.00
Salvia, Bonfire, Zurich	2.00	18.50	3.00 25.00
Senecio Scandens, Parlor			
Ivy	2.00	18.50	3.00 25.00
Verbenas, 5 varieties	2.00	18.50	3.00 25.00
Hardy Phlox, 10 varieties	2.00	18.50	3.00 25.00

R. VINCENT, JR. & SONS CO., White Marsh, Md.

Mention the American Florist when writing

Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown.

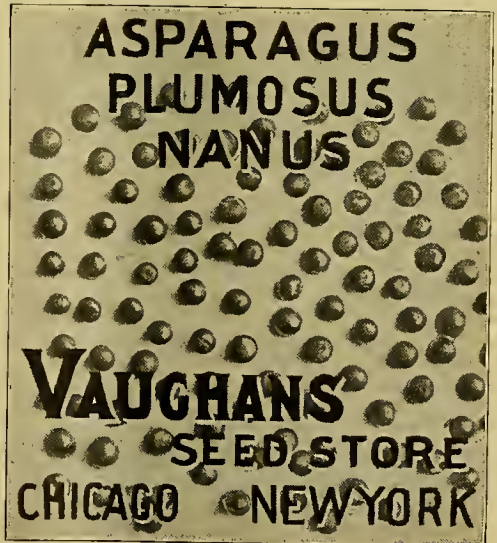
of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$3.50; 5000 seeds at \$3.25 per 1000.

Vaughan's Seed Store

CHICAGO. NEW YORK.

Mention the American Florist when writing



ROSES — 2½ Inch Pots

	Per 100	Per 1000
American Beauties	35.00	\$45.00
White and Pink Killarney	4.00	35.00
1 Year Old Bench Plants.		
American Beauties	5.00	45.00
White and Pink Killarney	4.00	35.00
Asparagus Plumosus Clumps	4.00	35.00

GEO. REINBERG

162 N. Wabash Ave., CHICAGO, ILL.

Mention the American Florist when writing

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rucienik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, April 15.—Mushrooms, 30 cents to 45 cents per pound; radishes, 15 cents to 50 cents per dozen bunches; lettuce, 25 cents to 27½ cents, small cases; cucumbers, \$1 to \$1.50 per dozen.

New York, April 15.—Mushrooms, 50 cents to \$2 per 4-pound basket; cucumbers, \$1 to \$1.25 per dozen; tomatoes, 10 cents to 25 cents per pound; radishes, \$2 to \$3.50 per 100 bunches; lettuce, \$2 to \$2.75 per strap; rhubarb, 50 cents to 75 cents per dozen bunches, \$3 to \$6 per 100 bunches; mint, 50 cents to 75 cents per dozen bunches; beet tops, 75 cents to \$1 per box; shallots, \$2 to \$3 per 100 bunches.

Tomatoes in Canada.

The tomato industry of Ontario dates back to 1881, writes Consul Fred C. Slater, Sarnia, Ont. Since then this industry has increased wonderfully. The acreage for canning factory purposes increased from 800 in 1891 to approximately 8,000 in 1908. During the same period the total number of bushels purchased by the canning factories increased from 132,000 to 1,400,000; the output of cases from 83,000 to 880,000; the cans utilized from 1,992,000 to 21,124,000; and the value of the pack from \$190,000 to \$1,672,000; and the payments to growers from \$26,400 to \$386,600. The number of canning factories has increased during the last five years from 27 to 53. The production is estimated at 400 bushels to the acre and the cost of production at about \$45 per acre, including \$5 rent for land. The seed is imported principally from the United States.

Importation of German Horse-Radish.

American farmers cannot grow horse-radish of first class quality in competition with the horse-radish shipped in large quantities from Hamburg to the United States, writes Consul General Robert P. Skinner, notwithstanding the American import duty of 20 per cent ad valorem, for it is stated that horse-radish cannot be grown by the American producer for less than four cents per pound. The declared value of horse-radish exported from Hamburg to the United States was \$111 in 1909, \$321 in 1910 and \$23,917 in 1911, showing considerable increase from year to year.

The German horse-radish trade has developed considerably within the last few years chiefly in consequence of a thriving export trade. The land is favorable to the cultivation of the crop and while the Germans themselves are perhaps the largest consumers of horse-radish in the world, yet the exports of the root were 4,121 tons in 1911, with a valuation of \$310,352. There is said to be quite a speculative side to the business which resulted in the accumulation of a stock of 10,000 bundles of German horse-radish

in cold storage in New York. In the public markets of Hamburg 16.6 cents is the ordinary retail price of a bundle of 10 sticks of good horse-radish weighing 5.5 to 6.6 pounds, and in the same market 60 sticks can be had for 71 to 95 cents, according to quality. Commission merchants who operate on a large scale naturally secure better terms.

The very best roots come in bundles of 10 sticks, the prices varying between 26 and 33 cents a bundle. Second class sorts in bundles of 10 sticks are worth from 14 to 19 cents per bundle, this sort is also tied up in bundles of 15 or 16 sticks for export trade. Both of the grades are frequently packed loose in bags and sold by weight, the present price being from \$2.85 to \$3.57 per 50 kilos (110 pounds). A third root is made up in bundles of 20 sticks and is usually exported on a commission basis to England, the price depending upon the English demand.

Lima Beans.

From a selling point of view no crop we can produce approaches Lima beans. So far they have always proven "sure sale," which goes a long way in markets of close competition and frequent gluts. The great drawback to this crop is shelling of the beans, as our trade demands them in that shape. This is again in part offset by the reduced load going to market—in fact, quite a respectable load of shelled beans could be hauled in a buggy. We can hire women for shelling—working afternoons and evenings, shelling by piece work, which is necessary to keep costs down. After beans are shelled they rust rapidly, hence we try to do that as late as possible before marketing; further, the beans heat easily if packed too deep; to avoid this we spread them on cloth-covered frames not over one inch deep and leave them in good ventilation until ready to go to market. To shell readily the pods should be quite mature and if wilted a trifle in sun and wind so much the better. A good way to handle them is to use strawberry boxes and crates. We figure to get nine quarts of shelled beans from a bushel of pods and expect each operator to shell a quart in 15 minutes.

As regards cultural methods, these beans are gross feeders. We do not depend on "nitrogen from the air" but feed the crop with manure and fertilizers both. They are very sensitive to drouth, which causes the blossoms to drop, hence we have installed overhead irrigation which has paid on this crop. Being of South American origin one can readily understand why they flourish in showers and heat. Contrary to general belief, we have succeeded well on poor stiff clays if well

enriched. The great trouble is to sprout the seed as these are easily lost in cool, wet weather.

We mark our land in four-foot rows, using a line to get perfect work. By using a wheel hoe with one cultivator tooth we mark and open a narrow slot at one move; into this the seed are stuck by hand, eye down, about 1½ inches apart. We aim to imbue the seed solidly, yet like to see the beans stick out a trifle. If dry we run a roller over the rows. If the weather is hot they come surprisingly fast; we aim to cultivate deeply and thoroughly, hilling a trifle as they grow and as soon as runners show pole them, or rather pole and string them. We prefer part strings for many reasons. By placing poles every eight feet and running a No. 13 wire overhead, we can string much like tomatoes or cucumbers under glass. The strings are less expensive than poles and better, as the vines climb the strings more readily and the pickers later on prefer to gather from strings rather than poles. The ends must be braced, as the load of vines is tremendous. We find it pays to mulch with coarse manure both to feed the crop and to preserve moisture. A patch well cared for should produce in excess of \$500 per acre. The last two seasons have been abnormally dry, which resulted in poor crops generally, hence prices have run high. The bulk of our product last year sold for 30 cents per quart wholesale. In October, if picked before frost and placed in ventilated baskets, crates or hampers in a cool cellar, the beans will keep a long time, three weeks or a month, by which method good prices can always be secured. The bush Limas we do not grow as they do not produce as well as the pole varieties.

MARKETMAN.



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

Pure Culture Mushroom Spawn

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

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

Success in Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Glorinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stock and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Spring Is Here! Stock Up!

Those who ordered last year won't need any urging to buy again. This advertisement is for the other fellow. Now is a good time to learn what Vaughan Quality is. Early orders will receive first attention.



Standard Bay Tree.

BAY TREES BOX TREES

Due to arrive May 1st to 15th.

Prices include tubs.

Standard or Tree Shaped.

Stems	Crowns	Each	Pair
36 in.	24 in.	\$ 7 00	\$13 00
45 in.	26 in.	7 50	14 00
45 in.	28 in.	8 00	15 00
45 in.	30 in.	10 00	18 00
48 in.	34 in.	12 00	22 00
48 in.	40 in.	15 00	28 00

Dwarf Standards

Stems	Crowns	Each	Pair
30 in.	24 in.	\$ 7 00	\$13 00
18 in.	24 in.	7 00	13 00
12 in.	30 in.	7 50	14 00

Pyramid Shaped.

Diameter at Base	Each	Pair
5 ft. high, 24 in.	\$ 8 00	\$15 00
6 ft. high, 26 in.	10 00	18 00

Ampelopsis Veitchii.

(Japan or Boston Ivy.)

	Each	Doz.	100
2-year-old plants...	\$0 15	\$1 75	\$12 00
3-year-old plants...	20	2 00	15 00

Due to arrive April 15th to 25th.

Prices include green tubs. 10 per cent discount if wanted out of tubs.

Standard or Tree Shaped.

18-26 in. stem, 18 in. crown.	\$3 00	\$5 50
18-26 in. stem, 24 in. crown.	4 50	8 00

Pyramid Shaped

Height	Each	Pair
2½ ft. high	\$2 00	\$ 3 75
3 ft. high	2 50	4 50
3½ ft. high	3 00	5 50
4 ft. high	4 00	7 50
5½ ft. high	7 50	14 00

Globe Shaped.

15 in. high, 15 in. in diam.	\$2 25	4 00
18 in. high, 18 in. in diam.	2 75	5 00

Bush Shaped.

Prices do not include tubs.

	Each	Doz.	100
12 in.	\$0 35	\$ 3 60	\$25 00
18 in.	60	6 50	
20 in.	75	8 00	
24 in.	1 00	10 00	
30 in.	2 50	per pair \$4 50	
36 in.	3 50	per pair 6 00	

Clematis Paniculata.

	Each	Doz.	100
2-year-old clumps...	\$0 15	\$1 50	\$10 00
3-year-old clumps...	20	2 00	15 00
4-year-old clumps...	35	3 60	25 00



Pyramidal Box Tree.

Dormant, Two-Year, Field-Grown and Budded Plants unless otherwise noted.

ROSES

All are extra choice varieties. Ask for prices on thousand lots.

Baby Ramblers.

	Each	Doz.	100
Crimson Baby, 2 year...	\$0 20	\$2 00	\$14 00
3 year	25	2 50	18 00
Jessie, 2 year	\$0 35	\$3 50	\$25 00
3 year, selected	45	4 50	30 00
Orleans, 2 year, bushy	35	3 50	
Phyllis, 2 year	\$0 25	\$2 00	\$18 00

Hybrid Perpetuals.

	Each	Doz.	100
American Beauty	\$0 20	\$2 00	\$15 00
Fisher Holmes	20	2 00	14 00
Frau Karl Druschki	20	2 00	15 00
General Jacqueminot	20	2 00	14 00
General Washington	20	2 00	14 00
Hugh Dickson	25	2 50	18 00
John Hopper	20	2 00	14 00
Mme. G. Luizet	20	2 00	14 00
Mrs. John Laing	20	2 00	14 00
Mrs. R. G. S. Crawford	20	2 00	14 00
Paul Neyron	20	2 00	14 00
Prince C. de Rohan	20	2 00	14 00

Hybrid Teas.

	Each	Doz.	100
Caroline Testout	20	2 00	15 00
Gruss an Teplitz	20	2 00	15 00
J. B. Clark	20	2 00	15 00
Jonkheer J. L. Mook (new)	35	3 50	25 00
Kaiserin A. Victoria	25	2 50	18 00
Killarney	25	2 50	18 00
La France	20	2 00	15 00
White Killarney	30	3 00	22 00

Rugosas.

	Each	Doz.	100
Blanche Double de Courbert, white	\$0 20	\$2 00	\$16 00
Conrad F. Meyer, clear silvery rose	20	2 00	16 00
Mad. G. Bruant, semi-double white	20	2 00	16 00
Rugosa Alba and Rubra, single	20	2 00	15 00

Climbers.

	Each	Doz.	100
American Pillar	\$0 30	\$3 00	\$22 00
Baltimore Belle	20	2 00	12 00
Crimson Rambler, 2 yr.	20	2 00	15 00
3 yr. select	25	2 50	18 00
Flower of Fairfield	25	2 50	18 00
Hiawatha	30	3 00	20 00
Lady Gay	30	3 00	20 00
Prairie Queen	20	2 00	14 00
Tausenshon	25	2 50	18 00
Veilchenblau	20	2 00	16 00
White Dorothy Perkins	30	3 00	20 00

Various Sorts.

	Each	Doz.	100
Hermosa	\$0 20	\$2 00	\$15 00
Memorial Roses, white, flesh and pink	20	2 00	15 00
Moss, Double Pink, Red or White	20	2 00	15 00
Persian Yellow	20	2 00	15 00
Soleil d'Or	25	2 50	18 00
Souv. de la Malmaison	25	2 50	18 00

On all orders for Dormant Roses and Vines packing will be charged at cost.

NEW ROSES FOR 1912

Double White Killarney—(Budlong)

The most valuable White Forcing Rose ever offered.

and Killarney Queen—(Budlong)

A cerise pink sport of Killarney.

Own roots	each, 75c;	doz., \$6.00;	100, \$25.00;	1000, \$200.00
Grafted	each, 75c;	doz., 7.50;	100, 30.00;	1000, 250.00

Lady Hillingdon.

An excellent forcing variety of a deep coppery yellow.

Own roots	each, 40c;	doz., \$3.00;	100, \$20.00;	1000, \$150.00
Grafted	each, 40c;	doz., 4.00;	100, 25.00;	1000, 200.00

Sunburst.

An intense shade of golden yellow. Own roots...each, 50c doz., \$5.00

STANDARD SORTS

	Own Roots			Grafted				Own Roots			Grafted		
	Dozen	100	1000	Dozen	100	1000		Dozen	100	1000	Dozen	100	1000
Killarney	\$.85	6.00	55.00	\$2.00	15.00	140.00	Mrs. Aaron Ward	\$.150	10.00	95.00	3.00	20.00	190.00
" Double Pink	2.50	12.00	110.00	3.00	20.00	190.00	My Maryland				2.00	15.00	140.00
" White	1.00	7.00	65.00	2.00	15.00	140.00	and many other kinds too numerous to mention Ask for prices.						

Place your order now and we will ship when you are ready.

ASK FOR OUR SPRING BOOK FOR FLORISTS.

Vaughan's Seed Store, 31 W. Randolph St., CHICAGO. 25 Barclay St., NEW YORK.

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

The Nursery Trade

American Association of Nurserymen
J. H. Dayton, Painesville, O., President;
W. H. Wyman, North Abington, Mass., Vice-
President; John Hall, Rochester, N. Y., Sec'y.
Thirty-seventh annual convention to be
held at Boston, Mass., June 12-14, 1912.

WOOSTER, O.—The Wooster Nursery Co. has increased its capitalization from \$10,000 to \$50,000.

NEWPORT, R. I.—Five acres of rhododendrons will be set along the ocean on the estate of Marsden J. Perry.

OAKLAND, CALIF.—H. M. Sanborn & Company have just paid \$30,000.00 cash for their new nursery at Berkeley.

NEW BEDFORD, MASS.—The shade tree committee has placed an order for 300 trees for planting on the streets.

CUBA, MO.—A number of fruit farms are being planted in this vicinity. Among those getting started are John Cook, late with the University of Chicago.

NURSERYMEN are again seriously affected by a short planting season, summer weather following closely on hard freezing conditions.

LARGER quarters becoming necessary, Verkade van Kleef of the Nova Nurseries has moved to Waddinxveen, near Boskoop, Holland.

MT. HOLLY, N. J.—The Morris Nursery Co. has been incorporated with a capital stock of \$50,000 to operate nurseries. The incorporators are G. Lear and Geo. Achelis of West Chester, Pa., and Fritz Achelis, New York.

BOSTON, MASS.—The Breck-Robinson Nursery Company has been incorporated with a capital stock of \$25,000. The incorporators are Alfred E. Robinson, Charles H. Breck, Joseph F. Breck, Edward O. Hatch and Russell O. Gardner.

THE California Raisin day committee announces the fourth raisin day publicity campaign, the celebration of which has been set for April 30, its purpose being to stimulate the demand for raisins by using them as a staple article of food.

DENVER, COLO.—A. E. Mauff, secretary of the state board of horticulture, predicts a heavy fruit crop from the western slope this year, but the fruit trees in the lower Arkansas valley are in bad shape, having been damaged by the frosts of November. The fruit growers held a meeting at Paonia and discussed the question of forming an association to handle all the fruit grown on the western slope.

BOSKOOP, HOLLAND.—M. Koster & Sons are planting the gardens of the Peace Palace, The Hague (the gift of Andrew Carnegie). They will be when finished one of the finest gardens in Europe, the landscape architect being Mr. Lawson of London. Behind the palace, the outside of which is finished, is an ericaceous garden which includes the different varieties of rhododendrons, deciduous azaleas, kalmias and other members of the erica family, and in the northern part a large nymphæa pond will be constructed.

BERLIN, MD.—The business at the J. G. Harrison & Sons nurseries requires

a force of 150 to 300 persons, with a night and day force, at this season of the year. Every house in Berlin is occupied, but the firm promise to build for people who come, and will make arrangements for them while waiting for the new home.

THE Japanese government is encouraging the planting of willows in Manchuria for the manufacture of willow articles. Seeds and fruit trees are distributed free to natives and Japanese and grape culture is encouraged, a subsidy of \$5,000 for wine making has been made.

A RECENT Bulletin of the Agricultural Experiment Station of the Iowa State Agricultural College entitled "Planning and Adorning the Farmstead," by A. T. Erwin, fully describes the most economical and expeditious way for the grouping of general farm buildings and the adorning of the home and includes a list of the best shrubs and trees for planting and their care in the state of Iowa. It is profusely illustrated with half-tones showing the advantage of proper arrangement compared with wrong methods and also contains plans for the best arrangement of buildings and laying out the grounds around them.



Moon's

A nursery with an enormous collection of thrifty Ornamental Trees & Shrubbery for landscape plantings. Catalogue upon request.
The Wm. H. Moon Co.,
MORRISVILLE, PA.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

SPECIALTIES.

Roses, from 3-in pots. Chrysantheums
Carnations for fall delivery. Smilax. Violets
IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA.

You can work up a good, profitable, permanent business in Evergreens if you have the right kind of stock. A trial order of



Hill's Evergreens

will convince you that we do know how to grow them, and that our business methods and our prices are right. We are Evergreen Specialists—have been in that business for over half a century. Get our Wholesale Catalog and prices.

D. HILL NURSERY CO., Inc.
Evergreen Specialists. Largest Growers in America
Box 404, Dundee, Illinois

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Mention the American Florist when writing

M. KOSTER & SONS

Boskoop, Holland.

The Only Address for the Genuine

KOSTER'S BLUE SPRUCES (*Picea pungens glauca Kosteri compacta*)

Do Not Buy Substitutes

During April and May write to Mr. M. Koster, care of Messrs. Maltus & Ware, 14 Stone Street, New York City.

Write for wholesale catalogue; it will interest you.

BLUE SPRUCES

Carnations

Rose Pink Enchantress, from soil, \$24.00 per 1000.
Enchantress. from soil. \$29 00 per 1000.

	R. C. per 100	1000
White Wonder	\$6 00	\$50 00
Norwood	6 00	50 00
Dorothy Gordon	4 00	35 00

	R. C. per 100	1000
White Enchantress.....	\$3 00	\$25 00
Enchantress.....	3 00	25 00
Beacon	3 00	25 00

	R. C. per 100	1000
Rose Pink Enchantress	\$2 50	\$20 00
Winsor	2 50	20 00

CHRYSANTHEMUMS

	PINK.	R. C. per 100	1000
Gloria		\$2 50	\$20 00
Amorita		2 50	20 00
Dr. Enguehard		2 50	20 00
Pacific Supreme		2 00	15 00
Balfour		2 00	15 00
CRIMSON.			
Pockett's Crimson.....		\$2 50	\$20 00
Schrimpton.....		2 50	20 00
Intensity.....		2 00	15 00

	YELLOW.	R. C. per 100	1000
Crocus, the best yellow. \$4 00 \$35 00			
Yellow Eaton.....		\$2 50	\$20 00
Golden Glow		2 00	15 00
Halliday		2 00	15 00
Maj. Bonnafon.....		2 00	15 00

	WHITE.	R. C. per 100	1000
White Chadwick.....		\$3 00	\$27 50
Lynwood Hall		2 50	20 00
White Eaton		2 50	20 00
Alice Byron.....		2 00	15 00
Touset.....		2 00	15 00
October Frost.....		2 00	15 00

J. D. THOMPSON CARNATION CO., Carnation Specialists. Joliet, Ill.

Carnations

FROM POTS.

Winona and Beacon at \$2.50 per 100, Victory at \$2.00 per 100 and Washington at \$5.00 per 100.

GERANIUMS

Big lot of fine rooted cuttings for delivery about April 15th.

S. A. Nutt at \$11.50 per 1000.
Poitevine and Ricard at \$14.00 per 1000.

COLEUS

Strong rooted cuttings of Golden Bedder, Verschaffeltii and standard assorted at \$6.00 per 1000.

Giant Leaved at \$2.50 per 100.

Asparagus Plumosus

Extra fine stock from rose pots at \$2.50 per 100; \$25.00 per 1000.

SMILAX

Ready June 1st. Extra quality at \$12.50 per 1000.

To avoid delay send cash with the order. Samples of any of the above for ten cents.

ALBERT M. HERR, Lancaster, Pa.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.

Boston Ferns, 5-in., 25c each.

Whitmani Ferns, 4-in., 25c.

Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., \$2.50 per 100.

Asparagus Plumosus, 2-in., \$3.00 per 100.

Cash with order.

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

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000

Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.

Roosevelt, \$6.00 per 100; \$50.00 per 1000.

250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.

	Per 100	Per 1000
Richmond, 2½-in.....	\$12 00	120 00
Sunburst, 2½ in.....	35 00	
Maryland, 2½-in	12 00	120 00
Mrs. Aaron Ward, 2½-in. 14 00	14 00	120 00
Melody, 2½-in.....	14 00	120 00
Mrs. Taft or Prince de Bulgaric, 2½-in	14 00	120 00
Radiance	14 00	120 00

OWN ROOT.

	Per 100	1000
White Killarney, 2½-in.....	\$6 50	\$60 00
Maryland, 2½-in.....	6 50	60 00
Antoine Rivoire, Mrs. Taft, or Prince de Bulgaric, 2½-in.....	8 00	70 00
Radiance, 2½-in.....	8 00	
Melody, 2½-in.....	8 00	70 00
Mrs. Aaron Ward, 2½-in. 8 00	8 00	70 00

Good, Big Clumps of Croweanum, \$10.00 per 100.

Orders are now booked for April, May, June and July delivery. All goods are sold for cash or 30 days on approved credit.

ROSE PLANTS

2½-Pots.

Per 100 Per 1000

American Beauty.....	\$5.50	\$50.00
White Killarney.....	5.00	40.00
Pink Killarney.....	5.00	40.00
Maryland.....	5.00	40.00
Perle.....	4.00	30.00
Richmond.....	4.00	30.00

PETER REINBERG,

30 East Randolph St.,

CHICAGO

Alternantheras Coleus

	Per 100	Per 1000
Red, Yellow, 2¼ pot, April 20th	\$2.00	
Geraniums, S. A. Nutt and 5 varieties from 3 in. pot, April 20th.....	4.00	
Geraniums, 2½, April 20th.....	3.00	
Asp. Plumosus and Sprengeri, 2¼ pots, May 1st.....	2.00	
10 varieties, 2¼ pot.....	\$2.00	
Verbena, 2¼ pot.....	2.00	
Petunias, May 1st.....	3.00	
Canna, 10 varieties, 3 in. pot.....	4.00	
King Humbert, 3 in. pot.....	6.00	
Fansy plants in bud	1.50	

Cash or C. O. D.

Jos. H. Cunningham, - - Delaware, O.

Mention the American Florist when writing

CARNATION CUTTINGS

FOR IMMEDIATE DELIVERY.
STRONG, HEALTHY STOCK.

	Per 100	Per 1000
Washington	\$6.00	\$50.00
Bright Spot.....	6.00	50.00
Mrs. C. W. Ward.....	4.00	30.00
Sangamo	3.00	25.00
Dorothy Gordon.....	3.00	25.00
White Enchantress.....	3.00	25.00
Enchantress	3.00	25.00
White Perfection.....	3.00	25.00
May Day.....	3.00	25.00
Beacon	3.00	25.00
Scarlet Glow.....	3.00	25.00

A. C. BROWN, Springfield, Ill.

GLADIOLI

Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Brencleyensis, Etc.
Lilies, Summer Flowering Bulbs and Hardy Plants.

E. S. MILLER, Wading River, N. Y.

STOCKS

Beauty of Nice, Pink, Red and Lavender, also a fine lot of Snapdragons in colors. The above will be fine for Decoration Day. Out of 2 1/2 in., \$2.00 per 100; \$5.00 for 300.

J. C. SCHMIDT, Bristol, Pa.

Greenwich Horticulturists.

The meeting of the Westchester and Fairfield Horticultural Society was held in Greenwich, April 14, with a large attendance, President Stuart in the chair. C. W. Wills, Greenwich, was elected honorary member; four active members were also elected and eight applications received. The following prizes were received for our fall show: Silver cup, donated by Henry Siegel, Mamaroneck; silver cup, donated by W. I. Herlyn, Mamaroneck; \$15.00 from Frost & Bartlett, Stamford; \$15.00 from R. & J. Farquhar & Co., Boston, Mass.; \$15.00 from Scott Bros., Elmsford; \$10.00 from Marshall & Co., New York. J. Brown, Stamford, offered a prize for best calceolaria shown at the next meeting. P. W. Popp exhibited his new chrysanthemum, "Seven Oaks," and was awarded a certificate of merit. Vote of thanks was given to E. McKenzie for schizanthus, R. Barton for stocks and P. Fairfield for antirrhinum.

James Scott gave a most interesting talk on the relative merit of practical and scientific knowledge of horticulture, which was greatly appreciated by all present. The preliminary schedule for the summer show was given out so everyone can now get busy. OSCAR, Sec'y.

ORANGE, N. J.—The New Jersey Floricultural Society has offered three prizes for the best amateur and cottage garden. The amateur class will include those who employ a coachman or chauffeur, the cottage class those who do their own work. Those having a greenhouse or professional gardener cannot compete.

ROSE STOCK

American Beauty, \$8.00 per 100; \$75.00 per 1000

Rose Queen and Lady Hillingdon, \$20.00 per 100; \$150.00 per 1000.

Bon Silene, Radiance, Killarney and Richmond, \$6.00 per 100; \$50.00 per 1000.

2 1/2 INCH POT PLANTS IMMEDIATE DELIVERY.

Write us for quotation on large blocks.

Chrysanthemums

IMMEDIATE DELIVERY. 2 1/2 INCH POT PLANTS.

Col. Appleton, Montigny, Touset, Gloria, Lady Hopetoun, Miriam Hankey, Monrovia, Mrs. O. H. Kahn and Yellow October Frost, \$3.00 per 100; \$25.00 per 1000.

CHAS. H. TOTTY - - Madison, N. J.

ORCHID SALE

Having purchased of the Dr. Little Estate all of the Orchids in his choice collection, I have now to offer hundreds of Cattleyas, Dendrobiums, Cypripedium Insigne and its varieties at ridiculously low prices. Pans, pots and baskets of 4 to 12 bulbs, at 50c to \$1.00 each. Write for varieties.

A. J. BINLEY, Florist, GLENS FALLS, N. Y.

ORCHIDS

Fresh Stock Just Arrived.

Early potting gives best results. Will ship now. Oncidium Varicosum Rogersii, two grades, all strong bulb plants.

	Per 100.	Per doz.
3 to 4 bulb plants.....	\$100.00	\$15.00
5 to 6	125.00	18.00

G. L. Freeman, Wellfleet, Mass.

ORCHID PEAT

(Osmunda Fibre)

Price Lists and Samples on request.

THE C. W. BROWNELL CO., WALDEN, N. Y.

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H. STANLEY (Late Stanley & Co.), Sandcross Lane, REIGATE, ENGLAND, will ship Oncid. Varicosum and Capt. Loddigesii in April and May. Enquire now.

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The best New and Standard varieties. Send for Wholesale Price List.

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Ferns for Dishes

	per 100	per 1000
2 1/4 in.....	\$3.50	\$30.00
Asparagus Plumosus, 2 1/4-inch, \$3.50 per 100; \$30.00 per 1000. 3-in., \$6.00 per 100; \$50.00 at 1000 rate. Cash with order.		

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Now Ready.

Ask for copy.

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Our so well known pure white waxy Moonvine, bearing flowers very fragrant and as big as a saucer, 2 1/2-in. pots; will make good stock for you to propagate from; \$5.00 per 100.

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Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:
Per 100 1000
12 to 15 lb., light branched, \$1.00 \$ 7.00
15 to 20 lb., 3 or more branches..... 1.50 10.00
20 to 30 lb., 4 or more branches..... 2.00 15.00
2 1/2 to 3 ft., strong, 6 or more branches 3.00 25.00
3 to 4 ft., extra heavy, 8 or more branches, 4.00 30.00
Write for special prices on carload and large orders.

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Joseph Heacock Company's Palms & Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana			
Pot	Leaves	In. high	Each
2½-in.	4	8 to 10	\$ 1 50
3-in.	5	12	2 00
4-in.	5	15	\$0 35
5-in.	6 to 7	18	50
6-in.	6 to 7	21	1 00
Cedar tub	Leaves	In. high	Each
7-in.	6 to 7	34 to 36	2 50
9-in.	6 to 7	40 to 45	4 00
9-in.	6 to 7	42 to 48	5 00
9-in.	6 to 7	48 to 54	6 00
9-in.	6 to 7	5 ft.	7 50

Cocos Weddelliana			
Pot	In. high	Per 100	
2½-in.	8 to 10	\$10 00	

Areca Lutescens			
Cedar tub	Plants in tub	In. high	Each
9-in.	Several	5 ft.	\$7.50

Kentia Forsteriana—Made up			
Cedar tub	Plants	In. high	Each
7-in.	4	36	\$ 2 50
7-in.	4	36 to 40	3 00
9-in.	4	40 to 42	4 00
9-in.	4	42 to 48	5 00
9-in.	4	48 to 54	6 00
12-in.	4	5½ to 6½ ft.	15 00

Phoenix Roebelenii			
Pot			Each
5-in.	nicely characterized		\$1 00
6 in.	18 to 20-in. spread		1 50
Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	\$2 00

Cibotium Schiedeii			
Cedar tub	Spread		Each
9-in.	4 feet		\$3 00
9-in.	5 feet		5 00
9-in.	6 feet		6 00

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your own convenience, both going and coming. When you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station, Jenkintown.

THE NEW CARNATION BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities.

The New "Helen" Pink A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit." Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber
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R. G. WILSON
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CHAS. H. TOTT
Madison, N. J.

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Rosette—The bright, large-flowered dark pink carnation. Only a few thousand left for April 10th delivery.

\$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

For March delivery we can supply now:

	Per 100	Per 1000
Scarlet Glow	\$3.00	\$25.00
White Perfection	3.00	25.00
Bonfire	6.00	50.00
Rose Pink Enchantress	3.00	25.00

Quality Cuttings

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

Mrs. Taft ROSES Mrs. Taft

Mrs. Taft (Rivoire), large 2¼-in. \$6.50 per 100; \$60.00 per 1000
 " " " large 3-in. 8.00 per 100; 75 00 per 1000

IMMEDIATE SHIPMENTS.

Weiland & Risch

154 N. Wabash Ave.,

CHICAGO

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A nice lot of 2¼-in. My Maryland.....\$6.00 per 100; \$50.00 per 1000
 Also some Pink Killarney from bench..... 5.00 per 100; 35.00 per 1000
 Bench Beauty Plants..... 6.00 per 100; 50.00 per 1000

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The Early Advertisement Gets There

Asparagus Plumosus and **Sprengeri**, 3-in. pots \$4.00 per 100.
Moonvine, large white flowering, from 2½-in. pots, \$3.00 per 100.
Ivy, English Hardy, 4-in. pots, \$1.00 per dozen; 3-in. pots, \$4.00 per 100.
Passiflora Cœrulea and **Pfordii**, 3-in. pots, \$4.00 per 100.
Geraniums, Rose and Nutmeg, 3-in. pots, \$3.00 per 100.
Clematis, large-flowering varieties, red, white and blue, 5-in. pots, \$2.00 per dozen; extra strong 6-in. pots, \$3.00 per dozen.
Smilax, 3-in. pots, \$4.00 per 100.
Swainsona Alba, 2½-in. pots, \$3.00 per 100.
Carnations, fine plants from soil; Boston Market, still one of the best white, \$2.00 per 100; Enchantress, pink and white, \$3.00 per 100.
 Stock from 2½-in. pots, \$2.50 per 100: **Abutilon Savitzi**; **Cupheas**; **Asparagus Sprengeri**; **Ageratum blue**; **Salvia Bonfire**; **Alyssum**, dbl., white; **Lobelia**, single, blue.
New Daisy, Mrs. F. Sanders, in bud and bloom from 3-in. pots, \$5.00 per 100.

C. EISELE,
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THE MONEY-MAKIN
 WHITE ROSE

Plants ready for delivery now.
 From 25 to 500 plants.....25c each
 500 plants or over.....20c each
 All plants in 2¼-in. pots.

Terms
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A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.
 Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.
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Alternantheras.....

Strong, well rooted cuttings, the kind that will please you.
P. Major, red.....50c per 100; \$4.00 per 1000
A. Nana, yellow.....50c per 100; 4.00 per 1000
Brilliantissima.....60c per 100; 5.00 per 1000

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Stock for Everybody

Boxwood, Pyramidal—24-in. high, \$1.00 each; 30-in. high, \$1.50 each; 36-in. high, \$2.00 each; 42-in. high, \$3.00 each.
Boxwood, Bush Shape—12-in. high, 30c each, \$25.00 per 100; 18-in. high, 45c each; 24-in. high, \$1.00 each; 30-in. high, \$1.50 each (very heavy); 36-in. high, \$2.00 each (very heavy).
 Above nicely shaped stock with ball of earth, burlaped.
Azalea Mollis, Hardy, for outdoor planting, 12 to 15 in. high, full of buds, \$25.00 per 100.
Tree Roses, straight, stiff stems, 4 ft. high, with good heads; hardy sorts only, all colors, \$40.00 per 100.

Rhododendrons, Parson's hardy varieties for outdoor planting, undoubtedly the largest block of imported plants in the country. Fine bright foliage and well filled with buds. Named sorts in all colors. 15 to 18 in. high, 7 to 10 buds, 50c each; 18 to 24 in. high, 8 to 12 buds, 75c each; 24 to 30 in. high, 12 to 16 buds, \$1.00 each, 30 to 36 in. high, 16 to 20 buds, \$1.50 each.
Kalmia Latifolia (Mountain Laurel), 18-in. high, 12 to 15 in. head, with ball of earth, 50c each.
English Ivy, strong 4-in. pot plants, in fine growing condition, 3 ft. of tops, \$12.00 per 100; 2½-in. pots, \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.



New Hardy Golden Vinca. Vinca Minor Aurea.

Golden variegated Myrtle or Periwinkle.
 This is not a creamy yellow like V. Variegata but a rich deep golden yellow, grand for shrubbery borders, banks, window boxes, vases and especially for cemetery work.
 Awarded Certificate of Merit by the New York Hort. Society; Paterson (N. J.) Horticultural Society and Elberon (N. J.) Horticultural Society.
 Price, 3 in. pot plants, \$2.00 per doz.; \$15.00 per 100. Delivery in April.
WM. TRICKER, Arlington, N. J.
Water Lilies and Hardy Plants a Specialty

Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

Roses. Ramblers, Hybrid Teas, Hybrid Perpetuals, Dwarf Polyanthas, Standards and Half Standards.
Rhododendrons. 18-24 inches, well budded, named varieties, forcing stock, as well as kinds for outdoors, \$40.00 per 100.
Lily of the Valley. Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.
TELL US YOUR WANTS.

Jackson & Perkins Company,
 Nurserymen and Florists (Wholesale only), Newark, Wayne Co., New York

ROOTED CUTTINGS

Prepare NOW for Spring. NOW is the time to buy the cuttings. They are good now. If you wait until late Spring you cannot get as good. Our cuttings now are grand, and will make the price as follows for a few weeks: **VERBENAS**, 60c per 100; \$5.00 per 1000. **SALVIAS**, 80c per 100; \$7.00 per 1000. **COLEUS**, 70c per 100; \$6.00 per 1000. **GIANT DBL. ALYSSUM**, 80c per 100. **AGERATUMS**, 60c per 100; \$5.00 per 1000. **PETUNIAS**, \$1.25 per 100; \$10.00 per 1000. **PELARGONIUMS**, \$2.50 per 100; \$22.00 per 1000. **HELIOTROPE**, 80c per 100; \$7.00 per 1000. **DAISIES**, \$1.00 per 100; \$8.00 per 1000. **FEVERFEW**, true little gem, (no dog fennel) \$1.00 per 100; \$9.00 per 1000.
 Express paid. Cash with order.
S. D. BRANT, Clay Center, Kansas.

Gladiolus

	Per 100	Per 1000
AMERICA.....	\$3.50	\$30.00
AUGUSTA.....	2.25	20.00
FRANCIS KING.....	2.75	25.00
WHITE and LIGHT MIXTURE.....	1.75	15.00

Caladiums

5-7-inch.....\$2.00 per 100
Gloxinias Separate colors.
 \$3.50 per 100; \$30.00 per 1000.

A. HENDERSON & CO.
 30 E. Randolph St., CHICAGO
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Bellis Daisy (Longfellow and Snowball.) \$2.00 per 1000.
Verbenas, transplanted, 50c per 100.
Heliotrope, 2 in., \$2.00 per 100. R. C. \$1.00.
Alyssum Double, 2 in., \$2.00 per 100. R. C. 50c.
Moon Vine, 2 in., \$2.50 per 100.
Geraniums, Mme. Buchner, rooted, \$1.00 per 1000.
 Other sorts ready in April. 4 houses of stock plants.
Elmer Rawlings, Wholesale Grower, Olean, N. Y.

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AND
Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
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PYRETHRUM HYBRIDUM FL. PL.

Anemone Japonica. Not the usual winter killed stock, pulled up from the field, which may or may not grow and flower, but 60,000 well-established plants in 3-inch pots, which if planted under conditions at all favorable will produce an abundance of flowers during the late summer and fall months which will be found valuable for cutting purposes. The varieties are the choicest now grown:

	Per doz.	Per 100
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Alba. A fine large snowy-white.....	1 00	7 00
Queen Charlotte. Very large, silvery-pink.....	1 00	7 00
Rosea Superba. Very delicate, silvery-rose.....	1 00	7 00
Whirlwind. Large semi-double, pure white flowers.....	1 00	7 00
Kriemhilde (new). Semi-double, rose pink.....	1 00	7 00
Loreley (new). A semi-double, bright, silvery mauve pink.....	1 50	10 00
Alice (new). Large, silvery-rose, shell-like petals suffused with fresh carmine.....	1 50	10 00
Geant Blanche. Largest single glistening white.....	1 50	10 00
Prince Henry. Large, very double, deep rich pink.....	1 50	10 00
Purpurine (new). Very large semi-double, deep purplish-rose.....	1 50	10 00

Double Flowering Hybrid Pyrethrums. We are carrying a large stock of these, not sea-sick plants, but stock which will flower freely this season, and you will make no mistake in planting these for early summer cut-flowers, for which they are invaluable, and your customers will appreciate them. We offer the following colors: **Double White, Double Pink and Double Crimson,** \$2.50 per dozen; \$20.00 per 100. We also can supply a splendid lot of **Single Flowering Seedlings** in choicest mixture from 3-inch pots, which will flower freely this season, at 85c per doz.; \$6.00 per 100; \$50.00 per 1000.

We are now distributing our **Spring Wholesale List**, which offers a complete line of **Hardy Perennials, large Roses in pots**, specially prepared for the retail trade, **Hardy Vines and Climbers, Shrubs, decorative Stock, Boxwoods, Bay Trees, Water Lilies**—in fact, everything seasonable in **Plants, Bulbs and Seeds.** The most complete list of its kind published.

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The above prices are intended for the Trade only.

200,000 CARNATIONS

We are rooting over 200,000 this season. Our stock of Pure White Enchantress and Enchantress is hard to beat.

Enchantress.....	100	1000
Pure White Enchantress.....	\$3.00	\$25.00
Rose Pink Enchantress.....	3.00	25.00
Mrs. C. W. Ward.....	3.50	30.00
Dorothy Gordon.....	3.50	30.00
White Wonder.....	6.00	50.00

250 at 1000 rates. Cash or reference.

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Roses, Cannas, Shrubs

Ask for New Price List

THE CONARD & JONES CO.
WEST GROVE, PA.

SEASONABLE STOCK YOU SURELY WILL WANT

Ampelopsis Veitchii, 1 and 2 year old No. 1, \$4.00 and \$8.00 per 100; fine field grown stock with long live vines. Clematis Paniculata XX 2 year field grown vines, \$7.00 per 100; 3 year vines, very heavy, \$8.00 per 100. 200,000 Privet, all sizes. Shrubs, Vines, Bulbs, etc. low; get my list, it will pay.

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ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Grafted Rose Plants

Choice stock from flowering wood, ready for delivery April 1st.

Well hardened and in good condition to bench or repot.

Mrs. Aaron Wardper 100, \$12.00 White Killarney.....per 100, 12.00

Pink Killarney.....per 100, 12.00 Rhea Reid.....per 100, 12.00

Prince de Bulgarie, ready May 1st.....per 100, \$12.00

Our stock is all grafted on selected English Manetti.

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Own Root Perles, \$3.50 per 100 in 2½-in. pots; per 1000, \$30.00.

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Office and Store:

Greenhouses:

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HINSDALE, ILL.

Phoenix Canariensis balled, by the carload, 3, 3½, 4, 4½, 5, 5½, 6 ft., at 40c, 55c, 75c, 95c, \$1.20, \$1.45 and \$1.75 each.

Areca Sapida potted, 2½, 3, 3½, 4, 4½, 5, 5½, 6 ft., at \$1.00, \$1.30, \$1.60, \$1.90, \$2.20, \$2.50, \$2.80 and \$3.10. On small orders, 25% extra, packing included.

THE KENTIA NURSERIES,
Gillespie St. & Fisher Ave., Santa Barbara, Cal.

Roses Originated by Jackson Dawson

Write for pamphlet, including prices.

EASTERN NURSERIES,
1090 Centre St., JAMAICA PLAIN, MASS.
H. S. DAWSON, Manager.

Index to Advertisers.

Table listing various florists and their page numbers, including Advance Co The, Allen J K, Alpha Floral Co, etc.

Table listing various florists and their page numbers, including McCallum Co, McConnell Alex, McCoy L W, etc.

Table listing various florists and their page numbers, including Williamson-Kuny, Mill & Lumber Co, Wittbold G Co, etc.

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Gold and Purple Scripts. Gunned Gold, Silver and Purple Letters, for inscriptions for Floral Designs...

EVANS' Improved Challenge Ventilating Apparatus. Write for Illustrated Catalog. Quaker City Machine Works, Richmond, Ind.

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TIME IS MONEY. Save 1/2 the time greening your designs by using Florists' Greening Pins...

Make Your Want Known. If you want to get rid of it. A want advertisement in the AMERICAN FLORIST will do what you want...

Model Extension Carnation Support. Made with two or three circles. Endorsed by all the Leading Carnation Growers...

WILKS' Hot Water Boilers ARE THE MOST ECONOMICAL Boiler for Greenhouses No Night Fireman Required with our SELF-FEEDING HOT WATER BOILERS. Send for Catalog and Prices. S. WILKS MFG. CO., 803 Shields Ave. CHICAGO

SPLIT GARNATIONS. Quickly, easily and cheaply Mended. No tools required. Pillsbury Carnation Staple Patented 1908, 2000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

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10 CENTS PER LINE, NET.



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Sweet alyssum, our big double giant, 80c per 100; \$6 per 1,000. Prepald. C. Humfeld, Clay Center, Kans.

Sweet alyssum, Little Gem. R. C. 60c per 100; \$5 per 1,000. E. C. Wagner, R. D. No. 1, Beaver Falls, Pa.

ALTERNANTHERAS.

Althernantheras, R. C., P. major, A. Nana, 50c per 100; \$4 per 1,000. Brilliantissima, 60c per 100; \$5 per 1,000. J. W. Davis, 225 W. 16th St., Davenport, Iowa.

Althernantheras. A. N. Pierson, Inc., Cromwell, Conn.

AMPELOPSIS.

Ampelopsis Engelmani, hardier than Boston ivy, clings tightly, vigorous 1½ to 2 ft., \$5 per 100. Cuttings of same partly rooted, easy to grow, 75c per 100; \$7 per 1,000. E. Y. Teas & Son, Centerville, Ind.

ARAUCARIAS.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechsli, 4911 Quincy St., Chicago.

Araucaria excelsa, 4-in., 6 to 8 ins., case lots of 50 and 100 each, \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus nanus, from 2¼-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, prop., Chatham, N. J.

Asparagus plumosus, clumps from bench, 1-year, \$4 per 100; \$35 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Asparagus plumosus nanus, 2¼-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechsli, 4911 Quincy St., Chicago.

Asparagus plumosus, 2¼-in., \$3 per 100; \$25 per 1,000. Sprenger, 2¼-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus and Sprenger plants ready for 2¼-in., \$1.50 per 100. G. C. Lange, 2226 S. Meridian St., Indianapolis, Ind.

Asparagus plumosus, 2¼-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprenger, 2¼-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2¼-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Pothound 3-in. Sprenger, can be shifted into 5-in., \$6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, \$2.50 per 100; \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2¼-in., \$2 per 100; \$18 per 1,000. Joseph H. Cunningham, Delaware, O.

Asparagus plumosus and Sprenger plants. W. H. Elliott, Brighton, Mass.

AZALEAS.

Azalea mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea mollis, 12-15 ins., 10 to 16 buds, \$25 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEDDING PLANTS.

Bedding plants. Abutilon Savitzki; Acalypha macafeana; Achyranthos Emersoni; ageratum, 7 varieties; Begonia Vernon; Cyphea platycentra; Cineraria Maritima candidissima; Cannas, assorted and King Humbert; Coleus, Brilliant and 11 standard varieties; Chrysanthemums, hardy pompons; Fuchsia, Goettingen and Marinka; hardy English ivy; Geraniums, ivy leaved, Mt. of Snow, Mrs. Pollock, Silver leaf Nutt, Sophie Dumaresque; Heliotrope Chieftain and Mme. Brunt; Lemon verbena; moonvine, white and blue; petunias, dbl. fringed mixed; Sage Helix mammoth; Salvia Bonfire and Zurich; Senecio scandens, parlor ivy; Verbenas, 5 vars.; hardy phlox, 10 varieties. For sizes and prices see advertisement elsewhere in this issue. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Bedding stock, Lobelia Kathleen Mallard; Heliotrope, Salleri geraniums, fuschias, German ivy, 2¼ and 2½-in., \$1.50 per 100; \$15 per 1,000. F. J. Schroeder, Pine Brook, N. J.

Bedding Stock. A. N. Pierson, Inc., Cromwell, Conn.

BEGONIAS.

Begonias, fine transplanted stock ready for shipment. Vernon, scarlet; Luminosa, crimson; Gracilis Resca, light pink; \$1.25 per 100; by mail; \$8 per 1,000 express. Cash with order. Peter Brown, Lancaster, Pa.

Begonias, Lorraine, 2¼-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Turnford Hall, Betty Anderson, La Patrie, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

Begonia Glory of Cincinnati, young shoots from base, \$15 per 100; \$140 per 1,000. J. A. Peterson, Cincinnati, O.

Begonias, Gloire de Lorraine and Glory of Cincinnati, \$2 per doz.; \$15 per 100; \$140 per 1,000. Vaughan's Seed Store, Chicago and New York.

Rex begonia, assorted, 3-in., \$5 per 100. The Dince & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Bush box, 12 ins., 30c each; \$25 per 100. Storrs & Harrison Co., Painesville, O.

Boxwoods Pyramids, 18 in., 50c each; 2 ft., \$1.00 each; 2½ ft., \$1.50 each; 3 ft., \$2.00 each; 3½ ft., \$3.00 each; 4 ft., \$4.00 each; 4½ ft., \$5.00 each. Cash. F. O. Franzen, 1476 Summerdale Avenue, Chicago, Ill.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, Gladiolus, America, \$3.50 per 100; \$30 per 1,000; Augusta, \$2.25 per 100; \$20 per 1,000; Francis King, \$2.75 per 100; \$25 per 1,000; White and light mixture, \$1.75 per 100; \$15 per 1,000. Caladiums, 5-7-inch, \$2 per 100. Gloxinias, separate, \$3.50 per 100; \$30 per 1,000. A. Henderson & Co., 323 E. Randolph St., Chicago.

Bulbs, tuberoses, true dwarf Pearl, 1st size, 4-6 in., \$9 per 1,000; medium, 3-4 in., \$5; mammoth, 6-8 in., \$15. Gladiolus, Mrs. Francis King, 1¼ to 1½-in., \$17 per 1,000; Augusta, 1¼ to 1½-in., \$16; America, 1¼ to 1½-in., \$27.50; Kunderl "Glory," per 100, \$7.50; per 1,000, \$70. Florist XXX mixed, \$15 per 1,000. Princeps, \$10 per 100; red and scarlet shades, \$11 per 1,000; pink shades, \$13.50. Caladium esculentum, 5-7 in., \$15; 7-9 in., \$30. Lilium rubrum, 9-11, \$80 per 1,000. Lilium auratum, 8-9, \$50; 9-11, \$80. Vaughan's Seed Store, Chicago and New York.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Lilium Harrisii, 7-9, \$17 per case of 250 bulbs. White hyacinths, 12-15 ctms., \$18 per 1,000. Paper White Grandi, Narcissus, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Gladiolus Alice Carey, best commercial white, No. 1, \$5 per 100; \$40 per 1,000. Gladiolus Golden Nugget, glistening yellow, No. 1, \$6 per 100; \$50 per 1,000. E. Y. Teas & Son, Centerville, Ind.

Japan lily bulbs, Lilium giganteum, longiflorum, Pinnosa, multiflorum, magnificum. Melpomene, rubrum, album, auratum, etc. The Japan Lilium Co., 952 40th St., Oakland, Calif.

Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginseott, etc., Lilies, E. S. Miller, Wading River, N. Y.

Bulbs, hyacinths, tulips, narcissus, crocus, spiraea, gladiolus, peonies, etc. Van Zanten Bros., Hillegom, Holland.

Gladiolus. I have a small surplus of named gladioli that I offer at reduced prices. Write for surplus list. LILLESAND, Cambridge, Wis.

Bulbs, begonias and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs. Surplus of L. Multiflorums, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, Dutch. W. J. Eldering & Son, Overveen, Holland.

Bulba, Burnett Bros., 72 Cortlandt St., New York.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crimson Hedder, Chas. Henderson, David Harum, Allemania, Shenandoah, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Cannas. For varieties and prices, see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Cannas, Chas. Henderson, 2 to 3 eyes, \$2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

Carnations, White Wonder, Norwood, \$6 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Enchantress, Enchantress, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Rose Pink Enchantress from soil, \$24 per 1,000. Enchantress from soil, \$29 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CARNATIONS.

Strong, Well Rooted Cuttings.		
	Per 100	Per 1000
Washington	\$6.00	\$50.00
White Wonder	6.00	50.00
White Enchantress, pure white	3.00	25.00
White Perfection	3.00	25.00
Victory	3.00	25.00
Scarlet Glow	3.00	25.00
May Day, very fine	3.00	25.00

CHICAGO CARNATION CO.

A. T. Pyfer, Mgr., 30 E. Randolph St., Chicago.

FINE CARNATION CUTTINGS.

	Per 100	Per 1000
Victory	\$2.00	\$15.00
Winsor	2.00	15.00
White Lawson	2.00	15.00
Pink Lawson	2.00	15.00
Washington	6.00	50.00
Enchantress	3.00	25.00

WIETOR BROTHERS,

162 N. Wabash Ave., Chicago.

Carnations, extra fine strong stock in the following varieties: Enchantress, Pure White Enchantress, Rose Pink Enchantress and W. Perfection, \$3 per 100; \$25 per 1,000. Beacon, Dorothy Gordon and Mrs. C. W. Ward, \$3.50 per 100; \$30 per 1,000. White Wonder and Gloriosa, \$6 per 100; \$50 per 1,000. I guarantee to please you. 250 at 100 rate. Cash or reference. A. A. Gannett, Geneva, N. Y.

ROOTED CARNATIONS. from 2-in. pots, clean vigorous stock; Enchantress, White Perfection and Victory, \$4 per 100; \$35 per 1,000. Winsor, White and Pink Lawson, \$3.50 per 100; \$30 per 1,000. Cash or reference. Elitch-Long Greenhouses, Denver, Colo.

Carnations, Washington, Bright Spot, \$6 per 100; \$50 per 1,000. Mrs. C. W. Ward, \$4 per 100; \$30 per 1,000. Sangamo, Dorothy Gordon, White Enchantress, Enchantress, White Perfection, May Day, Beacon, Scarlet Glow, \$3 per 100; \$25 per 1,000. A. C. Brown, Springfield, Ill.

Carnations, Rosette, \$12 per 100; \$100 per 1,000. Scarlet Glow, White Perfection, \$3 per 100; \$25 per 1,000. Bonfire, \$6 per 100; \$50 per 1,000. Rose P. Enchantress, \$3 per 100; \$25 per 1,000. F. Dornier & Sons Co., LaFayette, Ind.

Rooted Carnations from 2 1/2-in. pots. strong plants, Mrs. C. W. Ward, Bassett, \$35 per 1,000. White and Pink Enchantress, Beacon, Ruth (dark pink), \$30 per 1,000. Winsor, Dorothy Gordon, \$25 per 1,000. The Florex Gardens, North Wales, Pa.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000. White Winsor, \$6 per 100; \$50 per 1,000. Smith & Gannett, Geneva, N. Y.

Carnations, Washington, \$4 per 100; \$35 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000. Beacon, \$3 per 100; \$25 per 1,000. May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, W. Perfection, Winsor, Mrs. Ward, Beacon, \$2.50 per 100; \$20 per 1,000. Victory, \$2 per 100; \$15 per 1,000. White Wonder and Washington, \$5 per 100. A. M. Herr, Lancaster, Pa.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward, White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnations, strong 2-in. stock, Mrs. C. W. Ward, Alma Ward and Dorothy Gordon, \$3.50 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Carnations, rooted cuttings, White, Light Pink and Enchantress, \$20 per 1,000. Percy Jones, 56 E. Randolph St., Chicago.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

March 1st delivery.

Crimson	R. C. Per 100.	Per 1,000.
Pockett's Crimson	\$2.50	\$20.00
Intensity	2.00	15.00
White	R. C. Per 100.	Per 1,000.
Alice Byron	\$2.00	\$15.00
Touset	2.00	15.00
October Frost	2.00	15.00
Yellow	R. C. Per 100.	Per 1,000.
Golden Glow	\$4.00	\$35.00
Holiday	2.00	15.00
Maj. Bonaffon	2.00	15.00
Pink	R. C. Per 100.	Per 1,000.
Pacific Supreme	\$2.00	\$15.00

J. D. THOMPSON CARNATION CO., JOLIET, ILL.

SMITH'S CHRYSANTHEMUM BULLETIN.

Strictly first-class Stock from 2 1/2-in. pots. Clemence Touset, Cometa, Early Snow, Golden Glow, Monrovia, Mrs. H. W. Buckbee, Robert Halliday, Col. D. Appleton, Dr. Enguehard, Major Bonaffon, T. Eaton, Vivian-Morel, Helen Frick, Mand Dean, Venetta, White Bonaffon, Lanoma, Mrs. W. E. Kelley, Nagoya, \$3 per 100; \$25 per 1,000. Golden Wedding, Lynnwood Hall, Pres. Roosevelt, Intensity, W. H. Chadwick, White Helen Frick, Dolly Dimple, Winter Cheer, Golden Chadwick, Pockett's Crimson, Mrs. O. H. Kahn, Greenview, Wm. Duckham, \$4 per 100; \$35 per 1,000. Chadwick Improved, \$5 per 100; \$40 per 1,000. We are now booking orders of the following for May delivery. Chrysolora, \$15 per 100. Smith's Advance, Unaka, Dick Witterstaetter, Thanksgiving Queen, Roman Gold, \$6 per 100. The foregoing are only a partial list of varieties we carry in stock. All others will be quoted on application. **ROOTED CUTTINGS:** \$2.50 per 100; \$17.50 per 1,000 for those quoted at \$3 per 100. \$3 per 100; \$22.50 per 1,000 for those quoted at \$4 per 100. \$4 per 100; \$30 per 1,000 for those quoted at \$5 per 100; 25 at 100; 250 at 1,000 rate. For colors and flowering season refer to our catalogue for 1912. This advertisement will be changed weekly to comply with stock on hand.

Patty, Pacific Supreme, Amorita, Mlle. M. Desjouis, Mayor Weaver, Klondike, Diana, \$3 per 100. Elise Papworth, Pres. Roosevelt, Beatrice May, M. Loiseau-Rousseau, T. Carrington, Geo. W. Pook, Blackhawk, \$4 per 100. Merza, \$5 per 100. **ELMER D. SMITH & CO., ADRIAN, MICH.**

CHRYSANTHEMUMS. R. C. \$2; 2 1/2-in. \$3.50; 3-in. \$5. White: Kalm, Bonaffon, J. Jones, Robinson, Pink: Ivory, J. K. Shaw, Dr. Enguehard, Mand Dean, Monrovia, Robt. Halliday, Golden Wedding, Yellow Chadwick, Golden Glow, Bonaffon, Golden Age, Appleton. **GEO. A. KUHL, Pekin, Ill.**

Chrysanthemums, R. C. White Bonaffon, \$1 per 100. Yellow Bonaffon, \$1 per 100. Merrill Newin, dark pink, \$2 per 100. Chas. H. Kronsberg, Jr., 4818 Carter Ave., St. Louis, Mo.

Chrysanthemums, Early Snow, Estelle, Golden Glow, Pacific Supreme, Bonaffon, J. Nonin, Nagoya, rooted cuttings, \$1 per 100. Edward Wallis, Atco, N. J.

Chrysanthemums, Major Bonaffon, Standard yellow, every plant well rooted, \$1.50 per 100; \$12.50 per 1,000. Cash with order. Charles M. Weaver, Ronks, Pa.

Chrysanthemums, Our collection of over 50 varieties cover all that is desirable. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, For varieties and prices see advertisement elsewhere in this issue. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums, Chas. H. Totty, Madison, N. J.

Chrysanthemums, commercial varieties. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, Wm. Swayne, Box 85, Kennett Square, Pa.

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

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis, W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffelti, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, Golden Bedder, Verschaffelti and standards, \$6 per 1,000. Giant leaved, \$2.50 per 100. A. M. Herr, Lancaster, Pa.

CYCLAMENS.

Cyclamens, 3-in. pots, \$10 per 100; \$80 per 1,000. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS.

Dahlias, strong divisions, best cut flower sorts, grown from divisions, not plants. The W. K. Fletcher Bulb and Floral Co., shipping point, Des Moines, Valley Junction, Iowa.

Dahlias, divided field clumps of Nymphaea, \$3 per 100; \$25 per 1,000. L. Manard, R. F. D., Knoxville, Tenn.

Dahlias, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias, new and standard varieties. Bassett & Weller, Hamonton, N. J.

Dahlias, E. Stanley Brown, East Moriches, Suffolk Co., N. Y.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

DAISIES.

DAISY HEADQUARTERS. We offer strong Mrs. Sander, the new large white, 2 1/2-in., \$4 per 100; 2 1/2-in., \$5; 3-in., \$6. Soleil D'or, best yellow, 2 1/2-in., \$4 per 100; 3-in., \$5. Queen Alexandra, fine white, 2 1/2-in., \$4 per 100; 3-in., \$5. Immediate delivery. WELAND & RISCH, 154 N. Wabash Ave., Chicago.

Marguerite Mrs. F. Sanders, 4-in. strong plants, 7c for quick sale. Leo. Wellenreiter, Danvers, Ill.

DRACAENAS.

Dracena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmons, Newton, N. J.

FERNS.

Ferns, Amerpohli, Barrowsii, Scotti, Elegan-tissima, Boston, Jacksoni, Sword and Whitmani, from 4-in. pots, \$5 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dingee & Co-nard Co., West Grove, Pa.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000; 2-in., 8 varieties, \$3 per 100; \$25 per 1,000. Cash, please. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitmani, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns, For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, 4-in., \$12 per 100. Boston, Barrowsi, Elegan-tissima. Also 2 1/2-in. Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmons, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, fine, double flowers, the best of all, \$1 per 100; \$9 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

GERANIUMS.

GERANIUMS. Extra strong 2-in. stock for immediate or later delivery. S. A. Nutt, Jean Vland, Ricard, Poitevine, San Sloan, Perillon, single and double White, etc., etc., \$3 per 100; \$25 per 1,000. Cash or reference. Elitch-Long Greenhouses, Denver, Colo.

ROOTED GERANIUM CUTTINGS.

S. A. Nutt, Gen. Grant, Beante Poitevine, Mme. Buchner, strong selected top cuttings which will make 2 1/2 or 3-in. stock for May trade. \$1.25 per 100; \$12 per 1,000. The W. T. Buckley Co., Springfield, Ill.

GERANIUM SCARLET BEDDER.

An improved S. A. Nutt, being brighter in color and surpassing this popular sort in freedom of bloom. Strong plants, 30c each; \$2.50 per 100; \$20 per 1,000.

ELMER D. SMITH & CO., Adrian, Mich.

Geraniums, Nutt, \$11.50 per 1,000. Ricard and Poitevine, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 25th St., New York.

Greens of all kinds, N. Leakes & Co., Inc., 53 W. 28th St., New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Southern Wild Smilax. Caldwell Tho Woodsman Co., Evergreen, Ala.

Greens. Henry M. Robinson & Co., 46 W. 26th St., New York.

HARDY PLANTS.

HARDY PLANTS, Papaver Orientale (Oriental poppy), strong field-grown roots, blooming size, per 100, \$4. E. H. Vick, Seedsman, Rochester, N. Y.

HARDY PLANTS.

Hardy Native Ferns and Plants. Catalog for asking. L. E. Williams, Exeter, N. H.

Hardy perennials. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

HOLLYHOCK SEED. Fancy mixed, single and double varieties. Write for our low price, stating quantity you can use. Elitch-Long Greenhouses, Denver, Colo.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

English ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILY OF THE VALLEY.

To Import.

Lily of the Valley. Loudon market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandersbek, nr. Harburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the Valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lilies of the Valley. Bruus' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$17 per 1,000. Florists' Money Maker, \$1.75 per 100; \$15 per 1,000. H. N. Bruus, 3032-3040 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawu Co., St. Paul, Minn.

NURSERY STOCK.

NURSERY STOCK.

Hardy Native Ornamental Stock. Catalog for asking. L. E. Williams, Exeter, N. H.

Berberis Thumbergil, transplanted, 15 to 20 inches, \$6 per 100. Berberis Thumbergil seedlings, 4 to 8 inches, \$1 per 100; \$3 per 1,000. E. Y. Teas & Son, Centerville, Ind.

Koster's blue spruce (Picea pungens glauca Kosteri compacta). M. Koster, care Maltus & Ware, 14 Stone St., New York.

Nursery stock, Ampelopsis Veltchil, Clematis paniculata, privet, shrubs, vines, bulbs, etc. Benj. Connell, Merchantville, N. J.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, ornamental trees and shrubbery. The Wm. H. Moon Co., Morrisville, Pa.

Evergreens. D. Hill Nursery Co., Box 404, Dundee, Ill.

ONION SETS.

Choice, unsprouted onion sets, yellow, \$1.70; white, \$2 per 32 lbs. Bushel sacks included. Sims Seed Store, 544 W. 63rd st., Chicago.

ORCHIDS.

Orchids, cattleyas, dendrobiums, Cypripedium insigne, pans, pots and baskets of 4 to 12 bulbs, 50c to \$1 each. A. J. Binley, Glens Falls, N. Y.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandeross Lane, Reigate, England.

Orchids, Cattleya and Laelia Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Phoenix Canariensis and Arecia Sapida. For prices see advertisement elsewhere in this issue. The Kenia Nurseries, Santa Barbara, Calif.

Cycas stems, dormant, 50 lbs., per lb., 10c; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs and up, 7 1/4c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock Co., Wyncote, Pa.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

200,000 pansy plants, fall transplanted, best strains, in colors or mixed, \$2.25 per 1,000. Ready April 15. Strong seedlings, \$1.25 per 1,000. Cash with order. Henry Greene, Ft. Hamilton Ave. and 2nd St., Brooklyn, N. Y.

Pansies, 60,000 large stocky (Sept. transplanted) field-grown blooming pansy plants. Henry Mette's strain, \$1 per 100; \$10 per 1,000. Cash. The Brill Celery Gardens, Kalamazoo, Mich.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies, good strong divisions in mixed varieties, 5c. The Mosbæk Greenhouse Co., Onarga, Ill.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNJAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 3 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 18 to 24 ins., 8 to 12 buds, 75c each; 24 to 30 ins., 12 to 16 buds, \$1 each; 30 to 36 ins., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 ins. named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

ROOTED CUTTINGS.

Rooted cuttings, verbenas, 60c per 100; \$5 per 1,000. Salvia, 80c per 100; \$7 per 1,000. Colusa, 70c per 100; \$0 per 1,000. Giant dbl. Alysaum, 80c per 100. Ageratum, 60c per 100; \$5 per 1,000. Petunias, \$1.25 per 100; \$10 per 1,000. Pelargoniums, \$2.50 per 100; \$22 per 1,000. Heliotrope, 80c per 100; \$7 per 1,000. Daisies, \$1 per 100; \$8 per 1,000. Feverfew, \$1 per 100; \$9 per 1,000. S. D. Brant, Clay Center, Kans.

ROSES.

CHOICE ROSE PLANTS.

	Per 100	Per 1,000
American Beauties 2 1/2 in.	\$6.00	\$50.00
Pink Killarney 2 1/2 in.	5.00	45.00
White Killarney 2 1/2 in.	5.00	45.00
Richmond 2 1/2 in.	3.00	25.00
Jardine 2 1/2 in.	3.00	25.00
Uncle John 2 1/2 in.	3.00	25.00

Ready Now, Order Early.

WETTOR BROS.,

162 N. Wabash Ave. Chicago

ROSES.

	2 1/2-in.	3-in.
American Beauties	\$6.00	\$8.50
Bride	3.50	6.00
Bridesmaid	3.50	6.00
Ivory	3.50	6.00
Uncle John	3.50	6.00
Richmond	4.00	7.50

GEO. A. KUEHL, PEKIN, ILL.

GRAFTED ROSE PLANTS. Killarney, White Killarney and Richmond, choicest stock from flowering wood, grafted on selected English Manetti. Order must come quick to insure delivery. Cash or reference. Elitch-Long Greenhouses, Denver, Colo.

Roses, My Maryland, 2 1/2-in., \$6 per 100; \$50 per 1,000. Pink Killarney from bench, \$5 per 100; \$35 per 1,000. Bench Beauties, \$6 per 100; \$50 per 1,000. J. A. Budlong, 82 E. Randolph St., Chicago.

Roses, grafted, Mrs. Aaron Ward, Pink Killarney, White Killarney, Rhea Reid, \$12 per 100. Prince de Bulgaria, \$12. Perlea, own root, 2 1/2-in., \$3.50 per 100; \$30 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, 2 1/2-in., American Beauty, \$5.50 per 100; \$50 per 1,000. White Killarney, Pink Killarney, \$5 per 100; \$40 per 1,000. My Maryland, \$5 per 100; \$30 per 1,000. Perles, Richmond, \$4 per 100; \$30 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses, Am. Beauties, \$5 per 100; \$45 per 1,000. W. and P. Killarney, \$4 per 100; \$35 per 1,000. One-year-old bench plants: American Beauty, \$5 per 100; \$45 per 1,000. W. and P. Killarney, \$4 per 100, \$35 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Roses, Mrs. Taft, 2 1/2-in., \$6.50 per 100; \$60 per 1,000; 3-in., \$8 per 100; \$75 per 1,000. Welland & Risch, 154 N. Wabash Ave., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

ROSES. Own-root. My Maryland, Pink Killarney, White Killarney, Richmond, Perlea, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100. I. L. DILLON, Bloomington, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Pochlmann Bros. Co., Morton Grove, Ill.

Roses, Ramblers, hybrid teas, hybrid perpetuus, dwarf polyanthas. Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, Killarney and Double White Killarney grafted and own roots. A. N. Pierson, Inc., Cromwell, Conn.

ROSES. Send for New Trade List just out. THE CONARD & JONES CO., West Grove, Pa.

Roses. Eastern Nurseries, 1090 Centre St., Jamaica Plain, Mass.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 tr.	Tr.	Pkts.	Pkts.
Begonia Bedding Queen, finest pink	\$2.50	\$0.50		
" Gracilis luminosa, finest red	2.50	.50		
" Triumph, finest white.....	2.50	.50		
O. V. Zaegen,			Hoboken, N. J.	

ORIENTAL POPPY SEED. Five pounds or less. Write for our low price, stating quantity that you can use. Elitch-Long Greenhouses, Denver, Colo.

Seeds, larix, plums, cinnamon, abies, melia, etc. T. Amerlyna & Co., 220 Clement St., San Francisco, Calif.

Seeds, sweet peas. Burnett Bros., 72 Cortlandt St., New York.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Seeds, specialties, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurf, Mullica Hill, N. J.

SMILAX.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

STRAWBERRY PLANTS.

Strawberry plants, Senator Dunlop, \$2.50 per 1,000. Moshaek Greenhouse Co., Onarga, Ill.

VEGETABLE PLANTS.

TOMATOES—Stone, Beauty, Champion, Ponderosa, strong transplanted plants, \$2.50 per 1,000. Ready May 1.

CELERY—White Plume, Golden Self-Blanching, strong transplanted, \$2.50 per 1,000. Ready May 1.

SWEET POTATOES—Early Yellow Jersey, \$1.00 per 1,000. No order accepted for less than 5,000 lots. Ready May 15. Cash with orders. Henry Greene, Ft. Hamilton Ave. and 2nd St., Brooklyn, N. Y.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. Sluis Seed Store, 544 W. 63rd St., Chicago.

VINCAS.

VINCA VARIEGATA, fine large 4-in. pot plants, \$9 per 100. Order now. Don't delay. Wagner Park Conservatories, Sidney, Ohio.

Vinca variegata, 2½-in. pot plants, \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinca variegata, fine, strong, 2¼-in., \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vincas, rooted cuttings, very strong, \$1 per 100; \$8 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

Vinca, new golden (minor aurea), 3-in., \$2 per doz.; \$15 per 100. Wm. Tricker, Arlington, N. J.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Richardson Greenhouse Boilers. Richardson & Boynton Co., 31 W. 31st St., New York. 66 E. Lake St., Chicago. 51 Portland St., Boston. 1107 Arch St., Philadelphia.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilka's self-feeding hot water boilers. S. Wilka Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschel Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and botbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, botbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, 1 to 2-in. thick, random or specified widths, 10 to 16 feet. William-Kenny Mill and Lumber Co., Mound City, Ill.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Steel and iron work. Scully Steel and Iron Co., Chicago and New York.

Building material. Louisiana cypress, pecky cypress, botbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Insecticides, Aphine, \$1 per quart; \$2.50 per gal. Fungine, 75c per quart; \$2 per gal. Aphine Mfg. Co., Madison, N. J.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 33-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galeaburg, Ill.

COAL.

Coal, Pocahontas Smokeless, Glen Alum Splint, Standard Thatchers. Pocahontas Coal Sales Co., 1207 Fisher Bldg., Chicago.

Coal, W. Va. Excelsior Splint, Brazil Block, Pocahontas, Youngbiogheny, Eureka and Plymouth. Northern States Coal and Mining Co., 406 Fisher Bldg., 343 So. Dearborn St., Chicago.

FERTILIZERS.

Canadian Unleached Hardwood Ashes, best fertilizer in use, \$11 per ton. Geo. Stevens, Peterborough, Ont.

GUTTERS.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Dea Plaines, Ill.

Gutters. Jennings' Improved Iron gutters. Diller, Caskey & Keen, Sixth and Berk Sts., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Greenhouse Construction, aemi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

MISCELLANEOUS.

Dennison Florist Tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Baskets, see advertisement elsewhere in this issue. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Peerless refrigerators. Jas. Lederer, 644 W. Madison St., Chicago.

Raffia for florists. Vaughan's Seed Store, Chicago and New York.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Greenhouse glass. Baur Window Glass Co., Easton, Ind.

Florists' Supplies. Henry M. Robinson & Co., 46 W. 26th St., New York.

POTS, PANS, ETC.

Flower pots and hotbed sash. Good second-hand pots, 2¼ to 6-in., also good strong hotbed sash. If interested write The Moshaek Greenhouse Co., Onarga, Ill.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Can Stakes. Standard grade, 6 to 8 feet, per 100, \$5; 500 for \$3; \$5.50 for 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.



What's Back
of the Dollar?
That's the Point.

Terse Talk No. 4.

HARRY LAUDER, the great Scotch enter-tainer gets \$5000 a week — not for being a Scotchman, but for a special service in his character of a Scotchman."

We may ask a man \$5000 for a house that our competitor offers to build for \$4800. We ask it, not because the house itself is worth \$5000, but that houses, the way we build them, are.

It's easy enough to talk the dollar side of a price, but it's the worth side that the sharp buyer digs into. What's back of the dollar? That's the point. You can't compare a horse and a cow — you must compare horses with horses.

For the same reason make our competitor bid on a house like ours (if he can) then you have a fair and square basis for comparison. It's the only way to be fair to yourself.

If you are fair to yourself, you'll be fair to us.

Let us come and have a heart to heart talk with you and explain just what kind of a house we base our price on.

Next Week's Terse Talk:
"The Deacon and the Hoss."

Hitchings & Co.

Elizabeth, N. J.

New York Office:
1170 Broadway.

Your Coal Advertisement Here Will be Seen by Everyone in the Trade

THE ALLIED TRADES

Steam Coal Situation.

Chicago.—The bituminous coal mine operators of Illinois, Indiana, Ohio and western Pennsylvania and miners of the states named reached an agreement at Cleveland, Ohio, during the closing days of March, whereby an increase is granted the miners of five cents per ton on lump coal and three cents per ton on mine run coal. There will be no change in working conditions. The new scale of prices will obtain during the ensuing two years from April 1, 1912. John H. Walker, president of the United Mine Workers' Union of Illinois, is credited with being the guiding spirit in averting a conflict between the opposing factions just at this time. All anthracite mines in the east are closed, but conferences are being held at frequent intervals and it is expected a working basis will be reached in the very near future.

With the large quantities of soft steam coal headed for the consuming points in anticipation of a shutdown at the mines; the enormous surplus laid up by the railroads and industrial plants, and the natural slack in demand for all kinds of fuel with the passing of winter, the sales departments of the leading coal companies are planning strenuously to effect contract sales to cover periods from May 1, 1912, to next contract season, and beyond. While the consumers are laying back for rock bottom prices for their contract coal supplies, a decided activity will be noticed during the coming two or three weeks to cover contracts and needs for the ensuing year when the surplus of coal now on hand is reduced, for, while an agreement satisfactory to the operators and miners was reached, the mines were closed April 1 for overhauling and will remain so on an average for three weeks. By that time something like a normal supply will have been reached again.

PRICES ON CARLOAD LOTS.

	F. O. B. Chicago	Mines
Sullivan—		
—Steam Lump	\$2.37	\$1.50
—Screenings	1.82	.95
Clinton—		
—Steam Lump	2.15	1.40
—Screenings	1.75	.90
—Mine Run	2.00	1.25
Pocahontas and New River—		
—Lump and Egg	4.00	1.95
—Mine Run	3.20	1.15
Smokeless (B. & O. and Tug River)—		
—Lump and Egg	4.00	1.95
—Mine Run	3.15	1.50
Hocking Valley—		
—1½ inch Lump	3.15	1.50
Thacker and Kanawha Districts—		
—1½ inch Lump	3.40	1.50

Everlasting Blow-Off Valves.

One of the common ailments of blow-off valves is the introduction of scale or sediment between the disc and the face of the valve which causes leakage, and when once introduced it is impossible to jam the valve tight. The Scully Steel & Iron Co., Chicago and New York, have introduced the "Everlasting Blow-Off" valve which is a simple, rugged and substantial device designed for severest conditions, and

POCAHONTAS COAL SALES CO.

1207 Fisher Building, CHICAGO, ILL.
Phones: Harrison 864-661.

PRODUCERS OF

Genuine No. 3 Thick Vein

Pocahontas Smokeless
Glen Alum Splint
Standard Thacker Splint **COAL**

Mines
on N. & W. Ry.

Capacity } Pocahontas, 3,000 tons daily.
Glen Alum Splint, 3,000 tons daily.
Standard Thacker Splint, 3,000 tons daily.

Northern States Coal & Mining Co.

406 Fisher Bldg., 343 So. Dearborn St., CHICAGO
Phone Harrison 6753.

Allow us to book your contract now for Fall Delivery.

We Lead in Good Coal at Right Prices. Others Follow.

Let us have your inquiries NOW for the following grades of FLORISTS' COALS:

W Va. Excelsior Splint,
Brazil Block,
Pocahontas,

Youghiogheny,
Eureka,
Plymouth, } Indiana.

from its peculiar construction prevents the scale from settling between the face and disc, for the disc never leaves the face of the valve and is kept tightly pressed thereto by the pressure.

The prominent feature of this valve is that the case is made in halves bolted together. While this is more expensive than making it solid, as is the case with other valves, yet the accessibility for repairs and inspection is a strong feature of merit and very valuable to the engineer who has not a repair shop at his elbow. By unbolting the two bonnets the whole working mechanism comes out and by the use of a little energy and oil the faces may be resurfaced in ten or fifteen minutes. The valve face is chilled and ground and the disc is made of the very hardest nickel bronze, giving a wearing quality not obtained in other valves. For no other valve has these features which are imperative to the long life of a valve which stands more rough knocks and harder usage than any other valve in a power plant. These features will appeal strongly to the man who is looking for low up-keep charges.

The valve has no stuffing box, which enables an arrangement of the working mechanism on very much closer centers than would be possible with a stuffing box and gives a much smoother pull and reduces the resultant effort to open and close the valve. Another feature is the tapering of the inlet orifice which is slightly smaller than the opening in the valve face, in other words, it is "choke-bored." The openings are concentric and very close together and the greater part of the solid matter is delivered into the discharge pipe without infringement on the valve face at all, which relieves the

face from much punishment it would otherwise receive, and by this means a syphoning action is attained on much the same principle as an injector which cleans the valve case at each operation.

The valves are simple, compact and easily repaired, being practically self-grinding, and if operated as advised once a day are kept in good condition, and this is a beneficial practice from the standpoint of a clean boiler. The valves from 1½ to 3-inch sizes will stand 1,500 pounds hydrostatic pressure and are tested with 250 pounds actual steam pressure before leaving the factory. Thousands of them have been sold in this country and in Europe and Australia and they are supplanting the older type of valves and cocks wherever tried. The firm makes a very liberal trial offer and issues a full descriptive booklet.

TORONTO, ONT., CAN.—A banquet decoration was arranged by J. H. Dunlop at South Porcupine, in the Cobalt section, March 30, that was considered one of the finest ever put up in that section. Manager Geraghty personally took charge of the decorations and it required a 20-hour journey for the force and flowers to reach that distant point in the north.

ROCHESTER, N. Y.—At the monthly meeting of the Rochester Florists' Association, held April 4, President John Dunbar made an address on the pruning of trees and shrubs, illustrated by drawings and lantern slides. Invitations were extended to the Syracuse Florists' and Rose Associations to visit Rochester and inspect the lilacs at Highland park when in bloom next month.



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. GIBLIN & CO., Utica, N. Y.
Mention the American Florist when writing

Tacoma, Wash,

Another great day for the florist—from a business standpoint—has passed and every florist tells of its being the best they ever had. Weather conditions were ideal and the people seemed in a bright mood to correspond. Such splendid weather is fine for the florist for the pot plants can be carried or delivered practically unwrapped. The call for cheaper and medium priced pot plants was large and there were few left. Everyone had lilies, there never was such a call before, and as a general thing the quality was excellent. The only flowers that were scarce were good roses and violets. Most of them come from California and were not worth the price demanded. There were very few azaleas in the market and practically not a pot rose. Prices ruled the same as in former years and the great call was for carnations. The people here seem to prefer good carnations and no other flower will do for a large proportion. Bulbs of all sorts have so far produced excellent flowers this season and the demand has been good. Lilies were much better this season than ever before, the majority being Japanese longiflorum. Nothing very elaborate was called for in the way of church decoration. To sum up, we may say—Easter, 1912, was the best we ever had. S. L. H.

CORRY, PA.—A. E. Pettit will erect two greenhouses one 25x50 and the other 10x15 feet, to meet the increasing demand.

RIVERBANK GREENHOUSES GENEVA, ILLINOIS EVERY FLORIST SHOULD SEE THE KROESCHELL HOT WATER HEATING SYSTEM INSTALLED FOR THIS MODERN PLANT.



Rose Range of Riverbank Greenhouses, Geneva, Ill. Charles McCauley, Supt.

Heated by No. 15 Kroeschell Boiler, Kroeschell 2-inch Return Piping System and Kroeschell Generator. Greenhouses each 28 feet by 200 feet. Garland Construction.

The mains are arranged to take care of a future addition of 40,000 sq. ft. of glass; 2-inch returns are used throughout the entire range and each 2-inch return line is controlled by 1-inch gate valve (strictly a Kroeschell feature,) insuring perfect control. It is a gravity job; the circulation is perfect, reaching the extreme ends of range in fifteen minutes. The Kroeschell Generator (the high speed gear for hot water heating) is also used for this system.

"Your No. 15 Kroeschell Boiler heats our entire range. We maintain a temperature of 60 degrees in our greenhouses, and this temperature is easily maintained even in the very coldest weather. Your boiler has given entire satisfaction. It is the best and quickest heater I have ever used or seen. I have found the boiler very economical in the use of fuel and labor, as it is not necessary to use the best coal, and any labor will do for a fireman. The Kroeschell Piping System with Generator works like a charm. When I want to sulphur, I can heat the water up to 230 to 240 degrees and I get the same results as from steam. Seeing is believing—all growers are invited to call. Any further information concerning boiler and piping system will be gladly given. We had a large number of florists at our place recently, and they all thought we had the finest equipped plant in the business."

THE RIVERBANK COMPANIES,
CHARLES McCAULEY, Vice-Pres. & Mgr.

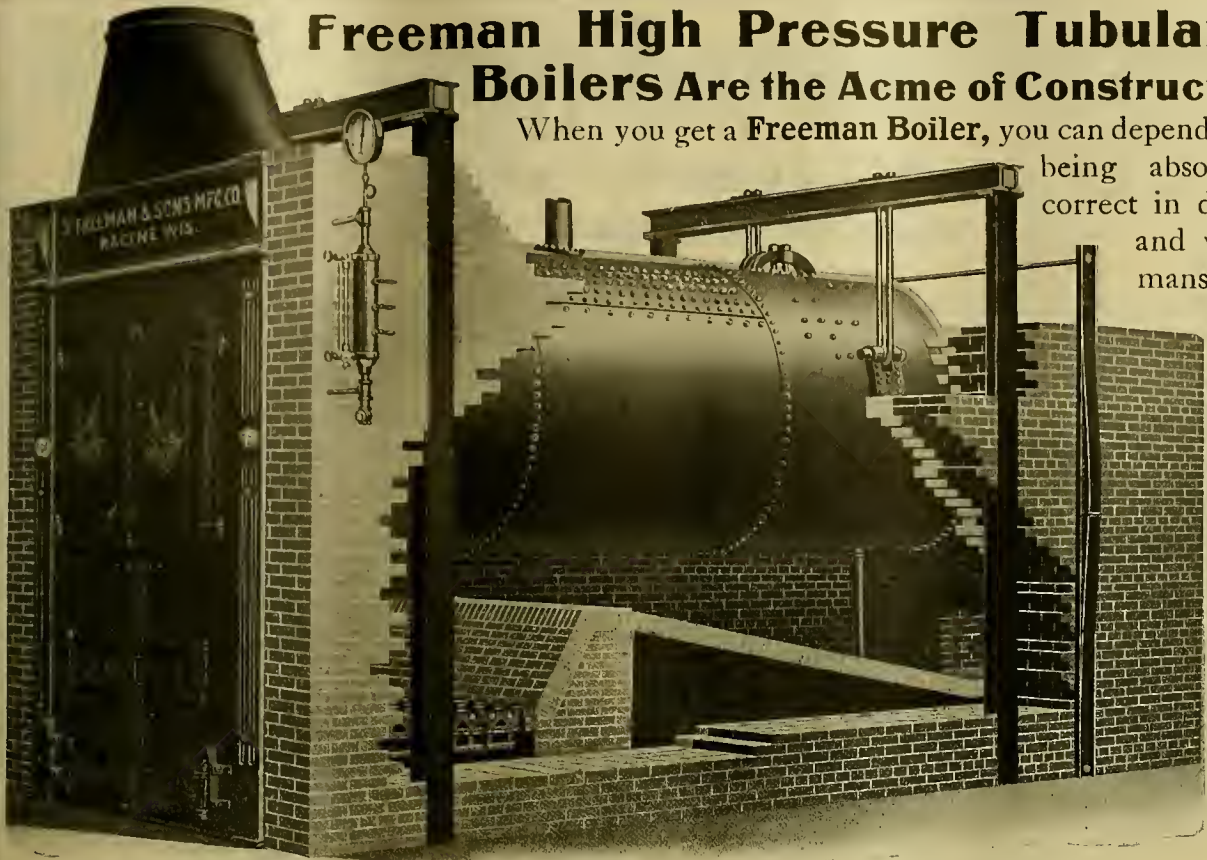
Kroeschell Boilers and Piping Systems Give Permanent Satisfaction.

SEND FOR CATALOGUE.

KROESCHELL BROS. CO., 452 W. Erie St., CHICAGO

Freeman High Pressure Tubular Boilers Are the Acme of Construction

When you get a **Freeman Boiler**, you can depend on it being absolutely correct in design and workmanship.



Send for Catalogue No. 40

THE S. FREEMAN & SONS MFG. CO., Racine, Wis.

Mention the American Florist when writing

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

GREENHOUSES.
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 20 FEET OR LONGER.
The Stevens Lumber Co.,
NEWTON, MASS.

Mention the American Florist when writing

The Cost of a Leak

Conservative figures convincingly demonstrate the economy of Everlasting blow-off valves.

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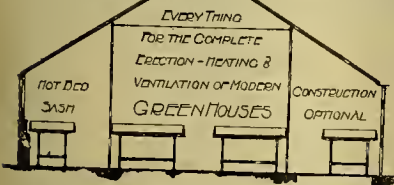
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See Page 778.

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Use a Superior Return Fire Boiler for Greenhouse Heating

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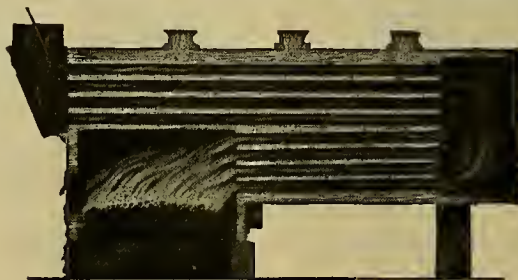
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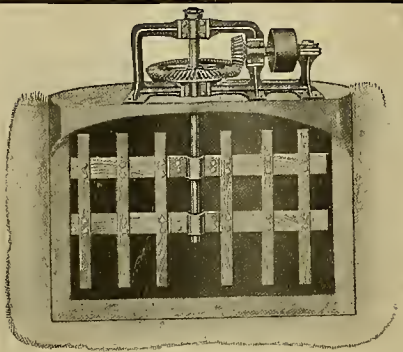
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THE AGITATOR.

ENTERTAINMENT
FROM

Peters & Reed

This is the third article of a series describing machines used in our factory that are necessary to the manufacture of the best pottery. The one shown here is the Agitator. It receives the semi-liquid clay in a cistern built for that purpose, and by the action of its revolving paddles keeps the soft clay in constant motion and in condition to follow on its journey, which process will be described later in this magazine.

A fine illustrated description of the full scheme will be sent free on request. You must write for it.

We make **FLORISTS' RED POTS**, all kinds, all sizes, any quantity, any time.

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See Page 778.

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If you are, get our catalogues and estimates. Our prices are right, construction up-to-date, material highest in quality. Tell us what you are interested in and we will send proper catalogue

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The Best Thread on The Market for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

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1 inch and 2 inches thick.

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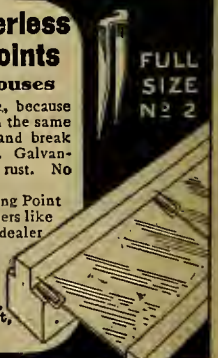
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The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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FULL SIZE No 2

THE AMERICAN FLORIST



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

Vol. XXXVIII.

CHICAGO AND NEW YORK, APRIL 27, 1912.

No. 1247

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

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BUDDING KNIFE FREE.
See Page 817.

SUGGESTIONS FOR PLANT GROWERS.

Gladioli.

The gladioli that are being forced for spring blooming will soon begin to open their flowers and to have good clean stock they will require attention. The spikes should first of all be kept erect, for if they get bent and crooked half their value is gone, and this will occur very quickly on the bright sunny days when the plant leans over, so they should be kept tied either to stakes or wires to prevent this. The spike should be cut when the first flower opens and placed in water and the other flowers opened in the office or store room. These flowers spot very quickly if water is sprinkled upon them in the greenhouses and at this season of the year syringing on bright days is a necessity or red spider is sure to obtain a foothold, and if these pests become once well established it is almost impossible to eradicate them. Considerable discussion is often heard as to whether the corms of gladioli forced are of any value another year. If the plant is not cut too far down on the stem and the corms are given an opportunity to thoroughly ripen there is no doubt but that the bulbs may be grown another year and good results obtained, but if the plant is cut off clear down to the ground the corm has no chance to make its full growth or to ripen and the corms will be practically worthless. Corms that are forced this year, and the spike cut so as to leave three or more leaves, and if properly ripened can be planted outside another year and the following year first-class corms will be the result. The Gladiolus Colvillei can be forced year after year if grown properly.

Rambler Roses.

The rambler roses for Memorial day will demand constant attention, for at this season of the year aphids and red spider accumulate very rapidly if the conditions are propitious. It is far better to keep these insects down by proper culture than to be obliged to resort to measures to kill them. Give the plants all the ventilation possible but drafts will often cause mildew on the

soft foliage, so these must be guarded against especially, and low ventilation, such as open doors with the wind drawing through the houses. Syringe thoroughly on bright days, there is no better prevention for red spider than a good syringing that will reach the under side of the leaves, which will quickly break up the colonies of spiders that gather there. If the plants require fumigation it should be light, for often the young foliage is very tender and heavy fumigation with smoke quickly burns it. Where the pots are full of roots a watering with liquid manure or a mulch of sheep manure mixed with sifted soil will be found very beneficial and will add a lustre to the foliage and deepen the color of the flowers.

Preparation for Memorial Day.

With the Easter stock out of the way, there will be room available for the plants that have of necessity been crowded more closely together for the last few weeks and the next great day before the grower is Memorial day. In those sections of the country where the late frosts are passed the bedding stock must be ready for planting out at that time, and the demand will be for plants in flower, for the customers will desire plants that will make a good showing by May 30, and the stock must be grown with that object in view to have a good sale. The geraniums and other blooming plants should be placed in their blooming pots, spaced out and given a good sunny location that they may be full of bloom by the last of May. It is next to impossible to sell plants that are not in flower at Memorial day. The production of flowers for that day must also receive prompt attention. Much of the floral work for Memorial day is what is called "cheap" work, that is, flowers that make a great show and are not expensive. So although there are many roses and carnations used, yet large quantities of the cheaper flowers are employed to fill in and make the sprays and bouquets larger. Early outdoor flowers and blooming shrubbery can be used, but in some sections these cannot be

depended upon, so flowers must be grown in the houses. Stocks make a splendid flower for this purpose and should be benched at once. The plants should now be about three or four inches high and growing rapidly. Candytuft is grown in large quantities by some growers for Memorial day. Seedlings can be transplanted in early April and brought into flower the latter part of May. *Spiraea*, both as a pot plant and for cut flowers, are very useful at this time; six to eight weeks will bring them into flower at this season. There are other annuals that can be raised for Memorial day blooming, but the two mentioned are grown in largest quantities.

Begonia Gloire De Lorraine.

The plants of *Begonia Gloire de Lorraine*, both the young rooted stock and the older plants, will now begin to make active growth. There is still time to propagate much stock; many growers prefer the May rooted plants to those propagated earlier, for the plants start right off into growth at this time while those rooted earlier grow very slowly during the late winter and early spring months. The young shoots that break from the old plants make fine cuttings at this time and if the plants are in good health are just as good as the leaf cuttings made earlier. As soon as rooted they should be potted in a light, fibrous loam in 2¼-inch pots, and placed in a light, well ventilated house, but should be protected from all chilling draughts. They cannot be successfully grown in a stuffy-moist temperature and to have strong, healthy plants should not be forced in too warm a temperature. They will require a house at which the night temperature does not fall below 60° and should be given all the air possible without chilling during pleasant, bright days, carefully avoiding drafts. They will need to be watered carefully, for the roots are very fine and are growing slowly yet, and over-watering quickly shows in the growth of the plant. It is now a good time to procure young stock if the grower is not supplied for those making a specialty of this plant have the best of stock at this time.

Asparagus Plumosus and Sprengeri.

Small stock of *Asparagus plumosus* and *Sprengeri* are now a necessity with all plantmen, for they are freely used in fern dishes and in plant baskets, being very satisfactory plants for house culture. Fresh seed can now be obtained and the stock grown on through the summer, which will make fine stock for the next winter. The seed will germinate more readily and evenly if soaked in luke warm water placed in a warm location for 24 hours before planting. Instead of sowing the seed broadcast it is better to sow them about three-quarters of an inch apart and they can then be allowed to remain in the flats until they are strong enough to transplant. Do not cover the seed too deeply, an eighth of an inch of soil sifted over the seed is ample. The first potting must be carefully done, for they make a long tap root with very few small roots and the soil does not adhere to it, and in the young stage this root is easily broken. A warm house with plenty of moisture, careful watering with a slight shade is all they require after being potted. Overwatering will always cause the fronds to take a yellowish hue.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Mothers' Day.

"Backward, turn backward, O Time, in thy light,

Make me a child again, just for a night!
Mother, come back from the echoless shore,
Take me again to your heart as of yore;
Kiss from my forehead the furrows of care,
Smooth the few silver threads out of my hair;
Over my slumbers your loving watch keep,
Rock me to sleep, mother, rock me to sleep."

Sentiment is a great attribute of the American people, as shown in the great disaster which happened so recently in the sinking of the steamship Titanic and the immediate response of the government and people to the demands of the situation, and the gallantry of the men on that ill-fated ocean liner indicated the high regard in which woman is held by man. In



Miss Anna Jarvis.

Founder of Mothers' Day.

Photo Copyrighted by Anna Jarvis.

no land has woman been regarded with more esteem, and the mother more highly revered, and it is not wonderful that a day dedicated to mother and her memory should so quickly be appreciated by her sons in this nation. It was but five years ago that Miss Anna Jarvis of Philadelphia conceived the idea of selecting one day in the year upon which the devotion to mother's memory should be observed, and the second Sunday in May being the day upon which fell the anniversary of her mother's death, that day was chosen by her as Mothers' day. She wrote to churches, societies, public officials and noted people and the public press, and all at once joined with her in the movement which she had originated, and this spread so quickly that last year mayors of cities and governors of states all over the nation issued proclamations advising their constituents to observe Mothers' day and keep the memory of the departed mother green by wearing on that day some outward emblem, preferably a white carnation, "in honor of the best mother in the world, your mother," as Miss Jarvis expresses it. It is stated that the correspondence now addressed to Miss Jarvis in regard to Mothers' day has become so large that it is with great difficulty that she can give it the necessary attention.

To the florist this means of course an unusual demand for white carnations, and in many places the supply of this flower was not nearly adequate to supply the wants of those who desired to wear one in mother's memory, and all white flowers were substituted. A happy thought by many dealers overcame what might have caused to them an inadequate supply, by advocating the wearing of a white carnation in memory of the departed mother and a colored carnation in that of the mother living, and this was immediately well considered by the people who adopted the plan. Since the first observance of the day THE AMERICAN FLORIST has repeatedly brought to the attention of its readers each year the wonderful progress which the sentiment of observing Mothers' day has made and the necessity of being fully prepared to meet the demands of the people. It comes upon a date when flowers are quite plentiful and it is comparatively easy to be well supplied with the necessary flowers.

We last year received many letters from those who had taken advantage of the advice given them and acquainted the public with the objects of Mothers' day. The Livingston Seed Store, Columbus, O., wrote: "That the demand for flowers on Mothers' day was very large. All the white carnations in town were sold by 4 o'clock p. m. Saturday and every other white flower by closing time, with a lively trade in colored flowers of all kinds. Let the good work continue." The Stelzig's Floral Store of Bellefontaine, O., said that in a city of but 8,288 population they sold 1,275 carnations and could have sold many more. There was the largest sale of carnations on Saturday and Sunday ever made in the town. E. O. Lovell of Grand Fork, North Dakota, related that the supply of carnations did not begin to meet the demand, while other flowers were much in request, especially roses, and we look for greater things next year. In Omaha, Neb., the clubs interested in charity sold flowers from designated booths distributed about the city and from automobiles. These reports only show that a little enterprise on the part of those interested will awaken the sentiment of the public to a full remembrance of the day, and by having state and city officials promulgate proclamations requesting the people to observe the day which has been done by so many in the last two years, the public is then informed, and a little judicious advertising is all that will be required to make Mothers' day one of the floral days of the year.

Floral Pillow.

The pillow of flowers is one of the most popular floral designs arranged for the funeral service, but the compact, close arrangements of the past decade with the lettering thereon are a thing of the past with the designers today. While the form of the frame is adhered to closely enough to plainly show what the design is, yet the work is made light and artistic and the inscriptions are omitted in the make-up, or if necessary the bed upon which the letters are placed is made only large enough to hold them, this being the only compact part, and the rest of the design arranged in a light, artistic manner. The pillow without any lettering at all is greatly favored by the best designers and the one which we illustrate was arranged by George M. Geraghty of Dunlop's, Toronto, Ont.,



FLORAL PILLOW.

Can., and is an example of how beautiful a design of this kind can be made. It is composed of roses, lily of the valley, and is edged with boxwood, which makes a fitting background for this beautiful piece of work. In the arrangement of pillows and wreaths the expert, up-to-date designers have made the greatest advance over the work of

The Making of a Country Home.

Paper read by J. A. Pettigrew before the Horticultural Club of Boston, January 3, 1912.

Among people of wealth and leisure a widespread interest is being felt in the subject of country life, and the founding of country homes. On every hand homes can be seen already established or in process of development by

notes will not interest. There are those, however, having partial or abundant leisure and to whom country life appeals who would welcome the idea of engaging personally in the work of making a country home. It is for such that these notes are compiled.

The fascination of the work is such that a little sustained attention to it soon develops into a strong interest. A more intimate acquaintance with nature results, and with it a broader appreciation of its wonderful ways.

The advanced state in which horticulture is to be found in the English Isles today, and the charm, beauty and dignity of so many of the old homes to be found there, are due largely, no doubt, to the intense personal interest taken in their growth and development by the owners. This interest frequently grows into a close technical study of plant growth. Not only among the proprietors of old estates which are clothed with centuries of horticultural traditions is the love of the home and garden rife. It extends to the farmer and cottager. The farmer with pride will call your attention to the fine oaks or maples in his hedge-rows, while the cottager will be hard pinched indeed if he does not find the opportunity to clothe the walls of his cottage with climbing vines, or his windows with boxes of flowering plants. It is the love for gardening, so deeply implanted in the heart of the Britisher, which gives to England one of its greatest charms.

New England is so wonderfully endowed with the beauty that nature has implanted that the choice of a home site, it might be said, need only be governed by geographical considerations or convenience of location in its relation to transportation. Land, too, suitable for country estates is plentiful and cheap. The character of the flora is distinctly and charmingly interesting. Wooded hills and valleys abound while the soil is so well adapted to the growth that it is easily possible with good cultivation to produce



RHODODENDRONS AT HOLM LEA, BROOKLINE, MASS.

Photograph copyrighted by Thos. E. Marr

their predecessors that has been made in all the different classes of floral work. It was but a few years ago that these designs were made so flat and compact that they are today regarded by many as ridiculous, and the designs executed at present are certainly works of art when compared with those that were the best of but a generation ago.

those whom the love of the country has induced to enjoy its advantages and delightful associations as an alternative to residences among walls of brick and mortar which so loudly echo the turmoil and strife of city life. The busy man so immersed in business that he can spare but little thought to the subject, or feels that the time has not arrived for its consideration, these

Flowers for Titanic's Dead.

At a meeting of Oriental consistory, held in Medinah temple this week, it was decided to send a beautiful floral offering on a White Star liner to be dropped in the sea where the Titanic carried many brave members to the bottom of the ocean. Every one of the 1,500 members present arose at the motion and acquiesced with bowed head.

ROANOKE, VA.—Frank Fallon made the prettiest display of Easter plants and flowers ever seen in the city, the first week in April.

MONONGAHELA, PA.—The J. Shelly Crall Co. have plans under consideration for the erection of a new range of greenhouses 100x150 feet.

NEW LONDON, CONN.—The New London Horticultural Society will take charge of and improve Perkin's green, one of the old landmarks of the city.

OLEAN, N. Y.—Myron Llewellyn, who had conducted a florist business here for the last thirteen years, died April 6 of pneumonia, aged 71 years. He is survived by a widow and one son.

FOND DU LAC, WIS.—E. Haentze has commenced the construction of six new greenhouses and a new heating plant. When completed there will be 54,000 square feet of glass in the plant.



PYRUS BACCATA AT HOLM LEA, BROOKLINE, MASS.

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THE POND AT HOLM LEA, RESIDENCE OF PROF. C. S. SARGENT, BROOKLINE. MASS.

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a growth of hardwood trees 30 feet in height in a dozen years. Pines, also, 20 or 25 feet high may be grown in the same space of time, so that in the event of the prospective homeowner not being able to secure a fair proportion of natural woodland as a part of his estate he need not be discouraged. He may take comfort in the fact that he can plant where he will and create his own woodland, which often results more satisfactorily than the effort to bring into harmony with his design a piece of existing woodland which uncontrolled nature has distorted or marred or that may not be so located as to permit of blending it into natural harmony with the surroundings.

The ground for the country home having been selected, be it ten acres or be it three hundred acres in extent, fidelity to nature should be the keynote governing its development. The motive impelling the creation of the home is to wish to be associated with nature, therefore have the home express nature faithfully. Presumably the builder of a country estate is one of artistic taste or instincts who is qualified to plan the lines of the necessary walks and roads so that they may be convenient for their purpose yet unobtrusive so that there shall not be one linear foot in excess of absolute requirements and so that they shall be designed as much as possible to lie

within the borders of the woodlands or intended plantations of trees and shrubbery, for walks and drives do not in themselves enter into the landscape design excepting as useful agents which may be masked by planting. If the home-builder will in addition locate his house in its proper relation to convenience, to the command of pleasing views, and to its setting, existing or to be made, with the help of a copy of Downing and a practical intelligent gardener as superintendent of the work and the occasional services of an engineer where exact lines and grades are necessary, have the enjoyment and pride of being the creator of his own home. An alternative could be the employment of a competent well-experienced landscape gardener to make a design for the estate, when with the staff before enumerated the owner can enter upon the work of construction.

In planning home grounds it is a good thing to remember that the moving of earth is one of the most expensive of works, a fact that is too often overlooked and much unnecessary expense is thereby incurred. The plan should, in its topographical features, be bent to fit the ground as closely as possible, the relation of soil and subsoil should not be distributed by grading if it can be avoided. In the removal of soils to other places it is essential that they be restored to their original relation, that is, with the sub-

soil below and the loam on top. The expense of such manipulation is more than double the cost of straight excavation work. A large amount of thought is not too much to expend in considering the removal of a very small amount of earth, that is, if it is expended in the effort to find some way in which the removal can be avoided. A little change in walk or grade or some other modification of an idea will often accomplish this result.

Attention cannot be given too soon to natural woodlands, which the estate may possess; such areas are generally made up in great part of thick growth of trees which have injured each other more or less, by close contact, natural perhaps in having sprung from the soil without the aid of man, but having, nevertheless, been subject to such unnatural conditions as to upset nature's balance. The first operation in a piece of thick woodland desired to be retained for natural effect should be that of thinning; trees of individual merit or beauty should have interfering trees removed to allow of their development.

In places areas of greater or less size may be found entirely filled with trees, which, by reason of overcrowding are so far impaired that they can never recover their lost beauty. In such cases a free cutting should be made to allow light to penetrate so as to permit of the growth of saplings

or newly-planted material below and further cuttings made from year to year, as they may be needed. Judicious thinning of all trees should be made when they interfere with the growth of better ones, noting at the same time and retaining picturesque groupings and pleasing combinations of trees, preserving meanwhile a natural appearance in the general mass and encouraging as much individuality as possible without impairment of natural woodland effect. This thinning will permit of the passage of light to the undergrowth, which will respond quickly to its influence and will materially enhance the beauty and naturalness of the woodland. A woodland so dense as to prohibit the growth of vegetation on its floor is dreary and monotonous.

The improvement in the woodland by thinning is soon noticeable. The branches instead of struggling upward in search of light spread out to such an extent that it quickly becomes apparent that the work of the axe, whether in woodland or plantation, is never completed. It is vandalism to lay it aside. The best way for making selections for permanent trees, in plantation or woodland, is in the summer. At this season the condition of the trees can be more easily ascertained, as the relative position and needs are more apparent than at any other season. The treatment of old woodlands includes the careful cutting from the trees of dead or diseased limbs. A large proportion of trees come to an untimely end, because of the decay introduced into the larger limbs, and holes through the stumps of dead limbs or branches. Each cut should be made close and even with the hole or limbs where the severance is to be made and well painted over, renewing the coat when necessary until the wound is healed.

No work in the development of a country estate should take precedence over that of planting other than the work necessary to make the ground intended for plantation available. Roads and walks are of secondary importance in comparison. As a general principle it may be said that a bordering belt of trees should be planted on the boundaries of the estate. This may vary in width in conformity with the topography of the ground, or may be omitted when desirable to obtain cross-country views. This omission, however, should only be done in the case of the opening of views of exceptional interest or beauty. The bordering plantation serves as a screen to shut out undesirable features from within. It gives too a sense of seclusion and possession which in a country home is desirable. Another principle in planting is that generally it is desirable to plant on the high grounds and lay down to turf of the lower grounds, thus accentuating the topographical variation. Such planting, however, must be subject to the preservation or creation of pleasing views within the boundaries of the estate, or the shutting out of undesirable features.

The preparation of the ground for planting in masses should be done during the summer previously to planting, by plowing and deeply subsoiling. This should be repeated two or three times to produce a good condition of mellowness in the soil. Spring planting is preferable in our northern latitudes. Fall planted trees unless put in early enough to have made

roots to sustain them are apt to dry out by evaporation during the long months of freezing. A good method is to make selections and purchases in the fall which can be heeled in and protected from drying winds. Then planting can be commenced much earlier unhampered by the delays of spring shipments from new series.

In planting for mass effects plant thickly; 12 feet apart is not too close; the ground is the more quickly shaded. The trees also shelter each other. Thin out by transplanting, or even by cutting out whenever the branches interfere. Under no consideration permit injury to be done by over-crowding. This method has many advantages; it provides shade for the ground and for the trunks of the trees. It permits of easy and cheap cultivation of the ground by horse machinery. It is also a convenient nursery from which finer trees can be secured each season than can be obtained from commercial nurseries. This plan also gives a greater number from which to select the permanent trees.

It is well to plant the intended permanent trees at a distance of from 30 to 50 feet apart according to expective development. A second or even a third arrangement might be made by using different kinds of trees in each. The advantage of this plan is that any one of the three arrangements may be adopted and retained when thinning. It is not desirable to plant shrubs throughout new plantations of trees; they interfere with the free use of the cultivator which is a valuable adjunct to the diligent planter desiring vigorous rapid growth. Cultivation should

some are better adapted to our climate than others. Of exotic trees we can always find a place for the white willow, the European beech or the European elm and others. The planting of a New England country estate should consist largely of oaks, maples, beeches, birches, hickories, red cedars, pines, hemlocks and spruces; for appropriateness and beauty these cannot be excelled. Exclude from the planting lists exotic trees and shrubs which do not blend with native material, and above all, bar out variegated sports and monstrosities which have no place in planting for natural effects.

The selection of a location for the house is an important matter for consideration. It would be difficult to frame rules for guidance where so many combinations of topography or other existing features are apt to occur, each one a study in itself, to be solved on the ground. Let us take one example, however. Let it be that of level open ground, then let us if possible place the house with its back opposite to the most uninviting aspect and behind the house plant a mass of trees for a background, and irregular clumps off from two or more corners for support to the house. Behind the background of trees have the kitchen garden. This garden may be a walled garden, with espaliers, the walls and espaliers for training fruit trees.

It may have also flower borders between the espaliers, and the box-edged walks. In that case the espaliers could be used for framing flowering vines, delightfully quaint, also very convenient to the house for the pick-



VIEW AT HOLM LEA, RESIDENCE OF PROF. C. S. SARGENT, BROOKLINE, MASS.

Photograph copyrighted by Thos. E. Marr.

be maintained for a period of three to five years when shrubbery or ground cover may be introduced. Shrubbery may be planted on the borders of the plantations when the trees are planted, of such wood bordering plants as shad bush, red bud, witch hazel, viburnums, cornels, etc.

Of the kinds of trees to plant all our native trees are good, although

ing of flowers and fruit. In this garden may also be placed a low fruit house or two, and forcing pits or low houses for vegetables. Such facilities for providing early fruits and vegetables are I think desirable and even necessary in view of the long winter season, but I am of the opinion that the erection of ranges of houses for the growth of ornamental plants, or cut



RHODODENDRONS ON THE HUNNEWELL ESTATE, WELLESLEY, MASS.

flowers for use in the house, is an expensive mistake. Can we not have an abundance of flowers from the garden? Commence early in spring with snow drops, and ending with the hardy asters and chrysanthemums with the fall frosts, what a succession of beautiful flowers we have? Thence on until spring again we have our myriads of fruits and berries to carry on beauty's procession, than which nothing can be more beautiful or appropriate for the season. Greenhouses themselves are unhandsome and cannot be made to fit into a garden gracefully; their products can be bought much more cheaply than they can be grown under the conditions that are liable to prevail. But, as the Frenchman said, "let us return to our sheeps."

Behind the background near the vegetable garden can be placed the stables and any other necessary building or house conveniences. The whole can then be screened by a heavy plantation of trees or shrubbery of varying outline.

From at least two points of advantage within the house, long vistas of simple open turf, stretching away into the distance, could be made. The boundary lines of these views should be broken up into deep bays and bold points of foliage, the lines of which again could be opened for lateral views.

Judicious planting of vines should be made against the house, for example, wistarias or bignonias at the corners, or at the porch or other projections, and ampelopsis and euonymus against flat portions of the facade, but all sparingly; the effect should be that of the house supporting the vines, which in turn soften the architectural lines, not that the vines are a support to the house or that the architecture needs to be hidden—breathe it not—sometimes that were better. Procumbent shrubs, too, planted along the base line at intervals will

tend to soften the junction of turf and walls. This shrubby line may be of varying width. In front of, and under the edges of the shrubbery, spring-flowering bulbs could be planted, such as crocus, snow-drops, narcissi, etc.

As far back as gardening history can inform us there have been flower gardens round the house. In the old times they were even made within the lines of the moat for their protection. After civil wars ceased to trouble the land, or in the Elizabethan period, gardens took a place in the open lawn which occupied the place formerly occupied by the moat. The old gardens were planted with homelike and familiar friends of humble type, such as roses, artemesia, monkshood, argemone, marigold, foxglove, hollyhock, etc.—plants famous in song and story. Before the middle of the last century the fashion changed, the old-fashioned flowers were banished from all gardens of any pretensions, and the florid "bedding out" style adopted. This comprised lines as in the ribbon border of one color sometimes hundreds of feet long, also beds in the designs of animals, flags, carpet and rug work, planted with exotic material. Flowers were never prostituted to such base uses as they were during the period of this craze. At its height it seemed as though a gardener's ability could be only measured by his dexterity with the sheep shears in clipping the various plants into the desired shape, as in former years, when the test would be a hammer, cast iron nails, listing, and an inhospitably cold garden wall. While the old formal style still lingers in places the tendency in ornamental gardening now is to use tropical plants in beds and borders with a ground cover planting of smaller plants.

To return to the house, the flower garden should be on the lawn in front. The ground being level or nearly so terrace walls are not needed, there is

no interruption in the foreground to the view down the vistas of tree-bordered turf. Off at either side of the vistas are irregular groups of trees, bordered rather by widely set shrubbery. Among and in front of this shrubbery the flower garden should be made, not in a clearly defined border, but with tall herbaceous plants such as delphiniums, foxglove, hollyhocks and lilies, etc., planted among the taller growing shrubs at the back, then down to the front among shrubs of dwarf growth let us have phloxes, salvias, hardy asters, pyrethrums, roses, lilies, heleniums, solidagos, and in front periwinkle, dwarf asters, iberis, veronicas, and many others almost too numerous to mention.

It is not intended to be understood that a grading down of shrubs or plants from tall at the back to dwarf in front is intended, rather let dwarf run back occasionally in short vistas, as it were, and let tall plants come to the front; the snug insipidity of graded planting can thus be broken up and more natural tone imparted. Nor should the lines of the border be too clearly defined, let it in a natural manner project itself boldly into the lawn, and again retreat back nearly to the tree line.

It is important in our garden to have space enough between the shrubs to give plenty of room for root growth of the shrubs and leave sufficient for the needs of the herbaceous plants, too. The shrubs will, if carefully selected for their berried effects in winter, or for the coloration of their branches, go far to cover the deficiencies of the bare herbaceous plants at that season.

The planting of a country home grounds opens a large field for enthusiastic gardeners; on the tree borders of the turf glades what a field there is for the development of a fringe of beautiful things; thorns, flowering dogwood, witch hazel, juneberry and red buds would frame the vistas with a

succession of bloom during a great part of the spring and early summer. And what opportunity for the planting of spring-flowering bulbs by the thousand, sprinkling them partly under the branches of the shrubbery and having waves of them spread out over the turf in front,—narcissus, crocus, snowdrops, scillas, grape hyacinths, full blooming. Crocus would be the kinds suitable in the herbaceous border, May flowering and Darwin tulips might be added.

A piece of damp woodland bordering a creek could be planted with many beautiful plants, including ferns, which love moist and shady conditions, while the borders of the creek would give a home to the iris, the nyssas, senecios, swamp azaleas, andromedas, rhododendrons, loosestrifes, and gaultherias. A pond in the low ground fully exposed to the sun would give opportunity for the planting of *Latour Marliacs*, beautiful hybrid water lilies, as well as our own handsome native ones. A great wealth of material besides is at the service of the water gardener. Then a ravine or rocky dell possessing a good cover of leafy mulch suggests the absorbing delight of planting a collection of native ferns. A bank under partial shade suggests a mass of primroses, while another bank reminds one of the beautiful little Canadian cornel and how well it would be adapted for its growth. Here is an ideal spot for Solomon's seal, and over yonder are just the conditions required for the bear-berry. And so on. In such work the home-worker would find his days filled with the enjoyment and satisfaction of accomplishment, accentuated by a close association with nature in one of her most charming expressions.

PORTLAND, ME. — L. C. Goddard writes that there was but little difference between the total sales this year and last. There was a bountiful supply of plants, and with the exception of violets, of cut flowers. Plants of all kinds sold well, but the cut flower trade was not up to the standard of previous years; carnations were the best sellers with very little call for hyacinths.

THE ROSE.

Potting and Benching.

Following the Easter sales there is a general adjustment of things, and more or less room has been made through plant sales, etc. And about the first thing perhaps that will require our attention is the shifting of the young rose stock if this has been put off until now. The young stock, by the way, should not be allowed to make but one growth in a certain sized pot. That is, as soon as the first growth is made after the first potting and this growth is well ripened it should be shifted to a size larger pot before the starting of new growth. Small stock in 2¼-inch pots can go into the 3-inch. This usually means the 4-inch stock. Grafted stock from 2½-inch should go into 3½-inch pots, etc.

It is quite essential when using the 3-inch pots to use drainage. We prefer using two pieces of crock about the size of a quarter dollar, forming a kind of bridge over the drain hole, placing one to one side of the hole and resting the other on the edges of this one; it may take a little longer to do this, but it insures perfect drainage. A free circulation of the water and fairly rapid evaporation of the soil is to be desired. Pot very firmly and have the soil sifted through ½-inch screen in order to have the soil fill in compactly around the ball of the plant. Do not knock out too many at once and have them get dry in the flats, and do not delay watering them after potting and setting them up. When shifting the grafts into 3½-inch pots they should be carefully staked. A good way is to cut the raffia loose and stake them in the 2¼-inch pots beforehand, then there is no time lost when potting. Old wire rose stakes that have badly rusted ends being rather short for the benched plants, will do nicely for this work; cut into lengths of about 12 to 14 inches. Make two ties, one near the bottom and one near the top of the plant, placing the stake on the opposite side of rose where the scion tops the Manetti, as

this has a tendency to keep the splice from splitting when tying and staking. These stakes need not be removed until they are replaced by the regular supports after benching.

How about early planting? We think it a good plan to do some early planting if only a few hundred plants. Benched about the middle of April, they will give much better cutting through the dark short days of winter than those planted six weeks later. They also furnish good blooms in the early fall and one does not have to start cutting from the June planted stock so early, as the latter can be getting nicely established by dividing a month later, while cutting from the early planted stock. Planting the rose houses in succession with an interval of a week or two between planting will be found a good plan when steady cutting is desired, especially on a comparatively small range where two or more varieties must be grown in each house in order to have a fair cut of each variety daily. As a rule on a small place about a third more pinks than white should be grown for all the year round demand, and then, say Killarney. White Killarney and Richmond are to be grown, half as many Richmond as either of the other varieties we would consider sufficient red. The small grower should avoid growing too many varieties, as a hundred of this thing, fifty of that, etc., or whatever it may happen to be will be found a very unsatisfactory state of affairs when it comes to filling orders. Of course one should devote some space to the new varieties and by reading the trade papers carefully, and still a better way to keep in touch with what is good in the new things is to visit the ranges where the new varieties are being grown and propagated. As we were going to say, through actual photographs and the descriptions given the new roses in the trade papers, one can usually get a fairly good idea of the merits of a new rose. It is always up to the skill of the grower whether any variety can be grown profitably. Very often a grower will make a success of a certain variety while his next door neigh-



HOLM LEA, RESIDENCE OF PROF. C. S. SARGENT, BROOKLINE, MASS.

Photograph copyrighted by Thos. E. Marr

ber cannot do a thing with it, but this does not mean that the rose is not an all around good variety. The principal thing, we think, is to grow in quantity whatever does the best, and stick to the money maker.

From all accounts the newer varieties, Double White Killarney, Sunburst, Mrs. Aaron Ward, for instance, are said to do better at a little higher temperature than Killarney or White Killarney. So one would hardly expect either of the above varieties to be at their best grown in the same house with Killarney. My Maryland is also in a class with the warm-blooded ones. Dark Pink Killarney is another hard variety to handle, and strange to say, this rose seems to like a cooler house than any of the Killarneys. So when it comes right down to facts, the grower that has glass enough to devote each house to a certain variety, where the temperature can be run to suit it, that really has the best chance to get a line on the novelties. At the same time the little fellow need not feel discouraged, for he can let the other fellow that is better fixed run the trial grounds, while he grows goods that he can best afford to handle. E.

Third National Flower Show.

Henry A. Dreer, Inc., Philadelphia, Pa., and Riverton, N. J., offers the following special prizes for private growers only:

Hardy perennials—Best collection, in flower, covering not less than 100 square feet; first prize, gold medal, value \$50, or a purse of \$50 in gold; second prize, silver medal, value \$25, or a purse of \$25 in gold.

Hybrid tea roses—Best collection of varieties, covering not less than 100 square feet; first prize, gold medal, value \$50, or purse of \$50 in gold; second prize, silver medal, value \$25 or purse of \$25 in gold.

Collection of new French hydrangeas—Not less than six varieties, all introduced in 1909 or since; first prize, \$25; second prize, \$15.

Cryptomium falcatum Rochfordianum—Best specimen, \$10.

Adiantum Farleyense Glory of Moor-drecht—Best specimen, \$10.

Cyclamen persicum Glory of Wandsbek—Best six plants, \$10.

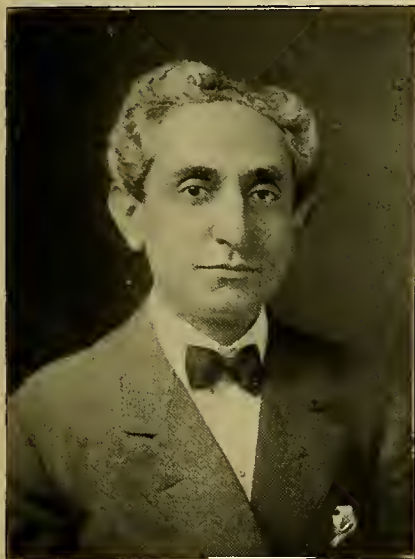
Primula obconica grandiflora crispa—Best six plants, \$10.

Chairman C. H. Totty announces that John Young, 54 West Twenty-eighth street, New York, has been appointed manager of the trade exhibition and general manager of the official programme.

OBITUARY.

M. Rice.

M. Rice, the senior member of the firm of M. Rice & Co., wholesale florists and supply dealers, 1220 Race street, Philadelphia, Pa., died early



The Late M. Rice.

Tuesday morning, April 23, of a fibrous tumor. Mr. Rice had been ailing for the past six months. He submitted to several operations but could not get

relief and gradually grew weaker and passed away as above stated.

Mr. Rice began his business career as a partner of the Philadelphia Immortelle Design Co. about thirty years ago. Several years later he engaged with the firm of Marschutz & Bacca-roh, succeeding to the business at the death of Mr. Marschutz. About 1900 B. Eschner became associated with Mr. Rice and in 1904 the present building was purchased. The firm prospered and grew rapidly, which necessitated additions to the property and required the securing of additional space in adjoining buildings. Mr. Rice was thoroughly informed in his business, energetic and ambitious, always anxious and obliging and very well liked by all his business associates and those who came in contact with him. He was one of the charter members of the Florists' Club of Philadelphia and in the early years took a great interest in its welfare. He was also a Mason and a member of the Royal Arcanum. He leaves a widow and four sisters.

His funeral, which took place from his residence in Oak Lane on Thursday afternoon, was largely attended. There were quantities of flowers from his many friends, the Florists' Club sending a handsome emblem.

The business will be carried on as before, Mr. Rice having laid plans in case of his illness interfering with his presence that Mr. Eschner would have charge and carry out his ideas for the future. K.

John Smith.

John Smith, one of the pioneer florists of Cleveland, O., died at his home in that city April 21 of Bright's disease in his seventy-first year. At the close of the civil war, through which he served with the 4th Ohio cavalry, he became connected with the Wm. Case Nursery of Cleveland, with whom he remained for five years. He then established himself in the florists' business which he conducted until 11 years ago when he retired. He is survived by a widow and four children, George W. Smith, manager of the Cleveland Florists' Exchange, being a son. The funeral was held April 23, the interment being in the family lot in Lake View cemetery. C. F. B.

NEW BRITAIN, CONN.—J. H. Thornley was found dead in bed April 8, death having been caused by heart trouble.

This Budding Knife Free



The Unrivaled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

THE AMERICAN FLORIST

1835 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 60 PAGES WITH COVER

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HARRY S. GARLAND desires to state that the demonstration with the gutters at the Tri-City Florists' Club meeting was entirely satisfactory, bringing out the points it was desired to disclose.

CLEANING UP DAY has been fixed as May 1 in many cities of the United States and whenever our florist and nursery friends have an opportunity they should seek to aid such a movement in their home town or city.

THE first number of The Rose Journal of the American Rose Society, to be issued quarterly, bears the date April, 1912. It contains in its eight pages the paper by W. G. McKendrick, Toronto, Ont., read before the society at Boston, and interesting articles by S. S. Sulliger, W. S. Sibson, J. F. Huss, J. A. Valentine, Theo. Wirth, M. H. Walsh, and details of the work of the American Rose Society, and is illustrated by half-tone portraits of President Farenwald, Robert Craig, father of the society, and E. Gurney Hill, the rose garden exhibit of Thomas Roland at the National Flower Show at Boston and Rose Newport Fairy. It is

nically printed on extra quality paper and the subscription price is 35 cents a year.

Society of American Florists.

PROPOSITION NOT DISCREDITED.

It is a matter of surprise that a man of Patrick O'Mara's standing and ability should make so bitter an attack on the executive committee and other men of repute in the Society of American Florists, as he has made recently, without attempting to ascertain and consider the facts at issue. Mr. O'Mara has not been an officer of the society for some ten years, has evidently not kept in close touch and has forgotten much of the routine in that long time.

Mr. O'Mara says the executive board has power of removal for disability on the part of any officer from the president down. Mr. O'Mara is mistaken. Nowhere do the by-laws grant such power.

Again Mr. O'Mara says "their [the executive board's] duties as a body are not legislative. Neither the letter nor the spirit of the constitution authorizes them to meddle with purely legislative matters. * * * I take issue flatly with him on these statements. Their duties are partly legislative. Both the letter and the spirit not only do authorize them to meddle (if Mr. O'Mara so chooses to put it) with legislative matters, but make it their express duty so to do. Further than this, the executive board has constantly done that very thing ever since the society was incorporated, and long before (eighteen years to my certain knowledge).

Let Mr. O'Mara read Article III of the constitution and by-laws (page 194, last annual report), also let him read the minutes of the executive board, page 21, and those of previous years; and, above all, let him try and remember what was done by the board in 1901 and 1902 when, I believe, he was a member.

He says the proposition was rejected twice by the society, but he ignores the fact that it was accepted by vote of the society last year. President Asmus recommended in his annual address that the office of secretary be made appointive. A committee consisting of Patrick Welch and four ex-presidents of the society submitted a committee report approving of the same and their report was "accepted and approved" by vote of the society (pages 96 and 97).

I feel sure that even so prejudiced a person as Mr. O'Mara will have to admit that there was no other course open to the board, following such action of the society, but to approve the necessary amendment so that it could be printed in the programme and come before the society to legally ratify or reject. The society is not in any way, shape or manner bound by this action of the board. The members are simply put in position to legally enact (by majority vote only, however) what they last year voted was desirable. My good friend does not want them to have any chance to vote on this proposition. I do.

I make no attempt at this time to discuss the real merits of the question, but have simply cut a slit in Patrick's balloon and let the hot air out of it. There is nothing left but the usual little handful of collapsed tissue paper—nothing else.

We have many of us considered Patrick O'Mara a big man, although with much of the demagogue in his make-up and an irresistible tendency to play to the gallery. I wonder if he is a big enough man to apologize for his unworthy insinuation against the integrity of the officers and directors of the S. A. F. contained in the following sentence: "What (or who) have they up their sleeve?" W. N. RUDD.

National Association of Gardeners.

The spring meeting of the executive committee of the National Association of Gardeners was held at Horticultural Hall, Philadelphia, Pa., Monday afternoon, April 15. Action was taken on what the association's reward should be for meritorious exhibits at its meetings and it was decided that a certificate of merit would be the highest award within the gift of the association.

Following an invitation extended by Anton Bauer, representing the Elberon Horticultural Society of New Jersey, to the members of the association to participate in its summer show which is to be held at Asbury Park on July 3-6, the association tendered the P. Hamilton Goodsell cup, valued at \$150, as a prize to be competed for at the Elberon summer show for the best collection of twenty-five foliage plants, palms and ferns included, in not over eight-inch pots. The association will also offer the William Kleinheinz cup, valued at \$50, for the best collection of sweet peas of not less than twelve varieties, and not less than twenty-five sprays to the vase, exhibited at the sweet pea show of the National Sweet Pea Society, at Boston, in July. The contests for these cups are restricted to members of the association.

President Logan appointed Messrs. Kleinheinz, Ebel and Bachelor a committee on schedule, to prepare a special association schedule for the International Show to be held in New York City in April, 1913.

An invitation received from the Elberon Horticultural Society by the association to hold its convention at Asbury Park in conjunction with the fall show of the Elberon Society in October will be acted on at the next meeting of the executive committee.

John J. Dodds, Anton Bauer and Benjamin Wyckoff, appointed an awards committee to judge the fine exhibit before the meeting, rendered their decision as follows:—Certificates of merit to Henry A. Dreer, Inc., for group of hydrangeas, also for Hydrangea Mme. Radmone; to Charles H. Totty for the carnation Wodenethe; to William Kleinheinz for the carnation Miss Dimple Widener; to Brant-Hentz Company for the rose Madison; to Robert Scott & Son for the rose Double Pink Killarney. Special mention was made of the exhibits of John Lewis Childs for Calla Elliottiana, Robert Scott & Son for the rose Melody, William Kleinheinz for Calceolaria Weartiana.

Following a suggestion that the association each year adopt a favorite flower as its symbol for the year, the carnation Wodenethe was selected as the emblem of the association for the year 1912.

Among the speakers heard at the meeting were William Kleinheinz, who urged the gardeners to do their utmost to make the International Show of next year a big success; John Dodds, who spoke on the benefits of belonging to the Society of American Florists, stating that the more the gardeners will identify themselves with floricultural and horticultural organizations the greater will become the influence of their profession in the affairs of horticulture. George C. Watson strongly endorsed what Mr. Dodds had to say and added there was also a great work ahead for the association in the solving of the many problems which are still confronting the professional gardeners, but that co-operation among the gardeners will soon make this organization a power which would be of lasting benefit to the gardener. John Westcott also spoke of the great good that the Society of American Florists has accomplished for the commercial men, saying that the same field is open to the association to accomplish equal

good for the professional or private gardeners. Other speakers heard were James Kennedy, president of the Elberon Horticultural Society; Benjamin Wyckoff, of Asbury Park; Austin C. Saylor and Walter Mott. Their subjects treated principally on the great progressiveness of the gardeners of this country and the bright outlook for the national association.

At the close of the meeting the visiting members were entertained at a dinner given by the local members at the Hotel Dooner. The dinner was served in the private dining room, the table being handsomely decorated with flowers provided by George C. Watson. After dinner the bowling contest between the individual members of the team which won the cup at the National Show in Boston, in March of last year, was rolled on the alleys of the Florists' Club of Philadelphia, the high score being rolled by John H. Dodds, making him the individual owner of the team's trophy. The summer meeting of the executive committee will take place at Boston on July 13, 1912.
M. C. EBEL, Sec'y.

Meetings Next Week.

Albany, N. Y., May 2, 8 p. m.—Albany Florists' Club, 71 State street.
Chicago, May 2, 8 p. m.—Chicago Florists' Club, Union Restaurant, 168 West Randolph street.
Lake Geneva, Wis., May 4, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association.
Lenox, Mass., May 4.—Lenox Horticultural Society.
Louisville, Ky., May 1, 8 p. m.—Kentucky Society of Florists, Third and Broadway.
Milwaukee, Wis., May 2, 8 p. m.—Milwaukee Florists' Club, St. Charles Hotel, City Hall square.
New Orleans, La., May 1, 8 p. m.—German Gardeners' Club, 624 Common street.
Newport, R. I., May 1.—Newport Horticultural Society.
Pasadena, Calif., May 3, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.
San Francisco, Calif., May 4.—Pacific Coast Horticultural Society.
Tacoma, Wash., May 2.—Tacoma Florists' Association, Hotel Tacoma.
Utica, N. Y., May 2, 8 p. m.—Utica Florists' Club, Genesee hall, Onelda square.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As foreman, by an expert grower of carnations; German; married; age 28 years. Address Key 611, care American Florist.

Situation Wanted—By a good carnation grower, capable of taking charge; state wages in the first letter. Address Key 609, care American Florist.

Situation Wanted—By a good all around greenhouse man; bedding plant experience; open for engagement May 1. Address Key 608, care American Florist.

Situation Wanted—By German florist; single; good grower of cut flowers and plants; strictly ober; prefer place near Chicago. Address Key 590, care American Florist.

Situation Wanted—By competent saleslady and designer; age 25; eight years' experience; good references; state particulars; good wages. Address Key 600, care American Florist.

Situation Wanted—An experienced gardener is desirous of securing a situation in a private place in or near Chicago. For further particulars Address Key 591, care American Florist.

Situation Wanted—By experienced gardener; German; as foreman in private place; married; best of references state particulars in first letter. Address Key 602, care American Florist.

Situation Wanted—In or near Chicago; an experienced carnation grower capable of taking charge; can furnish the best of references. For further particulars address Key 592, care American Florist.

Situation Wanted—As foreman or manager by first-class grower of choice pot plants and cut flowers. All in roses; German; good references; state particulars. Address Key 598, care American Florist.

Situation Wanted—As foreman, by florist, 35 years of age, married, 23 years' experience in all branches, private as well as commercial. Last employer retail. Address Key 604, care American Florist.

Help Wanted—First-class salesman and designers for our retail stores. Apply to HERMAN BERSHAD, care Loeser's, Fulton St., Brooklyn.

Help Wanted—At once, young man for pot plants and little landscape work; good wages, board and room. Address Key 612, care American Florist.

Help Wanted—A man experienced in all greenhouse work; steady job for the right man. Apply at once. M. FROELICH, 5525 Cornelia St., Austin St., Chicago.

Help Wanted—Assistant in florist store and greenhouse in Chicago. Steady work all year. State experience and wages, married or single. Address Key 616, care American Florist.

Help Wanted—Experienced orchardist and fruit grower. Single man preferred. State wages wanted in first letter. Apply to C. R. STARKE, Boys' Industrial School, Lancaster, Ohio.

Help Wanted—In B. C., Canada. An honest, sober, industrious, all around grower of pot plants and carnations. A steady job for the right man. Address Key 606, care American Florist.

Help Wanted—A German manufacturer, who makes special heating plants and boilers for greenhouses, desires to secure the services of a capable representative in America (An experienced florist preferred) to start immediately. Apply in writing to Key 610, care American Florist.

Help Wanted—Gardener to take hold of a couple of acres on gentleman's farm and make same into a first-class garden, vegetables and fruit; one who can direct flower planting at owner's residence in town preferred. All necessary help, fertilizers, tools, etc., will be furnished to accomplish desired results. Wages: \$50 per month, room and board on farm. Married man considered if wife willing to look after chickens. Box 270, Hinsdale, Ill.

For Sale—Good delivery horse at a bargain. STOLLERY BROS., 5063 Southport Ave., Chicago.

For Sale—Greenhouses and store; established trade; wish to retire. J. NELSON, 1747 W. Huron St., Chicago.

For Sale—Great Falls Floral Co.'s greenhouses and stack. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Cheap, greenhouses, good location, equipped; doing good business splendid opportunity for young man with small capital. G. W. PATTERSON, Cory, Pa.

For Sale—Retail florist business; well established; no incumbrance; low rent; splendid location; good chance for right party; bargain. Address Key 615, care American Florist.

For Sale—At a great bargain, for cash, at once an up-to-date retail florist store, established 30 years doing a good paying business in the middle west. Further information address Key 605, care American Florist.

For Sale—\$2500 cash will put you in possession of 30,000 feet of glass, balance to suit purchaser, place fully equipped and in good running order, good location and a rare opportunity for a good grower. Address Key 607, care American Florist.

For Sale—On account of age, two small greenhouses and four acres of land; a steadily increasing business done for years which could be easily doubled by a younger and stronger person; a snap for a young man. For full particulars Address Key 594, care American Florist.

For Sale—Greenhouses, 3,500 feet of glass, with store, small house and barn, in Michigan town of 13,000. A very good trade. This is not a business that does not pay, but will bear the closest investigation and will net the price of place in one year and a half. Right in center of city. Owner has enough to live on and will retire. Address Key 603, care American Florist.

For Rent—Reissig's greenhouses in Riverside, Ill.; 55,000 square feet of glass, and 12-room brick residence, both hot water heat; 10-room gardener's house; barn, chicken house and five acres of ground; orchard and shrubbery; all in good condition. Apply CHAS. W. REISSIG, Box 289, Riverside, Ill.

For Rent—Old established florist business; big funeral trade; main business street, Chicago; sell stock, fixtures and good will reasonable, and give long terms to responsible party. Address Key 614, care American Florist.

HELP WANTED

Two good rose growers.

Two good carnation growers.

Two helpers.

BASSETT & WASHBURN

HINSDALE, ILL.

WANTED.

An all-around storeman, experienced in designing and making up. Steady employment. Reference required from last employer. Call personally after 6 p. m.

A. LANGE, CHICAGO,
25 East Madison Street.

FOR SALE.

\$3,000 will put you in possession of about 10,000 feet of glass. One of the best towns in Illinois. No competition. A large trade. Can sell all that can be grown at good prices. Address WEARY & SNYDER, Dwight, Ill.

Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address Key 615, care American Florist.

SEEDSMAN OPEN

for engagement as General or Department Manager. One who thoroughly understands seeds and the seed business; an energetic worker now completing the seventh year of engagement with one firm. Correspondence solicited. Address Key 599, care American Florist.

FOR SALE-A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Ill.

For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line; good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE,
1607 Second Avenue, Rock Island, Ill.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

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Well Established Nursery.

Excellent located near one of Minnesota's most flourishing cities. Excellent railroad facilities. 120 acres in Apples, Small Fruit and Ornamental Stock. Good Buildings, Storage and Packing Cellar. Will be sold with or without land—long lease if desired. An exceptional opportunity if taken at once. Good reason for selling. Write

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THE TAG MAKERS

HYDRANGEAS

FOR SUMMER FLOWERING.

A splendid lot of retarded plants, in good, green tubs.



OTAKSA.

11-inch pail-tubs 5 to 6 leads, \$1.00
12-inch Riverton tubs, 8 to 10 " 2 50
14-inch " " 10 to 12 " 3.50

Jeanne d'Arc.

White flowering, an improvement on Thos. Hogg.

6-inch pots, bushy plants, 25 cents each.
10-inch pail-tubs, " " 75 " "

If you are interested in the New Hydrangeas which will no doubt prove to be the Greatest Novelty for Easter in the Eastern markets, send for our Special Circular, which offers not only the favorites of this season, but also a number of the newer sorts, which are not yet generally distributed and which are certain to prove valuable.

Dracaena Indivisa

A splendid lot of this most useful plant for summer use.

4-inch pots, \$1.50 per dozen; \$10.00 per 100.
5 " " 3.00 " " 20.00 " "
6 " " 4.00 " " 30.00 " "

Large plants in 7, 8 and 9-inch pots, 75 cents, \$1.00, \$1.50 and \$2.00.

The above prices are intended for the Trade only.

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Boddington's Quality Roses

Hardy Hybrid Perpetual Roses.

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name:

- Price, 75 cts. for 5 (of one variety), \$15.00 per 100, \$140.00 per 1,000 (immediate delivery).
- ALFRED COLOMB**—Carmine-crimson; a grand rose.
ANNE DE DIESBACH—Bright carmine.
BALL OF SNOW—Large, pure white.
BARONESS ROTHSCHILD—An exquisite shade of satiny pink.
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CLIO—Satin blush; very fine new sort.
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FRAU KARL DRUSCHKI—The finest white in existence.
GEN. JACQUEMINOT—Brilliant crimson.
JOHN HOPPER—Bright rose, with carmine center.
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MAGNA CHARTA—Dark pink; one of the easiest roses to grow.
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MRS. JOHN LAING—Rich, satiny pink.
MRS. SHARMAN-CRAWFORD—Deep rosy pink.
PAUL NEYRON—Lovely dark pink.
PERSIAN YELLOW—Hardy yellow rose.
PRINCE CAMILLE DE ROHAN—Dark crimson-maroon.
SOLEIL D'OR—Large, globular flowers, varying in color from gold and orange to reddish-gold, shaded with nasturtium-red.
ULRICH BRUNNER—Cherry-red; grand rose.

For Prices See Above.

Hybrid Tea, or Everblooming Roses.

HYBRID TEA, or EVERBLOOMING ROSES are becoming more popular every year; while not so hardy as the perpetuals, with slight protection in Winter they carry over in splendid shape and give a wealth of bloom all through the Summer months and late in the Fall till frost checks them.

- Bundle of 5 100
- AVOCA**—Color crimson-scarlet; buds very long and pointed; flowers large and sweetly perfumed \$1.75 \$25.00
- COUNTESS OF GOSFORD**—A very beautiful variety of the Hybrid Tea class, somewhat resembling Killarney. Color delicate pink; fine flower and bud; a splendid acquisition 1.00 17.50
- DEAN HOLE**—Large, full flowers; perfectly formed; large petals, silvery carmine shaded salmon; very distinct and free-flowering and a beautiful rose for all purposes. Awarded Gold Medal, N. R. S., of England 1.00 17.50
- DOROTHY PAGE ROBERTS**—A lovely shade of coppery pink suffused with apricot-yellow, more especially at the base of the petals, which are very large, massive and of great substance. Awarded a gold medal, National Rose Society of England. 1.75 25.00
- ELIZABETH BARNES**—Satiny salmon-rose, with a fawn center suffused with yellow, outside of petals deep rosy red, shaded with copper and yellow. The shades of color are most beautiful and novel. A truly grand and superb rose. 1.25 20.00
- KONIGIN KAROLA**—(Improved Testout.) Magnificent. 40 cents each. 1.75 30.00
- KAISERIN AUGUSTA VICTORIA**—An almost pure white rose. Shaded a beautiful primrose. Fine for indoor or outdoor Summer blooming 1.00 17.50
- THE LYON**—Originated by the raiser of Etoile de France. Perpetual flowering. Vigorous grower. The blooms are very large with broad petals, full and globular in form; shrimp-pink at the end of the petals, center coral-red or salmon-pink, shaded with chrome-yellow. Very fragrant 1.00 17.50

- Bundle of 5 100
- THE KILLARNEY ROSE**—This is a grand rose for either indoor or outdoor cultivation; is a strong grower and the blooms, which are of a beautiful pink, are borne in great profusion \$1.00 \$17.50
- MAMAN COCHET ROSES**—The best of all Roses for Summer-flowering and cutting.
MAMAN COCHET (PINK)—Color a clear, rich pink changing to silvery rose; very double and fragrant.85 15.00
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- ROSE, ETOILE DE FRANCE**—Superb crimson-red velvet, the center of the bloom vivid cerise-red. The Queen of the Everblooming Red Roses. The most free-blooming and vigorous Red Rose ever introduced85 15.00
- BESSIE BROWN**—Creamy white. 1.25 20.00
- GRUSS AN TEPLITZ**—No rose in commerce can compare with this as a bedder. It is a perfect sheet of richest crimson-scarlet all Summer. A strong, vigorous grower.85 15.00
- RICHMOND**—The well-known red rose of commerce 1.00 17.50
- PRESIDENT CARNOT**—Almost pure white rose, shading to soft pink, very distinct and excellent for indoor or outdoor Summer growing 1.00 17.50
- BETTY**—Coppery-yellow, overspread with golden-rose 1.25 20.00
- MADAME ABEL CHATENAY**—Carmine-rose, shaded salmon-pink. 1.00 17.50
- MILDRED GRANT**—Cream, with a faint blush of pale rose. 1.00 17.50
- AMERICAN BEAUTY**—Almost too well-known for description, but as popular today as twenty years ago. Rosy carmine, shaded salmon, flowers large and full; very floriferous85 15.00
- CAROLINE TESTOUT**—Bright satin rose, with brighter center, large, full, globular85 15.00
- LIBERTY**—Very free-flowering, bright crimson-scarlet, of an even shade throughout; floriferous 1.00 17.50
- MRS. AARON WARD**—Indian-yellow, occasionally washed salmon-rose; very large, full, elongated flowers, very free. 1.75 25.00
- MOLLY SHARMAN-CRAWFORD**—Large, full flower; color delicate eau-de-Nil, which, as the flower expands, becomes dazzling white 2.00 30.00
- MME. JULES GROLEZ**—A beautiful satiny china-rose color, very bright and attractive. A distinct and pretty rose, which should be planted extensively. 1.00 17.50
- MME. RAVARY**—Buds golden yellow, open flowers, nankeen-yellow 1.25 20.00
- VISCONTRESS FOLKESTONE**—A large, full flower of creamy pink, shading to deep salmon-pink at the center; very floriferous 1.50 22.50
- WILLIAM SHEAN**—Purest pink, with delicate veination; petals shell-shape. Gold Medal N. R. S., England. 1.25 20.00
- WHITE KILLARNEY**—This white queen of the Irish roses excels any other of its class. The color is pure white. White Killarney, like its prototype, is unusually hardy and without protection has stood severe Winters as far north as Boston. . 1.75 25.00

Baby Rambler Roses.

- CATHERINE SEIMETH**—A white Baby Rambler Rose, larger and better flowers than the type. An important fact is that it has the true rose perfume in a high degree. 75 cts. for 5, \$14.00 per 100.
- BABY DOROTHY**—The same in habit as Baby Rambler, but the color of the flower is similar to Dorothy Perkins. "Baby Dorothy," when planted out, flowers perpetually from Spring until Autumn. 75 cents for bundle of 5, \$14.00 per 100.
- MME. NORBERT LEVAVASSEUR (The Original Baby Rambler)**—A dwarf-growing, ever-blooming Crimson Rambler. This blooms when a small plant and forms clusters of flowers as large as the Crimson Rambler. 75 cents for 5, \$14.00 per 100.

Arthur T. Boddington, SEEDSMAN, 342 West 14th Street, New York City

LILIES - - ROSES

LILIES, SPECIAL, \$6.00 Per 100.

Big Crop of AMERICAN BEAUTIES Now In

We grow all the flowers we sell and guarantee them to be absolutely fresh.

BUY DIRECT OF THE GROWER

CURRENT PRICE LIST Subject to change without notice

AMERICAN BEAUTIES.		Per doz.
Extra long	\$3.00 to \$4.00	
30-in.	2.50	
20 to 24-in.	1.50 to 2.00	
15-in.	1.00	
12-in. ....	.50 to .75	

RHEA REID.		Per 100.
Extra long select	\$8.00	
Good length	\$6.00 to 7.00	
Medium length	5.00	
Short	3.00 to 4.00	

MRS. AARON WARD.		Per 100.
Extra long	\$8.00 to \$10.00	
Medium and good lengths.	6.00	
Short lengths	4.00	

WHITE AND PINK KILLARNEY, PERLE AND RICHMOND.		Per 100.
Extra long select	\$8.00	
Good length	6.00	
Medium length	4.00 to 5.00	
Short	3.00	

CARNATIONS.		Per 100.
Extra long fancy O. P. BASSETT.	\$3.00	
Fancy white	3.00	
Fancy pink	2.00 to 3.00	
Fancy dark pink	2.00 to 3.00	

EXTRA FINE EASTER LILIES.		Per 100.
Per dozen	\$1.00	
Per 100	6.00	
LILY OF THE VALLEY	\$3.00 to \$4.00	
ASPARAGUS SPRAYS	per 100, 3.00 to 4.00	
ADIANTUM	per 100, 1.00	
GALAX, Green & Bronze.	per 1,000, 1.25	
FERNS	per 1,000, 3.00	

Bassett & Washburn, Chicago

Store and Office: 131 N. Wabash Ave.

Greenhouses: Hinsdale, Ill.

Chicago

THE OUTLOOK MORE OPTIMISTIC.

The pleasant smiles and happy faces of the proprietors of the several stores in the wholesale market indicate very plainly that the trade has completely recovered from the stagnation that invariably follows a floral holiday and has resumed its normal condition, and business during the last few days of the past week and the beginning of this has improved wonderfully. While there is a large amount of stock being received yet it is finding a good call and cleans up very well. The receipts of roses are still very large, especially of the teas and hybrid teas, but there is an excellent demand, both by the home trade and for shipment, and the stock does not tarry long in the hands of the dealers. American Beauties are having a good sale and the amount of stock is not too large to meet the requests. Killarney, White Killarney, My Maryland, Richmond and Mrs. Jardine are of most excellent quality and in large quantities, and are all having good sale. There are also good receipts of the newer roses and they also sell readily, some very fine Mrs. Aaron Ward are now shown. Carnations are none too plentiful, the demand fully equalling the receipts and the call for the first quality is exceptionally good, some of the dealers advancing the price during the last week. Lilies and callas are in great supply and are moving very slowly. Lily of the valley is also quite plentiful, the quality is, however, very fine and there is a good call for this brides' favorite flower. Orchids are not in large supply, but they are sold at a price which enables the retailer to feature them in the window displays. Sweet peas are very plentiful and some of the stock is of the highest grade and can be seen in profusion in the windows. Gardenias are plentiful enough

to easily supply all the requests. Bulbous stock from outside is beginning to make its appearance and the greenhouse product is shortening up very rapidly. Trailing arbutus is being received in quantity and the stores are showing it prominently and many corsages of this exceedingly sweet, fragrant flower are seen decorating the shoppers. Lilac is arriving from the south and there is still some bulb stock being received from that quarter. Antirrhinums are very plentiful and some of the stock is grand, one of the retailers making a great show of the beautiful pink shade. Pansies are very plentiful and there are some very large flowers to be had. Mignonette is of good quality and some extra long stock is seen. Marguerites are shown in good quantity, both yellow and white, and there is a very good demand for them. Greens are in only fair supply, asparagus being the most plentiful and smilax is quite short. Hardy ferns are still held at good prices.

NOTES.

The Chicago Flower Growers' Association held a very successful meeting last week and the third quarterly report sounded so good to the directors and the 25 stockholders that were present that they made arrangements with J. F. Kidwell, the president, to accept the management and to look after the welfare of the association in the future. Mr. Kidwell has engaged Michael Fink to fill the vacancy which will occur soon when Chas. Ernie goes into the wholesale business for himself.

Chas. W. McKellar is moving into his new store at 20 East Randolph street and will soon be comfortably located in his handsome new quarters. The well known florist needs no introduction to the readers for he has been identified with the wholesale business for a great many years and has a host

U S Budlong's E Blue Ribbon Valley.

of friends and a large number of customers who wish him continued prosperity in his new location.

Tim Matchen says that trade at Peter Reinberg's is very good and that stock in all lines is finding good sale. This firm is now receiving a good supply of long stemmed American Beauty and Sunrise roses. The latter are meeting with good sale and leading florists are now using them quite extensively in decorative work.

The Horticultural Society held an adjourned meeting at the Art Institute April 22, when plans for the next spring show were discussed. Important business will come up for consideration at the next meeting, to be held at the City Club, Tuesday, April 30, at 6:30 p. m.

Mrs. E. E. Pieser was operated upon in the St. Luke's Hospital this week for appendicitis and gall stones and is reported to be in a very serious condition.

W. P. Kyle says that trade at Kyle & Foerster's store has picked up considerably and that April 19 and 20 were both exceptionally good days.

The spring importation of box trees is being unpacked at Vaughan's Greenhouses this week and Japanese cycas stems are giving out.

Miss Gertrude Wallace has returned from a pleasant visit with friends at Milwaukee, Wis.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

For Spring Weddings

Use Poehlmann's Fancy Valley



CURRENT PRICE LIST

AMERICAN BEAUTIES,	Per Doz.			
Specials	\$4.00			
36-Inch	3.00			
30-Inch	2.50			
24-Inch	2.00			
20-Inch	1.50			
15-Inch	1.25			
12-Inch	1.00			
Short stem	per 100 \$4.00 to 6.00			
PRINCE DE BULGARIE, Antolne Rivoire or Mrs. Taft.	Per 100			
Fancy	\$10.00 to \$12.00			
Medium	8.00			
Short	6.00			
MELODY, fancy long	\$10.00 to \$12.00			
Medium	8.00			
Short	6.00			
MRS. AARON WARD.				
Fancy Long	\$10.00 to \$12.00			
Medium	8.00			
Short	6.00			
RICHMOND, select	\$10.00			
Fancy	8.00			
Medium	6.00			
Good Short	3.00			
KILLARNEY, select	\$10.00			
Fancy	8.00			
Medium	6.00			
Good Short	3.00			
WHITE KILLARNEY, select	\$10.00			
Fancy	8.00			
Medium	6.00			
Good Short	3.00			
ROSES, extra special billed accordingly.				
CARNATIONS, fancy	\$ 3.00			
" firsts	2.00			
" common splits	\$1.00 to 1.50			
ORCHIDS, Cattleyans, per doz.	\$ 7.50 to \$ 9.00			
EASTER LILIES, per doz., \$1.50	8.00 to 10.00			
TULIPS, Double Murillo	3.00			
SPANISH IRIS	6.00			
VALLEY	3.00 to 4.00			
MIGNONETTE, large spikes	4.00			
PANSIES, fancy large	1.00			
SWEET PEAS, common .....	.30 to .60			
SWEET PEAS, fancy .....	.75			
ADIANTUM CROWEANUM	1.00			
SMILAX	per doz., \$2.50 to 3.00			
SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00			
PLUMOSUS STRING	each .60			
FERNS	per 1000 3.00			
GALAX	per 1000 1.25			
LEUCOTHOE	per 100 .75			
BOXWOOD	per buuch, 25; per case of 50 lbs. 7.50			

Good Short Stem Roses, \$20.00 per 1000; 500 at the same rate.

**POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES**

We make these a speciality.
Can supply them all the Year.
Once tried you will have no other

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Big Crops of Everything

FINEST STOCK IN THE CHICAGO MARKET. BAR NONE.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

Per Dozen		Per Dozen	
60-inch stems.....	\$4 00	24-inch stems.....	\$1.50
48-inch stems.....	3.00	20-inch stems.....	1.25
36-inch stems.....	2 50	15-inch stems.....	1.00
30-inch stems.....	2.00	Short Stems.....	.75

Killarney.

Per 100	
Extra special.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Richmond

Per 100	
Extra specials.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stem.....	2.00

Jardine

Per 100	
Fancy, 24-inch stems.....	\$8.00
Good, 15 ".....	6.00
Short.....	4.00

White Killarney

Per 100	
Extra specials.....	7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Uncle John

Fancy.....	\$6.00
Good.....	3.00
Short.....	2.00

Roses, our selection - - - \$2.00

Carnations,

Special.....	\$2.50
Fancy.....	2.00
Good.....	1.50

HARRISSI..... 8.00 to 10.00

FERNS, per 1000, \$3.50. SMILAX, per doz., \$2 to \$3.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

Wietor Bros. are still cutting a good supply of long, medium and short stemmed American Beauty roses and the quality is so good that the proprietors are experiencing but little trouble in disposing of them at fancy prices. N. J. Wietor is still undecided as to whether he will make his coast to coast tour in his auto or whether he will join the "Pikers' Club" and fish for muskies at White Sand Lake, Wis. The firm planted their first carnations out doors this week and about 500,000 plants will be set out.

Poehlmann Bros. Co. is supplying their customers with all kinds of seasonable flowers from the little pansy to large American Beauty roses. The cut of stock in general is very large and is moving readily, especially lily of the valley, which is one of the leading features at this house this week. The supply department is doing a good business and a nice trade is now being worked up in this line.

Wm. Sgoros, of the Madison Floral Co., is now conducting the flower stand in the Mandel block in addition to his store on the corner of Madison and Clark streets. Billy is a great friend and admirer of Knockout Brown and says that the fighting demon will some day be the champion of his class.

Wilder Deamud has returned from a successful business trip to Rhinebeck, N. Y., and Cleveland, O., and is again attending to his duties at the J. B. Deamud Co.'s store. Wilder says that he had a delightful trip even though he traveled about 5,000 miles in five days.

A. T. Pyfer says that the Chicago Carnation Co.'s baseball team lost their first game this season when they crossed bats with the crack White Cross nine at Joliet last Sunday. The score stood 4 to 3 in the sixth inning, when the game was called on account of rain.

C. L. Washburn and son, E. B. Washburn, are devoting their spare time to overhauling the auto in anticipation of a tour to southern California. Master Story Washburn will celebrate his first birthday with a party next Saturday, April 27.

A. L. Vaughan has returned from West Baden where he took the bath treatments and enjoyed the time by riding horseback through the surrounding country. The genial wholesaler is feeling fine and is back on the job ready for a busy season.

Miss Hertha V. Tonner's many friends think that she is happy these days because stock is selling at much better prices, but the more observing ones are inclined to think that it is because she is wearing a beautiful diamond ring.

John Michelsen says that trade at the E. C. Amling Co.'s store is much better this week and that stock in general cleans up well. This house is as usual offering a full line of stock and fancy Killarney roses are very noticeable.

Paul M. Bryant, formerly with E. H. Hunt, has returned from a visit to Milwaukee and St. Louis and is now seriously considering going into one of the branches of the florist business for himself.

W. L. Sullivan, of the Woodlawn Floral Shop, is featuring a log cabin scene in his window display in his East Sixty-third street store, that is attracting attention and favorable comment.

Joe Weis, who recently gave up the wholesale business to go into the retail business on Southport avenue, says that trade is fine and that there is a good demand for funeral work.

E. E. Pieser, the Peony King, says that the last reports from his peony farms were to the effect that the crops

U S Budlong's E Blue Ribbon Valley.

would be light but the supply of pink will be good.

Harry Manheim, Hoerber Bros' store man, is again teaching his former assistant, Joe Eringer, the ins and outs of the wholesale cut-flower business.

Weiland & Risch are filling a large number of orders for plants and they say that the demand for marguerites is exceedingly large.

John Kruchten is finding a good market for his choice gardenias and is now filling some large orders for his regular customers.

O. Johnson says that the Batavia Greenhouse Co. is enjoying a fine business and that stock is now cleaning up fairly well.

M. Wolniewicz, 3301 N. Claremont avenue, is remodeling his place and getting things in shape for the coming season.

Winterson's Seed Store has leased the basement of several of the adjoining buildings for use during the busy season.

Zech & Mann say that both the local and shipping trade is good and that business in general is very satisfactory.

Stollery Bros. have just purchased a new 30 h. p. E. M. F. delivery car and are now offering their horse for sale.

H. C. Blewitt, of Des Plaines, is serving on the jury in the municipal court this week.

Peter Reinberg

30 East Randolph St., CHICAGO.

WHITE AND PINK KILLARNEYS

RICHMOND BEAUTIES

And a Large Supply of all the other Leading Varieties of Roses.

CARNATIONS

Fine Large RED, WHITE and PINK Blooms.

Roses, in 1000 lots, Short..... 20.00 per 1000.

Roses, in 1000 lots, Medium..... 30.00 per 1000.

CURRENT PRICE LIST.

Send Your Orders Direct to the Grower and They Will be Taken Care of

AMERICAN BEAUTIES	Per doz.		
Extra long stems.....	\$4 00	Perle.....	Select \$6 00
36 inch stems.....	3 50	Sunrise.....	Medium 5 00
30 inch stems.....	3 00		Short 3 00 to 4 00
24 inch stems.....	2 50	Roses, our selection.....	3 00
20 inch stems.....	2 00	Carnations	1 50
15 inch stems.....	1 50	Fancy	2 00 to 2 50
12 inch stems.....	1 25	Harrisii	per doz. 1 50
Short Beauties.....	\$.50 to 1 00	Valley	3 00 to 4 00
Richmond	Select	Sweet peas	75 to 1 00
Killarney	Medium	Tulips	3 00 to 4 00
White Killarney	Short	Adiantum	1 00
My Maryland		Asparagus, per bunch.....	50
		Ferns, per 1,000.....	3 00

Chas. Erne, who has leased the store formerly occupied by Chas. W. McKellar, says that he expects to be open for business about May 7 and cordially invites the trade to pay him a visit. Mr. Erne has been identified with the wholesale business for a great many years and is sure to meet with much success in his new undertaking.

The John C. Moninger Co. say that business in the greenhouse manufacturing line is fine and that the boiler business also has a very bright outlook. This firm is now mailing their boiler bulletin No. 10 and a card addressed to this firm at 902 Blackhawk street will be acknowledged by the receipt of a copy gratuitously.

The Des Plaines Floral Co. is shipping a very fine grade of Conquest carnations to the Chicago Flower Growers' Association's store. Blewitt & Prickett, the growers, have had great success with this variety and they say that it is one of the best money makers on their place.

The Cook County Florists' Association held a very successful meeting at

the Union Restaurant, last Thursday, April 18, and many of the members were present. The association will hold its regular meetings the third Thursday of the month and the Union Restaurant has been selected as the meeting place.

J. A. Budlong's leading features this week are fancy Mrs. Jardine and My Maryland roses and the supply is very large. Phil Schupp thinks a great deal of the last named rose and so do also some of his customers, for they are ordering them in preference to the Killarney.

J. C. Craig had several large orders for the Newcomb funeral on April 21 and many beautiful designs were delivered to the family residence on Michigan avenue and later transferred to St. Louis, where the funeral was held.

Lublimer & Trinz, the East Randolph street florists, say that their business was so good the past week that they were obliged to put on additional help to properly serve their many customers.

U S Budlong's E Blue Ribbon Valley.

Geo. Reinberg is rebuilding the five greenhouses that were blown down by the storm last fall and will again plant them with Richmond roses.

Fred. Lautenschlager says that Kroschell Bros. Co.'s exhibit at the convention in August will be something out of the ordinary and a surprise to all those who attend.

D. E. Freres, the enterprising young wholesaler, celebrated his twenty-sixth birthday last Friday, April 19.

Frank Gerom of the American Importing Co., has returned from a business trip to Milwaukee.

Geo. Peterson of Escanaba, Mich., was in the city on business this week.

HEADQUARTERS

**FOR FANCY SWEET PEAS,
IRIS, ROSES, CARNATIONS, VALLEY
And Everything Seasonable.
Especially Fine Flowers for Wedding Bouquets, Corsages, Etc.**

CURRENT PRICE LIST.

AMERICAN BEAUTIES.	Per Doz.		Per 100
Specials	\$4.00	CARNATIONS, fancy	\$2.00
36-inch	3.00	" firsts	1.50
30-inch	2.50	" common splits	1.00
24-inch	2.00	ORCHIDS, Cattleyas, per doz.	\$7.50 to \$ 9.00
20-inch	1.50	CALLAS, per doz., \$1.50.	12.00
15-inch	1.25	TULIPS	2.00 to 3.00
12-inch	1.00	SPANISH IRIS	4.00 to 6.00
Short stem	per 100 \$4.00 to \$6.00	VALLEY	3.00 to 4.00
	Per 100	MIGNONETTE, large spikes	4.00
RICHMOND, select	\$8.00	SWEET PEAS, common .....	.50 to .75
Fancy	6.00	ADIANTUM CROWNEANUM .....	.60 to 1.00
Medium	4.00	SMILAX	per doz., 2.50 to 3.00
Good short	3.00	SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00
KILLARNEY, select	\$8.00	PLUMOSUS STRINGS	each .60
Fancy	6.00	FERNS	per 1000 2.50
Medium	4.00	GALAX	per 1000 1.25
Good Short	3.00	LEUCOTHOE	per 100 .75
WHITE KILLARNEY, select	\$8.00		
Fancy	6.00		
Medium	4.00		
Good short	3.00		

A. L. VAUGHAN & CO.

Telephones, Central 2571 and 2572.

161 N. Wabash Ave., - - - - - Chicago

Wieland's new store on East Washington street is very commodious and nicely furnished. It has two entrances, one on the street, above which is a fine show window filled with plants and flowers, and the other directly opposite the elevator in the main hall of the building. Beside this entrance is a nice showcase in which flowers are kept to attract the many visitors to the building. Manager John Risch feels very well satisfied with the trade which has patronized the new enterprise and feels justly encouraged with the venture.

Louis Wittbold was on the sick list for a few days this week. His firm, the Geo. Wittbold Co., is expecting a large shipment of bay trees, the box trees having arrived some time previous. A circular has been mailed their patrons which contains a beautiful colored illustration of the planting of an estate and executed by them. It is nicely printed and plainly indicates the beautiful effect of appropriate planting of trees and shrubs.

A very busy week is reported at the store of W. J. Smyth on Michigan avenue. A wedding decoration in the Congress hotel and two elaborate casket covers in addition to the regular trade kept the force very busy.

Vaughan's Seed Store is now receiving its new season's output of sphagnum in burlap bags. This supply comes from a large marsh never before "mossed," insuring clean, live sphagnum.

H. Van Gelder, of Percy Jones, is expecting another large shipment of supplies and is now better prepared than ever to take care of his increasing trade.

The A. L. Randall Co. is showing a full line of all kinds both in cut flowers and in supplies and the demand is very good.

Removal Notice.

On and after May 1st, I will be located in my new store, **Room 209 Atlas Block**, where my facilities for handling Cut Flowers and Florists' Supplies will be more than tripled, which will enable me to handle additional consignments to advantage, and I shall be pleased to hear from growers having Cut Flowers and Decorative Stock to consign to this market. Address all mail and telegrams to **30 East Randolph Street**. I also have private entrance at 22 East Randolph Street. Extending you a cordial invitation to give me a call, and hoping to be favored with your future patronage in my new quarters,

Respectfully,

Charles W. McKellar,
30 E. Randolph St., Chicago.

John A. Huebner has leased the basement at 11 West Randolph street for another five years.

Milton Americana, representing Lion & Company, New York, is selling ribbons here this week.

E. H. Hunt is filling some good sized orders for greenhouse supplies, especially putty.

A. Miller, of A. Henderson & Co., is expected home from Texas this week.

Visitors: F. C. Kaiser, Milwaukee, Wis.; J. A. Biggan, with the Coates House Florist, Kansas City, Mo.; F. A. Gerlach, Mitchell Park, Milwaukee, Wis.; John Evans, Richmond, Ind.

IPSWICH, MASS.—W. W. Davy had a very fine display of Easter plants and flowers at his greenhouses on Locust Road during Easter week.

U
S **Budlong's**
E **Blue Ribbon Valley.**

UHRICHSVILLE, O.—The Denison Floral Co. has been incorporated with a capital stock of \$10,000 to conduct greenhouses. The incorporators are E. R. Van Ostran, W. H. Smith, W. G. Smith, J. C. Rayl and Jesse Denison.

MIDDLETOWN, N. Y.—F. X. Dienst held his Easter sale in the store of the Holmes Music Co. in Corwin block.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones | Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres
G. C. WEILAND, Sec'y.

Extra Fancy Spanish Iris

ALL COLORS
\$5.00 per 100.

Also Choice
KILLARNEYS,
OTHER ROSES
AND
CARNATIONS

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 4.00	\$ 3.50	\$ 3.00	\$ 2.00	\$ 1.00	.....	.....
Killarneys.....per 100	8.00	6.00	5.00	4.00	3.00	2.00	.....
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Maid.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Brides.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Carnations.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Callas.....	3.00	2.00	1.50	1.00	.....	.....	.....
Easter Lilies.....	10.00	.....	.....	.....	.....	.....	.....
Orchids, Cattleyas.....	10.00	8.00	6.00	.....	.....	.....	.....
Lily of the Valley.....	50.00	35.00	.....	.....	.....	.....	.....
Sweet Pea.....	4.00	3.00	2.00	.....	.....	.....	.....
Mignonette.....	.75	.50	.35	.....	.....	.....	.....
Daffodils.....	4.00	3.00	.....	.....	.....	.....	.....
Tulips, assorted colors.....	4.00	3.00	.....	.....	.....	.....	.....
Jonquils.....	3.00	2.00	.....	.....	.....	.....	.....
Pais-es.....	4.00	3.00	.....	.....	.....	.....	.....
Asparagus Plumosus Sprays..	1.00	.75	.....	.....	.....	.....	.....
Asparagus Sprenger Sprays..	4.00	3.00	2.00	.....	.....	.....	.....
Mexican Ivy, \$5.00 per 1000....	4.00	3.00	2.00	.....	.....	.....	.....
Smilax.....	.60	.....	.....	.....	.....	.....	.....
Adiantums.....	25.00	16.00	.....	.....	.....	.....	.....
Galax, Green or Bronze.....per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns.....	1.00	.....	.....	.....	.....	.....	.....
	3.00	2.50	.....	.....	.....	.....	.....

“The Busiest House in Chicago.”

EXTRA FANCY

QUANTITY

**Iris, Sweet Peas, Carnations,
Roses, Valley and Double Violets**

QUALITY

J. B. DEAMUD CO.

Phones | Central 3155. 160 N. Wabash Ave., CHICAGO
Auto. 44-389.

O. P. Bassett Auto Touring in California.

O. P. Bassett, of the firm of Bassett & Washburn, and father-in-law of C. L. Washburn, the well known wholesale dealer of Chicago, is thoroughly enjoying life in California traveling over the state in an automobile. He is now 77 years old and is a great lover of outdoor life and has traveled many thousands of miles in his auto and when not enjoying himself in this way emulates President Taft and takes his turn on the golf links. He lately took a trip covering 650 miles in 2½ days, the roads being like a boulevard, and on the second day making an early start covered 286 miles, stopping only for lunch. The recent rains, however, have made the roads very muddy and in a trip from San Francisco to Los Angeles, after the car ploughed

through the mud up and down hill, even requiring the low gear on some of the down grades, in Eagle canyon after nightfall the engine became heated and finally caught fire. The blaze was extinguished without serious damage, but the battery was so burned that the car was stalled. Not knowing the roads Mr. and Mrs. Bassett decided to stay in the car until morning, notwithstanding it was one of the coldest nights of the year, so wrapped up in blankets they made themselves as comfortable as possible until morning, when a farm house was sought and a telephone message brought a trouble car to their assistance. The car was able to reach a garage with its own power but had to be thoroughly overhauled before the journey could be continued. Mr. Bassett cordially invites any of the florists

U S E Budlong's Blue Ribbon Valley.

to visit him at his home in the Golden State and desires them to remember that the latch string is always out and they will meet with a cordial welcome.

BRIDGEPORT, CONN.—A new retail store has been opened at 1038 Main street as the Park Flower Shop, which is connected with the Park Gardens' greenhouses opposite Beardsley park.

LARGE ASSORTMENT OF EXCEPTIONALLY FINE STOCK

GARDENIAS

Roses, Sweet Peas, Lilies,
Carnations,

Valley, Callas, Spanish Iris,

And Every Other Seasonable Flower. Also Greens.

JOHN KRUCHTEN

162 N. Wabash Ave., Phone Central 6269 CHICAGO

E. F. WINTERSON CO.

166 N. Wabash Ave.,
CHICAGO

Orders for Cut Flowers and Greens will receive our prompt attention.

Cut Flowers AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

Rochester, N. Y.

The enormous rush of the Easter season is over, but business on the whole is very good indeed. All that is needed is some real spring weather. This would make a great difference to trade. The supply of flowers remains quite plentiful. Sweet peas are abundant and of good quality. Flowering plants are still in evidence and sell fairly well. The bulbs are beginning to fall off. The weather is hardly suitable to commence gardening, but as soon as it becomes settled and warmer many of the florists will get in full swing. Spring plant trade promises to be good, and many orders are being taken.

NOTES.

At the last monthly meeting of the Rochester Florists' Association President Dunbar gave a very interesting address on "Pruning." He illustrated his talk with lantern slides, showing the proper way to obtain beautiful trees and shrubs. At the next monthly meeting William Perie (gardener to George Eastman) will speak on "The Way to Make a Good Lawn." All members interested in this part of the business should be present.

The decorations at the Pure Food Show, held at Convention Hall and consisting of hanging baskets filled with geraniums, rhododendrons and other blooming plants, and ferns around the orchestra stand, was the work of George T. Boucher.

Miss Lillian Wheeler of the Rochester Floral Co. has been very sick for nearly two weeks. We are glad to state that she is making slow but good progress. Miss Myrtie Bradstreet of

the same company is expected home about May 1. She, with her mother and sister, have spent the winter in Florida.

H. E. Wilson is growing some extra fine lily of the valley and the stock of spring plants is in fine condition, there being thousands of variegated vincas. The new delivery atno, which is painted yellow, is attracting much attention.

Chas. Curtis is cutting some extra fine sweet peas that find ready sale; the lavender variety is especially good.

H. J. H.

Northern Indiana Florists' Association.

The spring quarterly meeting of the Northern Indiana Florists' Association was held at Kokomo, Wednesday, April 17, in the Frances hotel, with President Johnson in the chair, and twenty-two members present. W. W. Coles of Kokomo presented the names of T. L. Knipe, W. A. Bitler and Fred Kelly, of Kokomo, for membership, who were accepted and admitted.

A practical talk on growing carnations was given by W. J. Vesey, Jr., of Ft. Wayne, and a general discussion followed. Brief addresses were made by W. W. Coles and T. L. Knipe and the meeting adjourned to meet in July at Warsaw.

An elegantly appointed dinner was served at the hotel, the room being elaborately decorated with potted plants and cut flowers from the Knipe greenhouses and the Coles Rose Farm. Among the guests were Mrs. Alonzo Ullsh of Wabash, Mrs. W. W. Coles and Mrs. W. J. McElwaine of Kokomo,

being the only ladies present. During the afternoon the visiting florists were taken on a tour of inspection to the greenhouses of the city. They expressed themselves as being well pleased with their reception and entertainment and hoped to have a meeting in Kokomo again in the near future.

E. M. D.

Nassau County Horticultural Society.

A regular monthly meeting of the Nassau Horticultural Society was held at Pembroke Hall, Glen Cove, on the evening of April 10, President J. F. Johnston presiding. One application for membership was received. Offers of special prizes for the coming fall show were read from the following: J. M. Thorburn & Co., Julius Roehrs Co., Peter Henderson & Co., Vaughan's Seed Store, Stumpp & Walter Co., Cottage Gardens, Mrs. J. R. Wasewell, Pino Typtol Co., R. Meserol and H. C. Smith. Prizes are offered at the next meeting for three lettuce, two cauliflower and six tomatoes.

JAMES MACDONALD, Sec'y.

Chicago Bowling.

The following are the individual and team scores that the local florists made who were entered in the state tournament now being held at Bensinger's alleys, West Randolph street:

Two Men Teams.		Individuals.	
Huebner	133 137 191	E. Farley	155 182 117
Wm. Wolf	130 152 153	W. Wolf	140 120 161
Farley	160 130 182	C. Ballif	199 176 184
Krauss	166 195 132	J. Huebner	170 129 175
Zech	192 172 142	A. Zech	157 169 153
Ballif	208 154 170		

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Chicago's Largest Wholesale Cut Flower and Supply House
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Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

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U S Budlong's E Blue Ribbon Valley.

Holyoke, Mass.

A meeting of the Holyoke and Northampton Florists' and Gardeners' Club was held April 9 at Bonnie Brae Conservatories on the estate of C. E. Mackintosh. Interesting papers were read by William Tickey of Northampton on the propagation of chrysanthemums and the care and management of the young plants. A. Foulles of Amherst read a paper on "Timely Reminders for the Present Season," and G. H. Sinclair of Holyoke gave a talk on orchids, illustrating his talk with an exhibition of recently imported varieties. A committee was appointed to make arrangements for a field day to be held some time during the coming summer. Three new members were admitted to the society. The society is making great progress since its organization.

G. STRUGNELL.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS
 A Specialty..... WHOLESALE GROWER OF **CUT FLOWERS**

Percy Jones

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, April 24.		Per doz.
Roses, Beauty, specials.....		4 00
" " 35-in.....		3 00
" " 30-in.....		2 50
" " 24-in.....		2 00
" " 15-20-in.....	1 25	1 50
" " 12-in.....		1 00
" " Short.....	4 00	6 00
" Killarney.....	2 00	8 00
" White Killarney.....	2 00	8 00
" Richmond.....	2 00	8 00
" Prince de Bulgarie.....	6 00	12 00
" Mrs. Aaron Ward.....	2 00	8 00
" My Maryland.....	3 00	8 00
" Perle.....	6 00	12 00
" Melody.....	2 00	8 00
" Bride.....	2 00	8 00
" Bride's maid.....	2 00	8 00
" Uncle John.....	2 00	8 00
" Mrs. Jardine.....	4 00	8 00
Carnations.....	1 50	3 00
Cattleyas..... per doz.,	6 00	7 50
Dendrobium Nobile.....	10 00	12 50
Gardenias.....	2 00	4 00
Lilium Harriai..... per doz.,	1 50	6 00
Callas..... per doz.,	2 00	
Mignonette.....		4 00
Spantah Iris.....	4 00	6 00
Sweet Peas.....	50	75
Pansies.....		1 00
Tulipa.....	2 00	3 00
Valley.....	3 00	4 00
Violeta. Single.....	75	1 00
" Double.....		1 75
Adiantum Croweanum.....		1 00
Boxwood..... per bunch,		25
Ferns..... per 1000,	2 50	3 50
Galax bronze.....		1 25
Leucothoe.....		75
Plumous String..... each,		60
Smilax..... per doz.,	2 50	3 00
Sprengerl, Plumous Sprays.....	3 00	4 00

BAR HARBOR, ME.—William Miller, for many years manager of the Mt. Desert Nurseries, has rented land and leased greenhouse and will engage in the florist and nursery business.

Zech & Mann Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
 Telephone, Central 3284.

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Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing



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ROSES

White and Pink Killarney and Richmond
 Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co
 Princeton, Ill.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio

St. Louis.

THE MARKET DEMORALIZED.

The weather has been much cooler, the thermometer falling to the freezing point. Whether this will damage nursery stock will be known later, but the cold and rain has delayed planting. The market has been in a demoralized condition, everything plentiful with but little demand. Sweet peas at five cents per bunch, carnations and roses at 15 cents per dozen are seen in the downtown stores, and the poor street fakir is outdone completely.

NOTES.

Two thousand persons are to receive detailed instructions from the tree planting committee of the Civic League in the choice of plants and the protection of city trees. The committee recommended for general use silver maple and cherry trees. The members of the committee are H. C. Irish, Charles W. Fullgraff, Otto G. Koenig, Andrew Meyer, Jr., F. A. Weber, Chas. Rebstock, H. N. Spencer, Jr., W. J. Stevens and Dr. Selden.

The Paris Floral Co. was burglarized Friday night, the thieves entering through the transom. Fred Foster, Jr., found \$18 missing from the cash register, and also his father's gold rim glasses.

Vincent Gorly and wife left April 19 for Mobile, Ala., to meet friends who are touring in an automobile. They will be absent about 10 days, going to Jacksonville, Fla., and other southern resorts.

The Florists' dance committee met at Geo. H. Angermueller's and decided to make it a shirt waist party, May 8, at Westminster hall. Tickets will be on sale at the wholesalers at \$1.00 per couple.

A white carnation is the proper thing for Mothers' day. If they can be sold at retail for five cents, with good advertising thousands will be disposed of, but the public will not stand extortion.

Grimm & Gorly and Alex Siegel have kept the downtown district busy with special sales of sweet peas, carnations and roses.

Ostertag Bros. have put on extra help to meet the demand for funeral work and the mail order business.

C. Young & Sons Co. and Wm. Schray & Sons have been doing a nice plant trade at the Union market.

A. Werner & Bros. are bringing in a fine stock of Killarney and White Killarney roses. **W. F.**

Indianapolis.

Business for the larger part of last week was practically at a standstill, causing prices to drop as much as fifty per cent. Saturday with increasing demand prices rallied almost to normal. Carnations and roses continue of excellent quality and with the decrease of supply of bulbous flowers the demand may be safely expected to be much larger. A limited number of gladioli reach market and find ready sale.

NOTES.

Improvements and building reported in this vicinity are additional houses by Bauer & Steinkamp and A. Wiegand & Son, replacing two old houses by Hartje & Elder and an addition by Smith & Young Co.

L. A. Coles was a visitor in Indianapolis Saturday. Mr. Coles has grown

Wholesale Flower Markets

CINCINNATI, April 24.

Rosea, Beauty.....	per doz., 50@ 4 00
"	Per 100
"	Bride, Bridesmaid..... 3 00@ 10 00
"	Killarney..... 3 30@ 10 00
"	My Maryland..... 3 00@ 10 00
"	Perle..... 3 00@ 8 00
"	Richmond..... 3 00@ 8 00
"	Taft..... 3 00@ 8 00
Carnations.....	2 00
Lilium Giganteum.....	10 00@ 12 50
Callas.....	10 00@ 12 50
Lily of the Valley.....	3 00@ 4 00
Jonquils.....	2 00@ 3 00
Sweet Peas.....	2 00
Violets, double.....	50
Adiantum.....	1 00
Asparagus Plumosus....	per bunch, 25
Asparagus Sprengerii....	per bunch, 25
Tulips.....	2 00@ 3 00
Iris.....	3 00@ 4 00
Gladioli.....	8 00@ 10 00

St. Louis, April 24.

Roses, Beauty, medium stems.....	25 00@ 30 00
"	short stems..... 2 00@ 4 00
"	Bride, Bridesmaid..... 3 00@ 4 00
"	Killarney..... 3 00@ 6 00
"	My Maryland..... 3 00@ 6 00
"	White Killarney..... 2 00@ 6 00
Carnations.....	1 50@ 2 00
Callas.....	10 00@ 12 50
Beater Lilies.....	10 00
Peas.....	40@ 60
Valley.....	3 00@ 4 00
Violets, Single.....	35@ 50
Asparagus Sprengerii.....	2 00@ 3 00

American Beauties exclusively but is going to plant part of his range to carnations next season.

Alfred Pahud has sold his establishment on the west side of Crown Hill. The greenhouses will be taken down and Mr. Pahud has retired permanently.

John Bertermann was recently elected president of the East Side Improvement Association.

Roepke & Rieman Co. have acquired a stand on the flower market.

F. R. Conway & Co. had a small fire in their potting shed.

Carl Sonnenschmidt has invested in a touring car.

A. W. Brandt visited Richmond last week.

Visitors: C. A. Rieman and Mrs. Rieman of Connersville. **H. J.**

Cleveland.

LARGE RECEIPTS OF GOOD QUALITY.

Stock continues to arrive in large quantities, with quality right up to standard, but prices have been comparatively low where large orders were concerned. Sweet peas are selling fairly well but violets are in very poor demand, one retailer selling at 10 cents a bunch; and lily of the valley was only in fair request. Roses are moving nicely, some fine medium and long-stemmed stock arriving daily. Carnations cleaned up the latter part of the week, "Carnation Sales" being the order of the day on Saturday. Easter lilies and callas move slowly. Bulb stock still arrives, but the quality is not satisfactory and the demand consequently is rather light. Greens of all kinds are in good demand and the supply equal to the request. Novelties are selling well. **C. F. B.**

CLIFTON SPRINGS, N. Y.—Plans are being made for the annual flower carnival which will be held the latter part of August.

—THE—
J. M. McCullough's Sons Co.,
 Wholesale Commission Florists.
 —CONSIGNMENTS SOLICITED.—
 Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.
 Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
 Phone Main 584.

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 1316 Pine St., **ST. LOUIS, MO.**
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 Supplies and Everything in Season always on hand

Fresh Cut Valley
 AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
 1312 Pine St., **ST. LOUIS, MO.**
 A Complete Line of Wire Designs.

THE MUNK FLORAL CO.
 Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.
Columbus, Ohio

C. E. CRITCHELL
 34-36 Third Ave. East, **CINCINNATI, O.**
 Wholesale Commission Florist
 Consignments Solicited
 Complete Stock of Florists' Greens and Supplies
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H. G. BERNING
 Wholesale Florist,
 1402 Pine St., **ST. LOUIS, MO.**

SPECIAL
 Low Price **Prepared Cycas Leaves**
 100 best quality assorted sizes, 20 in. to 40 in. long, for \$6.25. Other Florists supplies at equally low prices. Write for list.
GEO. H. ANGERMUELLER,
 Wholesale Florist,
 1324 Pine Street, **ST. LOUIS, MO.**
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HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

Milwaukee.

CONDITIONS IMPROVING.

During the past week the market conditions have improved somewhat, nevertheless there was plenty of stock of all descriptions, especially the Enchantress carnations, which were in abundance. Red carnations were in the greatest demand and sold exceptionally well considering the state of the market. Roses were in plenty in all colors, but smilax was very scarce. Other green goods were plentiful; lilies and callas are not selling well and have been a drag on the market for the past two weeks. Good sweet peas are scarce; there have been plenty in the market but the majority are short stemmed and of poor color.

NOTES.

At the wedding of Henry Marquardt and Miss Freida Mallue, which took place Wednesday evening, April 17, the church was beautifully decorated with flowers and greens. The young couple have the best wishes of the entire trade.

Gust Rusch & Co. reports business very satisfactory, with plenty of stock of all kinds to fill orders.

W. E. Macklin of Stevens Point and Adam Zender of Chicago were Milwaukee visitors this week.

At the W. E. Dalwig store the force is kept very busy these days filling the many seed orders.

Holton & Hunkel are cutting heavily of Killarney roses and long American Beauties.

A new flower store is to be opened by J. Verry at Second and Grand avenues.

C. C. Pollworth are cutting heavily of carnations and Killarney roses.

The bowling season had its final game last Tuesday evening, April 16, Fred Holton being successful in capturing the first prize and Gust J. Rusch coming in second, and C. Guthrod and R. Leitz splitting up the third, the scores being a tie. Cash prizes were awarded to the winners, of which there were ten. All the boys reported a fine time which wound up a successful season. Following are the scores of the evening:

F. Holton...160 168 189	A. Hare...127 129 150
G. Rusch...144 173 158	R. Leitz...122 113 170
C. Guthrod...143 184 143	A. Leidig...147 126 128
G. Hunkel...173 175 105	W. Hall...117 165 117
G. Pohl...133 173 145	R. Currie...131 145 122
N. Zweifel...160 162 122	E. Oest...82 99 83
W. Sem'tz...128 155 156	O. Egge...86 132 139
P. Nobos...130 178 103	L. Manos...112 102 89

Baltimore.

MANY SOCIAL FUNCTIONS AND WEDDINGS.

We have had frosty nights and ice this week, with quite a drop in the temperature, and a slight shortage in roses is the consequence. A great many social events have occurred during April. Society seems to be trying to make up for the lenten season and is trying to crowd in all the gay doings possible before the hot weather begins. Some notable weddings have taken place both in the city and county and some are yet to come at which flowers and greens will be used in quantity.

NOTES.

Harry Klein, whose range of houses in the vicinity of Towson afforded us pleasure in looking through them today, grows quite an assortment of roses. Richmond, My Maryland, Golden Gate, Perle des Jardin, Ivory and Radi-

GUST. RUSCH & CO.

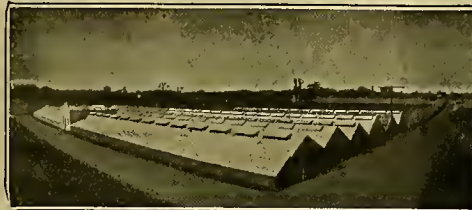


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**Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO.,
Milwaukee, Wis.**

Wholesale Flower Markets

MILWAUKEE, April 24.

Roses, Beauty...per doz., 1 00@ 4 00	
" Killarney.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" White Killarney.....	2 00@ 8 00
Carnations.....	1 00@ 3 00
Lily of the Valley.....	4 00@ 00
Lilym Giganteum.....	4 00@ 00
Daffodils.....	00
Poeticus.....	2 00
Tulips, Single.....	4 00
" Double.....	4 00
Violets.....	50@ 75
Adiantum.....	1 50
Asparagus.....per string,	50
" Sprengerl, per bunch,	35@ 50
Ferns, Fancy.....per 1000,	2 50
Galax, green.....per 1000,	1 50
" bronze.....per 1000,	1 50
Boxwood.....per bunch.....	25
Sweet Peas.....	50@ 1 00

ance. Carnations were blooming well, White Perfection showing fine flowers. A house of sweet peas which was in full crop at Easter was still in full bloom. Lilies came in just right for Easter, as did a great quantity of potted plants. The young plants and bedding stock are looking very flourishing. Mr. Klein is an energetic young florist and we wish him success in his new home and business.

As the train bearing the body of Miss Clara Barton, founder of the American Red Cross Society, who died recently, drew into the Union Station it was boarded by a committee from the "Lend-a-hand Club" of Mt. Washington, of which Miss Barton was a member, who decorated the coffin with a wreath of Killarney roses and palms. Scores of beautiful floral designs had been sent, among them being a cover of American Beauty roses.

The Baltimore 1912 International League opening was auspicious in two

Seattle Cut Flower Exchange

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Everything in Cut Flowers, Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.

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RICE BROTHERS

**Wholesalers of Cut Flowers
and Florists' Supplies.**

Minneapolis, Minn.

Mention the American Florist when writing

ways: First, the Orioles beat Montreal 12 to 2; secondly, the "Birds" played like world beaters, to say the least. Jack Dunn and Dr. Adkins received floral tributes and showed their delight as the huge bouquet and floral horseshoe was presented them.

A great deal of sorrow is felt over the terrible disaster at sea. The flags on all public buildings are at half mast out of respect to those who so gallantly went down in the fatal Titanic.

The hail storm which visited this vicinity on Thursday caused a little uneasiness among the florists. No damage was done, as the hail stones were not as large as they were last June.

B.

SOUTH ORANGE, N. J.—Charles H. Ingersoll has granted the use of a plot of ground nearly two acres in size where boys and girls are to be taught gardening during the summer under the direction of a competent teacher.

Dagger Ferns, per 1000, \$2.00

500 Fancy Carnations, \$12.50

Good, clean stock—no waste. The Best Ferns we ever handled. Special price in case lots.

Our selection of colors, such varieties best suited for shipping. Big value.

THE LEO NIESSEN CO.,

Wholesale Florists,

12th and Race St., PHILADELPHIA, PA.

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock.

Also Asp. Plumosus Nanus Seed from my own plants. WRITE FOR PRICES.

W. H. ELLIOTT,

Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

Philadelphia.

STOCK IN GREAT SUPPLY.

There is not much of an encouraging nature to be said of the business of the last week. There was a great sufficiency of stock in all lines, in fact, so much so that it ran to waste. Some of this was saved by the street gentlemen who storm the markets on Fridays and try to make new low price records as each week end presents itself. It is as good as a circus to see these deals pulled off with the buyers generally getting the best of it. The quality of the stock is good for the season and considering the larger output owing to the increased glass area over that of a year ago the greater volume can be said to have been handled as profitably as that of last season, which shows the business to have been in a healthy condition. About the only flowers that seemed at times to sell out clean were sweet peas; almost everything else appeared to be slow to move. Lily of the valley, which was so scarce after Easter, is now to be had in quantity. Violets are done; they have held up very well. Lily of the valley, gardenias, orchids and sweet peas will take their place as flowers for the corsage. Gardenias are in more than good supply and are offered very low by the street men. The White Killarney while yet good has commenced to show the yellowish pink tinge that puts it out of the running, and as Kaiserin growers have commenced to drop out the few that still retain these and Brides should have a good market in the near future. Callas and Easter lilies are still very fine, but are offered low, there are so many coming in. Those who make a specialty of filling window boxes are now right in it. Buxus almost to a plant was winter killed the past season. Many boxes have already been filled with pansies and button daisies, and now the geraniums are going out. Where is the low-priced cement box? Some enterprising man should be able to put out an ornamental and yet moderate priced window box in stock sizes that would be light enough to handle without a derrick. Some very beautiful effects in large sizes for the windows or other ledges of hotels are seen but nothing for the ordinary thirty to forty-inch window ledge of the average city house has appeared.

NOTES.

Miss Anna Jarvis has gotten out a Mothers' day display card for florists' and other windows which should be used everywhere. She will furnish them by the hundred or thousand at a price very little above cost and much cheaper than they could be obtained from the printer in small lots. Let the trade of the large cities get together and purchase them in large quantities for distribution and window display in the cut flower and all other stores in

Wholesale Flower Markets

Table with columns for Philadelphia, April 24, Per 100. Lists various flowers like Roses, Beauty, Killarney, etc. with prices.

Table with columns for Boston, April 24, Per 100. Lists various flowers like Roses, Beauty, medium, etc. with prices.

which they can get position and in this way help Miss Jarvis in her work and get the benefit themselves in larger sales. Her address is Miss Anna Jarvis, 2031 North Twelfth street, Philadelphia, Pa.

The display of the French hybrid hydrangeas exhibited at the meeting of the executive committee of the National Association of Gardeners held last week in Horticultural Hall was a revelation. The grower who will take these up and force them for Easter will surely have great success, as they are away ahead of the old sorts of today, and can easily be produced in any color from purest white to bright pink and the various shades of blue.

Fred Ehret is in the German hospital, an operation for gall stones being necessary. On Monday after the operation he was pronounced critically ill. On Tuesday he was said to be a little better but still in a critical condition. This news was a shock to his many friends who had no idea that this genial hustler was at all under the weather. Mr. Ehret has hosts of

friends, who will wait anxiously for news of his recovery.

H. Bayersdorfer & Co. are having a great run on magnolia leaves for Memorial day. Last year the imported stock had the call but now the American leaf has the lead at 25 per cent less and is of better quality. Mr. and Mrs. Bayersdorfer will start on their annual tour of the European centers for novelties about May 1.

That hustling firm on Thirteenth street, the Berger Bros., are moving quantities of sweet peas, having a good market for all they can get. Robert Bragg, one of the live wires here, surprised his friends by getting married. Why not? Sure it was a good thing to do. Congratulations.

Gardenias are one of the leaders with the S. S. Pennock-Meehan Co. They say they were never able to offer such fine stock at this season at prices so low.

American Beauties, lilies of the valley and orchids of the Reid brand, which means first quality, are specialties with Ed. Reid.

The Leo Niessen Co. are pushing American Beauties. Their stock of this popular rose is fine, of extra quality and any quantity.

K.

Pasadena Spring Flower Show.

The seventh annual flower show of the Pasadena Horticultural Society, which was held in Central Park April 11-14, was the largest ever held by the Pasadena gardeners, there being 201 classes in the premium list, nearly every class having more than one entry. The weather on the opening day was very unfavorable, so the exhibition was kept open from 10 a. m. to 10 p. m. Sunday. It was generally considered the best, prettiest and most successful show ever held in the city. Among the large exhibitors were Howard & Smith of Los Angeles, who made an extensive exhibit of bulbous and perennial flowers. Mrs. S. W. Allerton (E. Kirby, gardener), won the cup for best 12 carnations, and also prize for cinerarias and best group of plants. Mrs. H. M. Singer (L. Brandt, gardener), was first on collection of ferns. Other exhibitors were the Germain Seed & Plant Co., ornamental trees; Coolidge Rose Plant Gardens, ornamental plants and fruits; Figueroa Street Nursery, Los Angeles, Japanese garden; Rose Nursery; Mentor Nursery; Edward H. Rust; John H. Teekamp, bulbous flowers; Montaroso Nursery of Santa Barbara, new flowering plants; Miss Sadie A. Thomas; Will S. Laurie, bulbs and cut flowers; Dean Iris Gardens, and A. J. Morris. The prizes for floral baskets arranged by the children of the sixth grade schools, of which there were 11 entries, were closely contested.

REMOVAL NOTICE

WE wish to inform all our customers that owing to the large increase in our business we were compelled to secure larger quarters for our Pittsburg store and are now occupying the entire double building at 139-141 7th Street, where our facilities for handling Cut Flowers and Florists' Supplies are much improved. We always have any flower that is on the market and our prices and service is RIGHT.

PITTSBURG McCALLUM CO. CLEVELAND

Cincinnati.

CONDITIONS BRIGHTER.

The market opened up this week with conditions seeming much brighter than for a fortnight. The cheap sales men cleaned up all the old stock Saturday and when the wholesalers opened Monday they began with an almost fresh supply of everything. The prevailing prices were the same as the previous week, but it was evident that conditions were brighter. Cooler weather the early part of this week helped considerably, for stock shipped from a distance arrived in the best condition possible and showed again mid-winter shipping conditions. The supply of roses is easily sufficient for wants and unless the demand grows greater quickly or the supply should drop will be so for a time. Some good American Beauties and Richmonds are included in the offerings. Lilies and carnations may be classed together in so far as their supply has been too large for the call. The latter were cleaned up at the end of the week at any price, while the former could not be. Sweet peas continue to sell fairly well and good bulb stock is cleaning up after a fashion. Choice gladioli and iris sell well. Some of the offerings in these lines are among the best this market has ever seen. Lily of the valley is none too plentiful and is enjoying a good call. But the experience of several months past with the flower has been that when there is plenty of it there is little call and when the supply is short everyone wants it. Business in decorative greens is good. The supply of Asparagus plumosus and Sprengeri is a trifle larger than required.

NOTES.

The marriage of Lawrence Fritz of C. E. Critchell's and Miss Norma Carins of Newport was duly solemnized on Saturday evening. Ed. Buschle acted as best man and his fiancée, Miss T. Schilderink, as bridesmaid. The newlyweds will reside in Newport.

Albert McCullough has been sending in some very good tulips and hyacinths from his private conservatories at Pleasant Ridge.

C. J. Jones is now a proud grandfather, since the visit of the stork at his son's home last week.

C. E. Critchell has been having quite a call from out of town for magnolia.

Visitors: Julius Dillhoff of Schloss Bros., New York; Frank Farney of M. Rice & Co., Philadelphia, Pa. H.

NEW LONDON, CONN.—The monthly meeting of the New London Horticultural Society was held April 11 and an interesting address was delivered by Mrs. Chapman of Westerly, R. I., on "The Dahlia," describing the methods of culture on her dahlia farm. Five new members were admitted.

Wholesale Flower Markets

BUFFALO, April 24.		Per 100.
Roses, Beauty, special	25 00@33 00	
" " fancy	20 00@25 00	
" " extra	12 00@15 00	
" " No. 1	8 00@10 00	
" " No. 2	3 00@5 00	
Bon Silena	2 50@3 00	
Perle	5 00@6 00	
Maid and Bride	4 00@6 00	
Pink Killarney	3 00@8 00	
White Killarney	3 00@8 00	
Richmond	5 00@10 00	
My Maryland	3 00@8 00	
Carnations	1 00@2 50	
Callas	8 00@10 00	
Daffodils	2 00@3 00	
Daffodils, Single	2 00@3 00	
Lilium Longiflorum	8 00@10 50	
Lily of the Valley	3 00@4 00	
Mignonette	3 00@4 00	
Myosotis	15c to 35c per bunch	
Narcissus Paper White	2 00@3 00	
Romans	2 00@3 00	
Sweet Peas	50@1 00	
Tulips, Yellow and White	2 00@3 00	
Violets	40@60	
Adiantum Crowneum	75@1 50	
Asparagus, per bunch	35@50	
Asparagus Sprengeri	35@50	

PITTSBURG, April 24.		Per 100.
Roses, Beauty, special	30 00@40 00	
" " extra	15 00@25 00	
" " No. 1	10 00	
" " Bride, Bridesmaid	2 00@6 00	
" " Chateaux	2 00@6 00	
" " Killarney	2 00@6 00	
" " My Maryland	2 00@6 00	
" " Richmond	2 00@6 00	
Carnations	1 50@2 00	
Cattleyas	50 00	
Lilium Longiflorum	10 00@12 00	
Lily of the Valley	4 00	
Oncidiums	3 00@4 00	
Sweet Peas	40 50	
Violets, single	25 50	
" " double	1 00	
Adiantum	1 00	
Asparagus Sprengeri, per bunch	35	
" " sprays, per bunch	35	

Boston.

BAD WEATHER.

The wet weather caused somewhat of a depression, but as usual Saturday was good and the stock cleaned up. The loss of the S. S. Titanic has caused sorrow in many of the prominent New England homes, by the loss of some loved one in the family circle. Prominent Boston business men were among the victims, and in some of the towns around Boston there are sorrowing wives and children who have lost the support of the home. Those are the cases that more than mere sympathy should be extended to at this time.

NOTES.

We are sorry to state that our friend Robert Cameron is confined to the house with a bad knee. We are informed he will have to use crutches for some time. It is hard luck coming at the busiest season of the year. We



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Roses, Carnations and all kinds of Seasonable Flowers in Stock.

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121 Seventh Street, PITTSBURGH, PA.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

hope Bob will get straightened out before long.

The banquet of the Gardeners' and Florists' Club has been postponed. The 25th anniversary is to be held next fall, and they are looking forward to something which will be in keeping with that great event. Dust off your clawhammers, boys.

H. A. Stevens, Dedham, had in the market a seedling carnation he has named Eleanor. He says it is very free and of good habit, and the flowers we saw had been cut one week.

George Cartwright, salesman in the Market showed us some well grown Frau Carl Druschki roses grown by F. W. Fletcher & Co., Auburndale.

Miss Margaret Sutermeister was a visitor in the Market.

Anderson, late of the Mishawam Floral Co., has opened a store in Melrose.

Wm. Grassie, Waverly, was married Wednesday, April 17. MAC.

New York.

SUPPLY EXCEEDS THE DEMAND.

The conditions of the wholesale cut flower market are still very unsatisfactory. The supply of stock of all kinds far exceeds the demand, and prices have dropped to the lowest level of the season. On Friday and Saturday the market was very active but the increased demand on those days was not sufficient to increase prices to any extent. American Beauties are not as plentiful as they have been, and there is more call for Mrs. Aaron Ward, Lady Hillingdon, Radiance and Mme. Chate-nay than the other varieties of roses. Carnations are of exceptionally good quality but there is only a fair demand for even the very best of them. The supply of orchids remains about the same, some of the varieties of cattleyas clearing out at very good figures. Gardenias are in over-supply. There is a good demand for lily of the valley of the best quality. Shipments of sweet peas are heavier, with a tendency to lower prices. Lilies are very abundant and the very finest have accumulated with the wholesale dealers in large quantities. Other bulbous stock is a glut everywhere. Outside lilac from the south of very good quality has made its appearance. Smilax and asparagus are selling as well as can be expected.

Monday, April 22.—The weather is very bad and stormy but the increased demand that was noticeable on Saturday seems to prevail today and the market is more active, though prices are still very low.

NOTES.

Lord & Burnham Co. have recently closed these contracts: Malcolm Franklin, Yardley, Pa., one house 72x600 feet; A. A. Pembroke, N. Beverly, Mass., one house 60x450 feet; Robert Craig Co., Philadelphia, Pa., four houses 42x150 feet and four houses 38x50 feet; A. A. Young, Jr., Jewett City, Conn., extensive additions; Denison Floral Co., Uhrichsville, O., four houses 30x200 feet.

The bowling match on Wednesday evening, April 17, at Carlstadt alleys, N. J., when Rutherford rolled the New York team, was won by New York in two straight games. There was a good crowd, good spread and good reception. The scores follow and a return match will be played on Thum's alleys in the middle of May.

Henry M. Robinson & Co. are well pleased with the progress they have made since starting business here. Their specialties in roses were Mrs. Aaron Ward, Mrs. Waddell, Rhea Reid and Lady Hillingdon, and they are in very good demand and at times the supply is not equal to the call.

J. K. Allen has made extensive alterations in his store, the office being enlarged and many other improvements have been made. Mr. Allen did the largest business in his career at Easter time and if his business continues to grow he will have to seek much larger quarters.

Paul Meconi in addition to a fine supply of orchids and gardenias is receiving heavy shipments of lily of the valley and sweet peas of the very best quality.

Rutherford.		New York.	
Teller	172 167	Manda	111 134
Roehrs	152 123	Scott	145 156
Clark	182 139	Shaw	158 121
Richter	140	Kakuda	124 151
Hasselhun ...	83	Proton	168 190
Widweyer ...	123 128	Chadwick ...	205 149
Motger	168 151		
Total	890 848	Total	911 911

The scores which were made at the bowling alleys Friday night were as follows:

Nugent	101	121	110	100
Shaw	140	127	150	140
Irwin	186	154	173	206
Kakuda	140	150	140	196
Scott	163	139	142	151
Manda	165	181	170	213

IMPORTERS

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Visitor: Carl J. Reck, Bridgeport, Conn. Y.

Washington

OUTSIDE STOCK APPEARING.

The business of the past week was fair but not exceptional. Flowers are plentiful and the poorer grades are selling cheap, but good stock is not a glut. Lilac, dogwood and numerous other outdoor blossoms are now on the market and it is to be expected that they will have a run while they last. The quality of both purple and white lilac is much better than it was last year. This week sees the last of the violets and it is another case of "welcome the stranger, speed the parting guest," as violets are getting to be poor stock indeed. To replace them there is an abundance of orchids, lily of the valley and sweet peas, in fact it would be hard to name any commercial flower that is not now on the market in greater or less quantity.

NOTES.

A number of dinners and other society events that called for decorations have been cancelled on account of the Titanic horror. Major "Archie" Butt, the president's military aid, was a great favorite among the society people and they are correspondingly shocked and saddened over his tragic end. All reports agree that he faced death like the brave man that every officer and soldier of the United States is expected to be. Although the newspapers have given them scant mention it is doubtless a fact that there were also brave men in the steerage and in the engine and boiler rooms of the Titanic.

William Clark has a fine crop of the new white daisy, Mrs. Sander, disseminated last year by H. A. Dreer. About ninety per cent of the flowers are double, very attractive and sell well. Mr. Clark will soon have a fine cut of President Carnot roses but quite a number of his plants were killed by the severe frosts of last winter.

Herbert Wright, formerly gardener for Lars Anderson, has accepted a position with John R. McLean and will go to Bar Harbor, Me., to take charge of the gardening at the McLean summer home. Since Lars Anderson was appointed ambassador to Belgium his fine new residence in this city has been closed.

The Washington Florists' Co. has closed its store at 14th and R streets N. W. and after June 1 all the business will be conducted at the fine new store, 15th and H streets N. W.

The Gude Bros. Co. is now having a fine cut of American Beauty roses. A recent visit to their new range on the Bladensburg road showed fine crops of carnations, tea roses and sweet peas.

At the J. R. Freeman store we recently noticed a very nice stock of the small Japanese maples. This store is also showing some good stock of gladiolus.

William Lacey has succeeded his brother Robert as rose grower for F. H. Kramer. Robert Lacey is now in business for himself as a grower.

Elmer Mayberry, who as reported last week was struck by an automobile, is still confined to his home.

A. F. F.

EXPORTERS

Connecticut Horticultural Society.

The meeting held April 12 was "Amaryllis night," and President Hnss exhibited some very beautiful specimens of potted plants in full bloom, and was accorded a vote of thanks, as was also J. Alfred Weber for a plate of mushrooms.

The feature of the evening was an address by George H. Hollister, foreman of Keney Park, Hartford, on the new Chestnut bark disease. Mr. Hollister attended the national conference on the subject, and is well versed in its details. He brought specimen limbs from the park, showing its different stages of development. He estimated that the monetary loss already sustained in this country, on account of this disease, approximates twenty million dollars, and some regard it as high as fifty millions. He traced its history from its supposed discovery, eight years ago, by Dr. Myrkle, in Bronx Park, New York, to the present day, during which time five hundred infected trees have had to be cut down in Keney Park. One hundred sixty-three towns in Connecticut have already reported its presence. The 17,000 chestnut trees in Bronx Park, he said, have had to be removed. Rhode Island, Massachusetts, and six or seven other eastern states, especially Pennsylvania, have this serious menace to their forests. Pennsylvania alone has appropriated \$275,000 in its efforts to suppress it. Excision of the affected part of the tree does not avail, and nothing effectual has yet been found to stay its ravages. Mr. Hollister estimated that the entire destruction of the chestnut trees of the United States would mean a loss to the people of at least three hundred million dollars. He was cordially thanked, by vote, for his instructive discourse.

We are expecting to be soon favored by a lecture by Thomas Grey, of Boston, on the subject of "Some Observations of Horticulture in Europe."

GEORGE W. SMITH, Sec'y.

Lancaster Florists' Club.

A meeting of Lancaster Florists' Club was held on April 18 with a full attendance and several new members. Chas. B. Weaver of Ronks read a paper on "Sweet Peas" and exhibited fine vases of Mont Blanc, Mrs. Chas. H. Totty, Mrs. F. H. Dolansky and a selection from Earliest of All.

The usual fine display of carnations was staged with a very fine vase of Mrs. T. W. Lawson from a new source, Mr. Brackbill of Lampeter, Pa. It is really remarkable how fine Mrs. Lawson is grown by a few of our local growers. A committee was appointed to arrange for a summer picnic and it was suggested that at our next meeting several of the retail growers bring plants in and have a discussion as to what it costs to produce them and see if a more uniform rate of selling can not be established. A. M. HERR.

WAUKEGAN, ILL.—The Easter business increased about ten per cent over 1911, writes Theo. Meyer. Prices were about the same and there was a plentiful supply of plants and flowers. Lilies and hyacinths in plants and carnations and roses in cut flowers, were the most in demand. There was little call for tulips, either in pots or cut.

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Wholesale Flower Markets

	NEW YORK, April 24.	Per 100
Roses, Beauty, special	15 00@25 00
" " extra and fancy	3 00@12 00
" " No. 1 and No. 2	2 00@ 6 00
" Bride, Bridesmaid, special	4 00@ 5 00
" " extra and fancy	2 00@ 3 00
" " No. 1 and No. 2	1 00@ 1 50
" Killarney, My Maryland	4 00@ 6 00
" " extra and fancy	2 00@ 3 00
" " No. 1 and No. 2	1 00@ 1 50
" Richmond	1 50@ 6 00
Carnations	1 00@ 2 00
Cattleys	20 00@ 60 00
Gardenias	2 00@15 00
Lilacs, Longiflorum and Harrisii	2 00@ 4 00
Lily of the Valley	2 00@ 3 00
Sweet Peas.. per doz. bunches, 25@	75	40
Violets	10@ 2 40
Adiantum Croweanum	50@ 1 00

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ORCHIDS!!

The assets of the firm of Carrillo & Baldwin will be sold at Public Auction in the near future. The stock consists of about 15,000 plants of different varieties, which the public is respectfully invited to inspect.

The date of the sale will be given shortly.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

ORCHIDS

Fresh Stock Just Arrived.

Cattleya Lablata and Cattleya Trianac.

Finest types in dormant state.
Established now gives the best results.
Send for prices.
Will be delivered immediately.

G. L. Freeman, Wellfleet, Mass.

Orchid Trade

H. STANLEY (Late Stanley & Co.),
Sandeross Lane, REIGATE, ENGLAND,
will ship **Oncid. Varicosum** and **Capt. Loddigesii**
in April and May. Enquire now.

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Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,
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Salt Lake City.

The cut flower business in this city is far better than has ever been experienced before at this time of the year. Easter was a "hummer" the retail houses all report large sales and were worked to their full capacity. The wholesale houses were all cleaned up. The indications are that Memorial day will break all records, the greenhouses are all making preparations for that day which is the most profitable day of the year for the florists in this locality. The season has been very backward and consequently, they are all behind in their work, no planting out having been done yet.

NOTES.

The Miller Floral Co., the leading wholesale house in this locality, have decided to add two houses to their plant, 40x300 feet each, to meet the demands of their increasing business. The new houses will be planted to carnations.

Olaf Lingreen will erect one small house for propagating purposes.

UNTA.

LOUISVILLE, KY.—At the meeting of the Society of Kentucky Florists held April 10, A. R. Nanz interestingly described his trip to the West Indies and Central America.



FANCY FERNS, \$2.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bsles.....\$2.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood..... per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze. Basket, \$2.25; 6 baskets \$7 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

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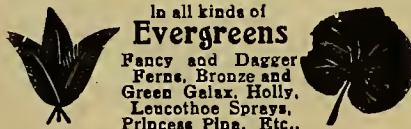
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Having purchased of the Dr. Little Estate all of the Orchids in his choice collection, I have now to offer hundreds of **Cattleyas, Dendrobiums, Cypripedium Insigne** and its varieties at ridiculously low prices. Pans, pots and baskets of 4 to 12 bulbs, at 50c to \$1.00 each. Write for varieties.

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In all kinds of
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Shipment commencing Sept. 1st.

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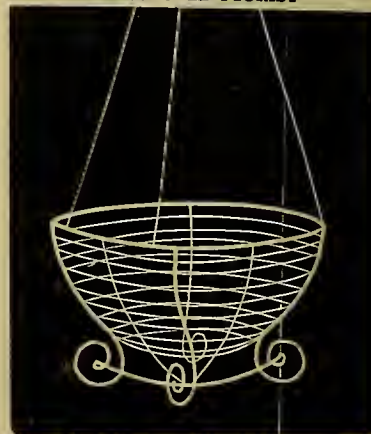
IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax. New crop Fancy and Dagger Ferns will be ready May 5th to 10th, we are booking orders now. Write, wire or phone.

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Everything in Southern Evergreens.
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	10-in.	12-in.	14-in.	16-in.	18-in.
Doz.....	\$1.25	\$ 1.50	\$ 2.25	\$ 3.00	\$ 5.00
100.....	8.00	10.00	17.00	22.00	35.00

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Live Spagnum Moss

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April 30.

K. Augusta Victoria, Ham.-Amer., 9 a. m., Hoboken Pier.
Potsdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wilhelm II, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
Princess Irene, No. Ger. Lloyd, 11 a. m., Hoboken Pier.

FROM BOSTON, Laconia, Cunard, East Boston Dock.

May 1.

FROM BALTIMORE, Rheim, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

May 2.

Adriatic, White Star, 12 noon, Piers 59 and 60, North River.
France, French, 10 a. m., Pier 57, North River.
Bremen, No. Ger. Lloyd, 10 a. m., Hoboken Pier.

May 3.

FROM QUEBEC, Empress of Britain, Can. Pac.

May 4.

St. Paul, Amer., 9:30 a. m., Pier 62, North River.
Olympic, White Star, Piers 59 and 60, North River.
Finland, Red Star, 10 a. m., Pier 61, North River.
Caledonia, Anchor, 10 a. m., Pier 64, North River.

Coronia, Cunard, Piers 54 and 56, North River.
Pretoria, Ham. Amer., 12 noon, Hoboken Pier.
La Touraine, French, Pier 57, North River.

FROM PHILADELPHIA, Haverford, Amer., 10 a. m., Pier 54.
FROM MONTREAL, Ultonia, Cunard.
FROM PORTLAND, Canada, White Star-Dom., 10 a. m.

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WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET:

bet. 3rd and Lexington Aves. Tel. 5633 Harlem.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists We are in the Heart of NEW YORK

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to the

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind**

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

**Artistic Designs.
High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members of Florists' Telegraph Delivery
Mention the American Florist when writing



**WASHINGTON
D. C.**

Gude's

Members Florists' Telegraph Delivery.
Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention
Member of the Florists' Telegraph Delivery.
Mention the American Florist when writing

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heintz)
338 Superior St., Toledo, O.
Both Phones, 527.

Special attention to Mail and Telegraph Orders.
Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co. FLORISTS

..... 241 Massachusetts Ave.
Members of the Florists' Telegraph Delivery.

Denver, Colo.

The Park Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.
Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Members of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET.

**Name Index to Retail Florists
Filling Telegraph Orders.**

Alpha Floral Co., Chicago.
Alpha Floral Co., Dea Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. E., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thoa. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapida Floral Co., Grand Rapida, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heintz & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Joy Floral Co., Nashville, Tenn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex, New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Reimera, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City.
Saakea, O. G., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapida, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
"Wilton," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfkill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.

New York.

Established 1874.

DARDS

**N. E. Corner 44th St.
and Madison Ave.**

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, **DARDSFLOR.**

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any town in

Missouri, Kansas or Oklahoma
Members Florists' Telegraph Delivery.

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main Street.

Members Florists' Telegraph Association.
Mention the American Florist when writing

Terre Haute, Ind.

John G. Heintz & Son, 129 South Seventh St.

Telephone 247
We are in position to fill promptly all Mail Telephones, Telegraph and Cable orders with best quality stock in season.

Louisville, Ky.

JACOB SCHULZ,

Members Florists' Telegraph Delivery.
550 So. Fourth Avenue.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M. C. Bowe

IN THE HEART OF NEW YORK CITY.
Phone 6404 Madison Sq. 12 West 33d St
Our Motto—THE GOLDEN RULE

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Maas. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
Little Rock, Ark.—Vestals, 409 Main St.
London, Eng.—Wills & Segar.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Newark, Ohio—Chas. A. Duerr.
Nashville, Tenn.—Geny Bros.
Nashville, Tenn.—Joy Floral Co.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentine, 153 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Louis, Mo.—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Hehl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 69 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sta.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones:

1552-1553 Columbus Choice Cut Flower's

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: ; FLORIST : :

Phone 2416 Main.

14th & Eye Sts., N. W

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in

Wisconsin

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



2223 W. Madison St.
CHICAGO.

All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS, FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR, The Arcade Florist,

Greenhouses
Grandville O., Phone 26 Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Mention the American Florist when writing

Seattle, Wash.

L. W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Mention the American Florist when writing

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St. TELEPHONES
1501 and L 1582

Mention the American Florist when writing

WITTBOLD'S

New Display Rooms. 58 E. Randolph Street
CHICAGO

Flowers Palms Decorations
Rented or Sold

Randolph 4708. Nursery, Rogers
Park 227; Evanston 829; Wilmette 658

Mention the American Florist when writing

Schenectady, N. Y.

Amsterdam, N. Y.



Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Buffalo.

CHANGEABLE WEATHER.

We have had changeable and unpleasant weather since Easter, but trade has been very good and the supply equal to all demands. The past week showed a tendency to be quiet owing to the near approach of moving time, consequently stock has been plentiful, especially Saturday, when all florists were selling violets at 25 cents per bunch of 50, the same as department stores. Roses also were made bargains, some selling at \$1 a box of 20 roses and others selling at five cents each. One Main street store, not to be outdone by the others, gave roses away. It is needless to say that no one ventured to get lower than this. Many weddings of fair size are on the calendar for this week and during the month of May there will be several weddings, some large dinners and debutantes' receptions. The down town stores have had some very attractive windows lately.

NOTES.

Last week one of W. J. Palmer & Son's night men at the Lancaster plant was found brutally murdered in the boiler house and partly burned. He was found by the other night man who has charge of the other section and not hearing from him in an hour or more started on a search and found him murdered. There is a slight clue that the sheriff is working on which it is hoped will lead to the capture of the murderer.

F. C. W. Brown, of S. A. Anderson's, has his books of floral photographs ready, and they are the finest on the market.

John Kramer of Chippewa street expects to close his store May 11 and devote his time to his father's business.

S. A. Anderson has purchased a new Pierce automobile for delivery and it is a beauty.

The R. M. Rebstock Co. have got a new delivery car. BISON.

GALVESTON, TEXAS.—We had the finest Easter trade we ever had, being about forty per cent more than last year, writes Mrs. M. A. Hansen, notwithstanding that Easter Sunday was a rainy, cold and miserable day, which handicapped delivery very much. We could have sold more plants if we had had them and the prices on these were a little better than last year. Lilies, hydrangeas and rambler roses were most in demand, but everything in blooming plants sold well. The cut flower prices were about the same as a year ago, but the quality was not A1. Lilies and roses were the flowers most desired and snapdragons and stock sold well. It seems to us that it would be advisable for florists to provide themselves with plants, for the wholesale houses will ship "pickled" stock, may be not intentionally, but we received "sleepy" carnations from four places, obtaining good stock from only one.

Louisville, Ky.

F. Walker & Co., FLORISTS.

Phones: Home 1388. Camb. Main 1388 A.

.....634 Fourth Avenue.

Mention the American Florist when writing

New York:

CHARLES HABERMANN 2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

Mention the American Florist when writing

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

Mention the American Florist when writing

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Mention the American Florist when writing

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

Mention the American Florist when writing

New York.

MYER, FLORIST 609-611 Madison Ave. Phone 5297 Plaza.

Mention the American Florist when writing

Rockford, Ill.

H. W. Buckbee

Colorado Springs, Colo.

Mention the American Florist when writing

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

Budding Knife Free

SEE PAGE 817.



BOXWOODS

Finest Trees in America. Order Early.

OBELISK.

5 feet high, 18-inch bottom measure..... \$10.00 each

Globe Shaped.

Each		Each	
12 in. top, 12 in. high	\$2.00	15-18 in. top, 15-18 in. high	\$4.00
12-14 " " " "	2.50	22-24 " " " "	6.00

Standard.

12 in. crown	\$1.50	24-27 in. crown	\$6.00
15-18 " " "	2.50	32-34 " " " 3-4 ft. stem	9.00
18-21 " " "	3.00	36-38 " " " 18-24 in.	9.00
21-24 " " "	4.00	40-42 " " " 18-24 " "	10.00

Pyramid.

2½-3 ft. high	\$2.50	4-5 ft. high	\$ 5.00
3-3½ " " "	3.00	5-5½ " " "	7.00
3½-4 " " "	4.00	6 " " "	10.00

Globular, 24-26 inch high, \$2.50 ea. h.

DRACAENA INDIVISA

3 inch, \$5.00 per 100; 4 inch, \$1.50 per dozen; \$10.00 per 100.
6 inch, \$15.00 per dozen; 8 inch, large beautiful specimen, \$1.50 each.

GEO. WITTBOLD CO.

739 Buckingham Place, CHICAGO.



ROOTED

Carnation Cuttings

	Per 100	1000
Washington.....	\$1.00	\$35.00
Mrs. C. W. Ward.....	3.00	25.00
Beacon.....	3.00	25.00
White Enchantress.....	3.00	25.00
May Day.....	.50	0.00
Sangamo.....	2.50	20.
Enchantress.....	2.50	20.00
Rose Pink Enchantress.....	2.50	20.00
Dorothy Gordon.....	3.00	

250 at 1000 rate. Satisfaction guaranteed.

Will exchange any of the above for
2½ inch Asparagus Plumosus.

DES PLAINES FLORAL CO., Des Plaines, Ill.
Mention the American Florist when writing

Killarney and Double White Killarney

Both grafted and own root plants.

Commercial Chrysanthemums

BEDDING STOCK

A. N. PIERSON, Inc., CROMWELL, CONN.

ROSE STOCK

American Beauty, \$8.00 per 100; \$75.00 per 1000

Rose Queen and Lady Hillingdon, \$20.00 per 100; \$150.00 per 1000.

Bon Silene, Radiance, Killarney and Richmond, \$6.00 per 100; \$50.00 per 1000.

2½ INCH POT PLANTS IMMEDIATE DELIVERY.

Write us for quotation on large blocks.

Chrysanthemums

IMMEDIATE DELIVERY. 2½ INCH POT PLANTS.

Col. Appleton, Montigny, Touset, Gloria, Lady Hopetoun, Miriam Hankey, Monrovia, Mrs. O. H. Kahn and Yellow October Frost, \$3.00 per 100; \$25.00 per 1000.

CHAS. H. TOTT - - Madison, N. J.

Mention the American Florist when writing

DAHLIAS

The best New and Standard varieties.
Send for Wholesale Price List.

BASSETT & WELLER
HAMMONTON, N. J.

Ferns for Dishes

2¼-in..... per 100 per 1000
Asparagus Plumosus, 2¼-inch, \$3.50 \$30.00
\$30.00 per 1000. 3-in., \$6.00 per 100,
500 at 1000 rate. Cash with order.

FRANK OECHSLIN,
4911 Quincey St., CHICAGO

Budding Knife Free. See Page 817.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

AT Chicago only white bottom onion sets are available now, prices \$2.75 to \$3.00 per bushel.

WESTERN grown alfalfa seed is scarce, even Kansas planters being reported as using imported seed.

J. C. VAUGHAN, Chicago seedsman, nurseryman and florist, wound up the sixth decade, April 23, with a full day's work and several hours' overtime.

MAIL trade is holding remarkably well in the west and the demand for seed potatoes, corn and onion sets continues very brisk at record prices.

PASADENA, CALIF., April 15.—We have had a total of 17.54 inches of rain for the season, which I think will do more good than the 24 inches of last year.—H.

BOSTON, MASS.—Thomas J. Grey Co. report a record seed trade and the orders in implements have been very large. The demand for lawn grass seed is the best they have ever had.—MAC.

CHICAGO.—Prices on the Board of Trade, April 24, for grass seed were noted as follows: Timothy, \$7 to \$13 per 100 pounds.—Fire at the Heinz pickle plant, South Clark street, April 24, caused more than \$200,000 loss.

NEW YORK.—Ralph M. Ward, of Ralph M. Ward & Co., sailed on the steamer George Washington for Europe, where he will visit the various connections of his firm, and attend the London flower show in May. In June Mr. Ward will sail from England for China and Japan, returning to New York in the fall.

THE Hotel Sherman will be headquarters for the annual convention of the American Seed Trade Association at Chicago June 25-27. Arrangements have been made to take care of 300 guests at special prices and reservations should be made at once, by writing the hotel management direct, so as to secure rooms specified. The rates are \$2 to \$6, European plan, each room having a private bath.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

California Seed Crops.

San Jose, April 17.—Conditions in seed growing sections of California are materially improved since the last rain, though some sections are backward in growth owing to drought of winter. In the Santa Clara valley we have had 9.04 inches of rain to date; average here is 15.25 inches, so it will be readily seen that we are far below the normal precipitation and will require late showers to mature the seed.—E.

California Bean Growers.

Whether the Lima Bean Growers' association is a trust, or is doing business strictly in accordance with the laws of the country, is a matter the department of justice at Washington will decide as a result of the report submitted to it by a government investigator after a searching inquiry into the methods of the association, its books and accounts, made at the association's office in Oxnard and just concluded. Should it be found a trust, prosecution may follow. If its business methods are legitimate, a clean bill of health will be issued it by the attorney general. Following the announcement of the fact that an investigation of the association has been made by a representative of the department of justice, J. M. Waterman, manager of the association, declared the inquiry has been made at the instance of the directors of the association.

"The lima bean growers banded together the better to preserve their mutual interests and to eliminate the middlemen's profits and manipulation by professional dealers of the bean market," explained Waterman. "Some dealers, and others, robbed of the profits they used to make out of our industry and labor, raised the cry that we were a trust. To set these charges at rest, I personally visited the department of justice and requested an investigation of our affairs. A government agent was sent to Oxnard and thoroughly examined our books, accounts and methods of doing business.

"This agent will now report to the department the results of his inquiry, and as a result, we know that our association will be held to be doing business according to law. It was for the purpose of obtaining such a decision, which will kill the charge that we are a trust, that we solicited the investigation that has just been concluded."

Seed Catalogues.

The almost simultaneous arrival of many seed catalogues does not strike us as irony in this awful weather. They are almost as potent as summer to make us forget the mud that is splashing in the streets and the gloom which is mud in atmospheric solution.

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California



Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

There is no optimist like the seedsman, for no bagman has such stores to unfold. We are not asked to buy lightning-conductors or insurance policies against days of woe, but to buy banners for a well-assured season of joy. For we find no room in a real seed list for those lugubrious pages some unknowing merchants give us of slug poisons, aphid brushes and other apparatus of strife. We buy such things of the ironmonger or chemist, and we prepare for the reading of the flower lists that contain them by tearing them out.

It is impossible to learn from these bright pages what are the favorite flowers of him who prepared them. He seems to reserve the superlatives of praise for each of them, though on close attention his words are but plain statements of the unique merits of each. Every genus of flowers and almost every species has its method of flowering, its texture of petal, its quality of color, and even its own tints that no other group shares. There is every kind of lateral difference, but no more question of superiority and inferiority than there is between the several notes in a scale of music.—London Nation.

Catalogues Received.

Vaughan's Seed Store, Chicago and New York, annual retail seed catalogue; Fottler, Fiske, Rawson Co., Boston, Mass., seeds, plants, bulbs, etc.; Alex. McConnell, New York and New Rochelle, N. Y., nursery stock; R. & J. Farquhar & Co., Boston, Mass., garden annual; Rice Bros., Minneapolis, Minn., wholesale florists' supplies; State Nursery Co., Helena, Mont., seeds, plants, trees, etc.; Germain Seed & Plant Co., Los Angeles, Calif., seeds, plants and supplies; Amzi Godden Seed Co., Birmingham, Ala., southern truckers' guide; W. W. Barnard Co., Chicago, seeds, bulbs and shrubs; A. C. Kendel, Cleveland, O., seeds, plants and bulbs; H. J. Weber & Sons' Nursery Co., Nursery, Mo., nursery stock; Walter P. Stokes, Philadelphia, Pa., seeds and wholesale list of seeds for market gardeners and florists; William Tricker, Arlington, N. J., water lilies, hardy perennials and roses; American Gardening Trial Grounds, East Moriches, N. Y., special list of dahlias; Arthur Cowee, Berlin, N. Y., gladioli; H. F. Pillsbury, St. Johnsbury, Vt., carbonate of lime products; L. F. Dintelmann, Belleville, Ill., nursery stock; Oil City Boiler Works, Oil City, Pa., return tubular fire box boilers; G. D. Black & Co., Independence, Ia., nursery stock and seeds.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO, CALIFORNIA

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade SeedsCucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn.

IF IT IS

**Water Melon and
Musk Melon Seeds**

Get them from

J. FRANK CORRY,

Contract Grower, ENID, OKLAHOMA.

Complete Delivery by Oct. 15, 1912.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.Branches: Michigan and Wisconsin. **MILFORD, CONN.****H. WREDE,**

LUNEBURG, GERMANY

PANSY SEED

178 First Prizes, the highest awards

Chicago, Paris, London, Bruxelles.

1000 seeds, finest mixed, .25c

1 oz. \$2.25

Price list on application.

Cash with order.

—FOR—

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England.**BURNETT BROS.**

Importers and Growers of

Seeds, Bulbs, Plants

and Horticultural Sundries.

Telephone 2223 Cortlandt. **NEW YORK**
72 Cortlandt Street.

Write for our 1912 Spring Catalogue.

—CHOICE—

German Flower Seeds

Catalogue free on application.

FREDERICK ROEMER,

Seed Grower, QUEDLINBURG, GERMANY

MANN'S**Lily of the Valley**are the finest in existence and their flowers
bring the best prices on the London mar-
ket For quotations please apply to**OTTO MANN, Leipzig, Saxony, Germany****BEANS, PEAS, RADISH**
and all Garden Seeds**LEONARD SEED CO.**

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE

Write for Prices.

Write today for Special Trade List, as advance order, 1912 Fall delivery.

JAPANESE SEEDS

LARIX, Pinus, Cinnamomum, Abies, Mella, Etc.

T. AMEMIYA & CO.,Growers and Importers of All Kinds of
JAPANESE SEEDS and LILY BULBS.

Nurseries and Farm Yards:

Kamine, Kitaadachi, Saltama, Japan.

220 Clement Street,
SAN FRANCISCO, CAL.**VICK QUALITY
SEEDS
PLANTS****BULBS**

ASK FOR WHOLESALE CATALOGUE.

JAMES VICK'S SONS
Seedsmen,
Rochester, N. Y.**For Dutch Bulbs**of the highest quality, such as the
English trade demands, and abso-
lutely true to name, write to**W. J. Eldering & Son**

OVERVEEN, Haarlem, Holland

Mail Address during May:

Seville Hotel, 29th & Madison Ave., New York

Special quotations on large given
quantities.**S. M. Isbell & Co.,**

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon.

Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

—THE—

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Canta-
oupe, Watermelon, Squash and Pumpkin
seed; Sugar Flint and Field Seed Corns.**THE KIMBERLIN SEED CO.**

WHOLESALE SEED GROWERS

SANTA CLARA,**CALIFORNIA.**Growers of Onion, Lettuce, Radish,
etc. Correspondence solicited.**Henry Fish Seed Co.**
Bean Growers

◆ For the Wholesale Seed Trade. ◆

CARPINTERIA, CALIF.**Turnip Seed****Cabbage Seed****Spinach Seed****Kale Seed**

ALL NEW CROP

At Unusually Attractive Prices.

J. Bolgiano & Son

Almost 100 Years' Established Trade

Wholesale Seedsmen,

BALTIMORE, MD.

Mention the American Florist when writing

S. D. WOODRUFF & SONS,

ORANGE, CONN.

NEW YORK CITY.

Seed Growers and Importers.Specialties: Beet, Carrot, Sweet Corn, Peas,
Beans, Onion Sets and Seed Potatoes. Cata-
logue free. Quick freight shipments from New
York, via rail or steamer to all parts of the U. S.**Asparagus Plumosus Plants**

2½-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best ob-
tainable \$1.00 per 100;
\$9.00 per 1000. Write us.**S. S. SKIDELSKY & CO.,**

1215 Betz Building, PHILADELPHIA, PA

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster,
Cosmos, Mignonette, Verhena in variety.
Correspondence Solicited.

Mention the American Florist when writing

Hill's New Crop of Tree Seeds

Tests show that the germination is unusually high. Long experience in gathering, extracting, cleaning, drying and storing enables us to supply seeds that are superior to the average. All standard varieties. Ask for what you want—write now.

The D. Hill Nursery Co., Inc.
Seed Dept., Box 602, Dundee, Ill.
Collectors and Extractors.
Import. Export.

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Mention the American Florist when writing.

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

Chrysanthemums

ROOTED CUTTINGS

Ready Now.

750 Smith's Advance, 2000 Mrs. David Syme,
3000 A. Byron, 2500 W. Bonaffon,
2500 Rosette, 2000 Halliday,
1500 Pac. Supreme, 1500 M. Bonaffon, and
others. Send for list.

WM. SWAYNE,
Kennett Square, Pa.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. Bristol, Pa.

Mention the American Florist when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Budding Knife Free.

See Page 817.



GLADIOLUS GLORY.

Gladiolus

	Per 1000
KUNDERDI "GLORY".....	Per 100, \$7 50 \$70 00
AMERICA, 1 1/4 to 1 1/2 inch.....	27 50
Mrs. Francis King, 1 1/4 to 1 1/2 inch.....	17 00
Augusta, 1 1/4 to 1 1/2 inch.....	16 00
Florists' XXX, Mixed.....	15 00
Priniceps, The King of All Gladioli,	Per 100, \$10 00
Red and Scarlet Shades.....	11 00
Pink Shades.....	13 50

TUBEROSES

True Dwarf Pearl

Medium, 3 4-in.....\$5 00 per 1000

CALADIUMS

(Esculentum)

5-7-inch.....\$15 00 per 1000

7-9-inch..... 30 00 per 1000

COLD STORAGE STOCK

Valley Pips

	Per 1000
London Market.....	\$15 00
Premium Brand.....	13 00
Clumps...\$20 00 per 100	

Lilium Rubrum

9 to 11.....\$80 00 per 1000

Lilium Auratum

8 to 9.....\$50 00 per 1000

9 to 11..... 80 00 per 1000



Chicago VAUGHAN'S SEED STORE New York

I Have Been Dubbed The Dahlia Crank

I do not dislike the title, for I have been informed that it signifies an ENTHUSIAST—and I acknowledge that I am.

I have carried on a systematic study and trial tests for many years, increasing the list with novelties from abroad and at home, discarding as well as adding—and have at present perhaps the largest list of varieties grown by any one person up-to-date.

For want of ground, as well as advancing years I am willing to dispose of much of my stock having a surplus over actual needs. Send for my descriptive list and prices.

E. STANLEY BROWN, Prop., A. G. Trial Grounds East Moriches, Suffolk Co., N. Y.

CHRYSANTHEMUMS

Strong plants, 2 1/4 in. pots, ready now or will make deliveries later. Glen Cove, Unaka, Mrs. David Symes, Witterstatter, Roman Gold, \$7.00 per 100. Smith's Advance, \$4.00, Chadwick Supreme, \$8.00, Chrysolora, \$10.00 per 100. Golden Glow, Crocus, Yellow Jones, Dr. Enguehard, Major Bonaffon, Jerome Jones, White Bonaffon, Clementine Tousef, Amorita, Charles Kazer, White Eaton, White Chadwick, Late Yellow, Late Pink, Virginia Pöehlmann, Golden Chadwick, \$2.50 per 100, \$22.50 per 1000. Will exchange for Asparagus, Sprengeri, Boston or Scotti Ferns.

ELICROSS, 25 Monroe St., Grand Rapids, Mich.

Some Fine Stock

Lobelia, Kathleen Mallard,
Heliotrope, Best Market Blue,
Salleri Geraniums, Fuchsias, German Ivy,
All 2 1/4 and 2 1/2 inch pots, fine stocky plants,
\$1.50 per 100; \$15.00 per 1000.

P. J. SCHROEDER, Pine Brook, N. J.

ROSES

See Price-list Ad. page 726, April 13th.

THE LEEDLE FLORAL COMPANY,
SPRINGFIELD-OHIO.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

Japanese Lilies

Spec. Album, 9 in.-11 in.....	per 100..\$13.00
Rubrum, 9 in.-11 in.....	per 100.. 9.00
Melpomene, 9 in.-11 in.....	per 100.. 9.50
Tuberoses, Double, pearl, 4 in-6 in.,	\$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.

114 Chambers Street, NEW YORK, N. Y.
Mention the American Florist when writing

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO
Mention the American Florist when writing

Joseph Heacock Company's Palms & Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana			
Pot	Leaves	In. high	Each
2½-in.	4	8 to 10	\$ 1 50
3-in.	5	12	2 00
4-in.	5	15	\$0 35
5-in.	6 to 7	18	50
6-in.	6 to 7	24	1 00
Cedar tub	Leaves	In. high	Each
7-in.	6 to 7	34 to 36	2 50
9-in.	6 to 7	40 to 45	4 00
9-in.	6 to 7	42 to 48	5 00
9-in.	6 to 7	48 to 54	6 00
9-in.	6 to 7	5 ft.	7 50

Kentia Forsterlana—Made up			
Cedar tub	Plants	In. high	Each
7-in.	4	36	\$ 2 50
7-in.	4	36 to 40	3 00
9-in.	4	40 to 42	4 00
9-in.	4	42 to 48	5 00
9-in.	4	48 to 54	6 00
12-in.	4	5½ to 6½ ft.	15 00

Cocos Weddelliana			
Pot	In. high	Per 100	Each
2½-in.	8 to 10	\$10 00	

Areca Lutescens			
Cedar tub	Plants in tub	In. high	Each
9-in.	Several	5 ft.	\$7.50

Phoenix Roebelenii			
Pot	High	Spread	Each
5-in.	nicely characterized		\$1 00
6 in.	18 to 20-in.	spread	1 50
Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	\$2 00

Cibotium Schiedeii			
Cedar tub	Spread	Each	Each
9-in.	4 feet	\$3 00	
9-in.	5 feet	5 00	
9-in.	6 feet	6 00	

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your own convenience, both going and coming. When you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa.

Railway Station,
Jenkintown.

Mention the American Florist when writing

THE NEW
CARNATION

BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities.

The New "Helen" Pink A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit." Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber, Grower, LYNBROOK, Long Island, N. Y.

R. G. Wilson, Fulton St. and Greene Ave., BROOKLYN, N. Y.

Chas. H. Totty, MADISON, N. Y.

Mention the American Florist when writing

CARNATIONS

Rooted Cuttings

Rosette—The bright, large-flowered dark pink carnation. Only a few thousand left for April 10th delivery.

\$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

For March delivery we can supply now:

	Per 100	Per 1000
Scarlet Glow	\$3.00	\$25.00
White Perfection	3.00	25.00
Bonfire	6.00	50.00
Rose Pink Enchantress	3.00	25.00

Quality Cuttings

F. DORNER & SONS CO.

LA FAYETTE, INDIANA.

Mention the American Florist when writing

Asparagus Plumosus Nanus Seed.

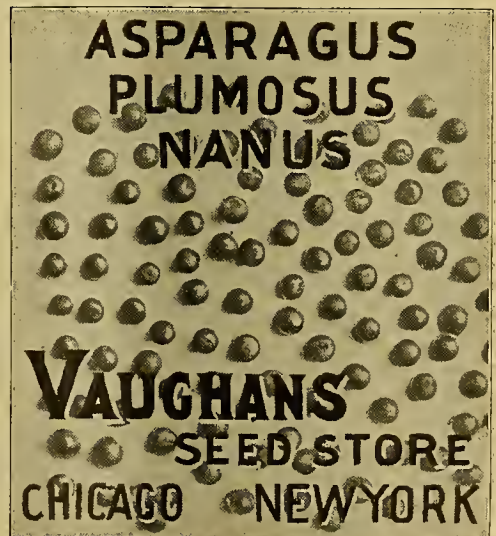
Northern Greenhouse Grown.

of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$3.50; 5000 seeds at \$3.25 per 1000.

Vaughan's Seed Store, CHICAGO. NEW YORK.

Mention the American Florist when writing



The Early Advertisement Gets There

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, April 22.—Mushrooms, 40 cents to 45 cents per pound; radishes, 15 cents to 50 cents per dozen bunches; lettuce, 22½ cents to 25 cents, small cases; cucumbers, \$1 to \$1.35 per dozen.

New York, April 20.—Mushrooms, 40 cents to \$1.25 per 4-pound basket; cucumbers, 75 cents to \$1 per dozen; tomatoes, 10 cents to 25 cents per pound; radishes, \$1.50 to \$2.00 per 100 bunches; lettuce, \$1 to \$1.50 per strap; rhubarb, 50 cents to 75 cents per dozen bunches. \$3 to \$5 per 100 bunches; mint, 50 cents to 75 cents per dozen bunches.

Growing Watercress.

Many gardeners have learned the satisfaction of having a bit of parsley and mint growing in the garden. Once in the ground they care for themselves and furnish appetizing additions to soups, salads and meats, that are always at hand. Why not add watercress? says The Rural Californian. It is not even necessary to have running water to grow good watercress. It can be grown in moist soil in a box or half barrel, or in any pool, or ditch, or shallow watercourse. All you have to do to start it is to sow a little seed, or plant a few freshly cut branches. The cress grows wild in nearly every little stream in California, but you may as well have it in your own yard. The tender tips and leaves are delicious for salad in place of lettuce, or may be used in combination with it. A salad every one likes is watercress with little balls of cottage cheese or soft cream cheese with French dressing. It also adds taste when cooked with spinach greens.

Sprouting Seeds.

The method of soaking or sprouting seeds before planting is well known and much practiced by the nurserymen and should have a place in the market gardens. The main objection is we find that our average seed drills will not handle damp seeds. On that account we can often apply the method to such seeds only as we plant by hand. The object of advance soaking may be various; at times we can secure and hold an earlier start; next we may wish to be sure of an even stand; again the moisture in the field may recede gradually, thus giving dry seeds no time to get a hold; we may wish to get ahead of weeds, which is of great importance with slow seeds like parsley and celery, or we may wish to cover a longer period of germination by mixing dry and sprouted seeds to avoid damage by frosts or insects.

At this writing we have a field of spinach, the seed for which was sprouted in a hotbed and then broadcasted; we were lucky to strike a few nice days just when the seeds were ready and the result is we will very likely

have the market for a week to ourselves. Frames which have held cabbage and lettuce plants we sowed to celery and by the sprouting method we have a stand of celery only a few days after the sowing.

While under treatment the seeds need attention. We place them in flats, pots or pans according to quantity and water thoroughly; place in proper temperature and cover with wet cloth or paper. Every day we stir thoroughly and examine moisture; if allowed to sprout uniformly they are lost—hence we must get them out before the germs show or at least as soon as the first appear.

MARKETMAN.

GOUVERNEUR, N. Y.—J. T. Humphrey, who last year leased the Brainard greenhouses and renovated them, has had a very fine season and an excellent Easter trade. The rebuilding of the houses was not completed in season for the growing of flowers and lettuce was planted during the winter which has had a splendid sale.

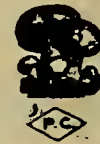
Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.



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

Pure Culture Mushroom Spawn

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

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

Bonfire Carnation

Extra strong healthy R. C. \$4.50 per 100; \$40.00 per 1000. Without question the most profitable red carnation in commerce. Our only red for next winter.

W. W. Coles, Kokomo, Ind.

Alternantheras.....

Strong, well rooted cuttings, the kind that will please you.

P. Major, red.....50c per 100; \$4.00 per 1000

A. Nana, yellow.....50c per 100; 4.00 per 1000

J. W. DAVIS, 225 W. 16th Street, Davenport, Iowa.

IPOMEA NOCTIFLORUM

Our so well known pure white waxy Moonvine, bearing flowers very fragrant and as big as a saucer, 2½-in. pots; will make good stock for you to propagate from; \$5.00 per 100.

Godfrey Aschmann,

1012 W. Ontario Street, PHILADELPHIA, PA.

Bench Rose Plants == Grafted

Pink and White Killarney, 2-year-old stock. \$50.00 per 1000. Now ready for shipment.

BASSETT & WASHBURN, Hinsdale, Ill.

Alternantheras Coleus

	Per 100
Red, Yellow, 2¼ pot, April 20th	\$2.00
Geraniums, S. A. Nutt and 5 varieties from 3 in. pot, April 20th.....	4.00
Geraniums, 2½, April 20th.....	3.00
Asp. Plumosus and Sprenger, 2¼ pots, May 1st.....	2.00

	Per 100
10 varieties, 2¼ pot.....	\$2.00
Verbena, 2¼ pot.....	2.00
Petunias, May 1st.....	3.00
Canna, 10 varieties, 3 in. pot.....	4.00
King Humbert, 3 in. pot.....	6.00
Pansy plants in bud.....	1.50

Cash or C. O. D.

Jos. H. Cunningham, - - Delaware, O.

Mention the American Florist when writing

TO THE TRADE

HENRY METTE, Quedlinburg, Germany

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWED AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohi Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Spring Is Here! Stock Up!

Those who ordered last year won't need any urging to buy again. This advertisement is for the other fellow. Now is a good time to learn what Vaughan Quality is. Early orders will receive first attention.

BAY TREES BOX TREES

Due to arrive May 1st to 15th.
Prices include tubs.

Standard or Tree Shaped.

Stems	Crowns	Each	Pair
36 in.	24 in.	\$ 7 00	\$13 00
45 in.	26 in.	7 50	14 00
45 in.	28 in.	8 00	15 00
45 in.	30 in.	10 00	18 00
48 in.	34 in.	12 00	22 00
48 in.	40 in.	15 00	28 00

Dwarf Standards

Stems	Crowns	Each	Pair
30 in.	24 in.	\$ 7 00	\$13 00
18 in.	24 in.	7 00	13 00
12 in.	30 in.	7 50	14 00

Pyramid Shaped.

Diameter at Base	Each	Pair
5 ft. high, 24 in.	\$ 8 00	\$15 00
6 ft. high, 26 in.	10 00	18 00

Ampelopsis Veitchii.

(Japan or Boston Ivy.)

	Each	Doz.	100
2-year-old plants...	\$0 15	\$1 75	\$12 00
3-year-old plants...	20	2 00	15 00

Due to arrive April 15th to 25th.
Prices include green tubs.
10 per cent discount if wanted out of tubs.

Standard or Tree Shaped.

18-26 in. stem, 18 in. crown.	\$3 00	\$5 50
18-26 in. stem, 24 in. crown.	4 50	8 00

Pyramid Shaped

	Each	Pair
2½ ft. high.....	\$2 00	\$ 3 75
3 ft. high.....	2 50	4 50
3½ ft. high.....	3 00	5 50
4 ft. high.....	4 00	7 50
5½ ft. high.....	7 50	14 00

Globe Shaped.

15 in. high, 15 in. in diam.	\$2 25	4 00
18 in. high, 18 in. in diam.	2 75	5 00

Bush Shaped.

Prices do not include tubs.

	Each	Doz.	100
12 in.....	\$0 35	\$ 3 60	\$25 00
15 in.....	60	6 50	
20 in.....	75	8 00	
24 in.....	1 00	10 00	
30 in.....	2 50	per pair \$4 50	
36 in.....	3 50	per pair 6 00	

Clematis Paniculata.

	Each	Doz.	100
2-year-old clumps...	\$0 15	\$1 50	\$10 00
3-year-old clumps...	20	2 00	15 00
4-year-old clumps...	35	3 60	25 00



Standard Bay Tree.



Pyramidal Box Tree.

NEW ROSES FOR 1912

Double White Killarney—(Budlong)

The most valuable White Forcing Rose ever offered,

and Killarney Queen—(Budlong)

A cerise pink sport of Killarney.

Own roots.....	each, 75c;	doz., \$6.00;	100, \$25.00;	1000, \$200.00
Grafted.....	each, 75c;	doz., 7.50;	100, 30.00;	1000, 250.00

Lady Hillingdon.

An excellent forcing variety of a deep coppery yellow.

Own roots.....	each, 40c;	doz., \$3.00;	100, \$20.00;	1000, \$150.00
Grafted.....	each, 40c;	doz., 4.00;	100, 25.00;	1000, 200.00

Sunburst.

An intense shade of golden yellow. Own roots...each, 50c doz., \$5.00

STANDARD SORTS

	Own Roots			Grafted		
	Dozen	100	1000	Dozen	100	1000
Killarney.....	\$.85	6.00	55.00	\$2.00	15.00	140.00
" Double Pink..	2.50	12.00	110.00	3.00	20.00	190.00
" White.....	1.00	7.00	65.00	2.00	15.00	140.00

	Own Roots			Grafted		
	Dozen	100	1000	Dozen	100	1000
Mrs. Aaron Ward.....	\$1.50	10.00	95.00	3.00	20.00	190.00
My Maryland.....	.....	.....	.....	2.00	15.00	140.00

and many other kinds too numerous to mention Ask for prices.

Place your order now and we will ship when you are ready.

ASK FOR OUR SPRING BOOK FOR FLORISTS.

Vaughan's Seed Store, 31 W. Randolph St., CHICAGO. 25 Barclay St., NEW YORK.

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

GLADIOLI

Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Brenchleyensis, Etc. Lilies, Summer Flowering Bulbs and Hardy Plants.

E. S. MILLER, Wading River, N. Y.

STOCKS

Beauty of Nice, Pink, Red and Lavender, also a fine lot of snapdragons in colors. The above will be fine for Decoration Day. Out of 2½ in., \$2.00 per 100; \$5.00 for 300.

J. C. SCHMIDT, Bristol, Pa.

ROSES

Bench Beauty Plants.....	\$6.00 per 100;	\$50.00 per 1000
Also some Pink Killarney from bench.....	5.00 per 100;	35.00 per 1000
A nice lot of 2½-in. My Maryland.....	5.00 per 100;	40.00 per 1000
2½-in. Pink Killarney	5.00 per 100;	40.00 per 1000
2½-in. White Killarney.....	5.00 per 100;	40.00 per 1000
2½-in. Mrs. Taft as Prince de Bulgarie.....	6.00 per 100;	50.00 per 1000

J. A BUDLONG, 82-86 E. Randolph St., Chicago

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

MINNEAPOLIS, MINN.—To stimulate an interest in Arbor day the L. S. Donaldson Co. offered to distribute 50,000 young trees to the public school children.

The nursery trade is having very serious difficulties in executing orders this month. The lingering of winter in the lap of March delayed nursery operations very much.

A New Fruit Enemy in New York.

In a limited section of the Hudson valley the pear orchards were severely damaged in 1911 by an insect which the entomologist of the State Experiment Station discovered to be the pear thrips, which have been a destructive insect in California for several years, but were unknown in the east, states the bulletin of the station. These little insects reduced the crop of Kieffer pears from one-third to nine-tenths or even more. Bartlett's and Clapp's Favorites were not seriously injured, but other varieties were badly affected. These thrips are very small, being only one-twentieth of an inch long, and emerge from the soil the last of April and first of May, attack the opening flowers, puncturing the center and sucking the juice. The injured buds cease to grow and the whole blossom cluster becomes stunted and shrivelled. As they are a sucking insect they cannot be reached by internal poisons but must be destroyed by contact insecticides. The nicotine preparations are effective when combined with soap or kerosene emulsion, and two or three sprayings are required when the buds are swollen and partly open and until they are entirely open at the tips, and to secure the greatest benefit the spraying mixture should be applied in liberal quantities as a coarse driving spray, holding the nozzle fairly close to the buds in order to force the liquid into the ends of the buds.

Early Flowers in Arnold Arboretum.

There are already many flowers to be seen in the Arnold Arboretum, states the Bulletin of April 18. The elms, and the red maple, the poplars and some of the hazels are in flower. The flowers of the silver maple are already falling. Many of the alders are now covered with their delicate flowers. One of the most interesting of these is the Japanese *Alnus tinctoria*. This is a medium sized shapely tree with smooth pale bark and large dark green leaves, two specimens of which were raised from seeds brought from Japan by Professor Sargent in 1892 and have grown more rapidly and to a larger size than any of the plants of that collection. This is a good time, too, to examine the willows, as many of the shrubby species are in flower.

The first plant to bloom in the shrub collection is *Daphne Mezereum* where the white flowered form has been flowering for more than a week. This small shrub, of which there are several forms in cultivation, is a native of the mountains of Europe and western Asia. It

is valuable for its very early fragrant flowers, appearing with or before the leaves, and for its showy scarlet fruits. Two native shrubs are masses of blooms. The first, the Spice Bush (*Benzoin activale*), is a common inhabitant of northern swamp borders. It is a tall shrub with slender branches on which the small yellow flowers are now opening. The male and female flowers are found on different individuals, so that only some of the plants bear the small, bright scarlet, shining fruits which are so attractive in the autumn. The leaves, which are fragrant like those of its relative the sassafras, are uninjured by insects and turn bright yellow before falling. This is one of the common shrubs which should be better known by gardeners. Just above the Spice Bushes is a group of the Leatherwood (*Dirca palustris*), which in the perfection of its specimens is one of the most successful groups in the Arboretum. The Leatherwood is valuable for its small but very early and abundant yellow flowers which appear before the leaves and will soon be fully open. It owes its common name to the toughness of the bark of the branches. The geographical distribution of the genus is unusual, as of its two species one is widely distributed in the eastern United States and the other is found only in California.



Moon's
 A nursery with an enormous collection of thrifty Ornamental Trees & Shrubbery for landscape plantings. Catalogue upon request.
The Wm. H. Moon Co.,
 MORRISVILLE, PA.

Robert Craig Co...
HIGH CLASS PALMS
 and Novelities in Decorative Plants.
 Market and 49th Sts., Philadelphia, Pa.

SPECIALTIES.
 Roses, from 3-in pots. Chrysanthemums
 Carnations for fell delivery. Smilax, Violets
IN BEST VARIETIES.
 Prices low. Send for list.
Wood Brothers, FISHKILL, New York.

LARGE TREES
OAKS and MAPLES
 Pines and Hemlocks
ANDORRA NURSERIES,
 Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.

Hill's Evergreens
 Often some particular variety of evergreen becomes popular in a town, or can be made popular, to the great profit of the dealer who has a good stock of it. We grow leading evergreens by the million—we can make your Evergreen Department more profitable by supplying you with stock you can "stand by." Get our Wholesale Catalog and prices now.
D. HILL NURSERY COMPANY, Inc.
 Evergreen Specialists. Largest Growers in America
 Box 404, Dundee, Illinois

Mrs. Taft **ROSES** Mrs. Taft

Mrs. Taft (Rivoire), large 2 1/4-in.....\$6.50 per 100; \$60.00 per 1000
 " " " large 3-in..... 8.00 per 100; 75 00 per 1000

IMMEDIATE SHIPMENTS.

Weiland & Risch
 154 N. Wabash Ave., CHICAGO

ROSES — 2 1/2 Inch Pots

	Per 100	Per 1000
American Beauties.....	\$5.00	\$45.00
White and Pink Killarney.....	4.00	35.00
1 Year Old Bench Plants.		
American Beauties.....	5.00	45.00
White and Pink Killarney.....	4.00	35.00
Asparagus Plumosus Clumps.....	4.00	35.00

GEO. REINBERG
 162 N. Wabash Ave., CHICAGO, ILL.

B. & A. SPECIALTIES
 Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
 Nurserymen and Florists. RUTHERFORD, N. J.

Carnations

Rose Pink Enchantress, from soil, \$24.00 per 1000.

Enchantress, from soil, \$29 00 per 1000.

	R. C. per 100	1000
White Wonder	\$1 00	\$50 00
Norwood	6 00	50 00
Dorothy Garden	4 00	35 00

	R. C. per 100	1000
White Enchantress	\$3 00	\$25 00
Enchantress	3 00	25 00
Beacon	3 00	25 00

	R. C. per 100	1000
Rose Pink Enchantress	\$2 50	\$20 00
Winsor	2 50	20 00

CHRYSANTHEMUMS

PINK.		
	R. C. per 100	1000
Gloria	\$2 50	\$20 00
Amorita	2 50	20 00
Dr. Enguehard	2 50	20 00
Pacific Supreme	2 00	15 00
Balfour	2 00	15 00

CRIMSON.		
	R. C. per 100	1000
Pockett's Crimson	\$2 50	\$20 00
Schrimpton	2 50	20 00
Intensity	2 00	15 00

YELLOW.		
	R. C. per 100	1000
Crocus, the best yellow	\$4 00	\$35 00
Yellow Eaton	\$2 50	\$20 00
Golden Glow	2 00	15 00
Halliday	2 00	15 00
Maj. Bonaffon	2 00	15 00

WHITE.		
	R. C. per 100	1000
White Chadwick	\$3 00	\$27 50
Lynwood Hall	2 50	20 00
White Eaton	2 50	20 00
Alice Byron	2 00	15 00
Touset	2 00	15 00
October Frost	2 00	15 00

J. D. THOMPSON CARNATION CO., **Carnation Specialists,** **Joliet, Ill.**

Geraniums

Big lot of fine cuttings ready now, \$10.00 per 100. Poitevine, Ricard and S. A. Nutt.

COLEUS

Next lot ready May 6th. Verschaffeltii, Golden Bedder, and mixed standards at \$6.00 per 1000. Stock plants of these from four-inch pots for delivery May 20th at \$3.50 per 100. Giant Leaved from two inch pots at \$3.50 per 100; from sand at \$2.00 per 100.

Plumosus, Sprengerii, Smilax

Plumosus, fine stock at \$25.00 per 1000. Sprengerii, four-inch pots at \$3.50 per 100. (Ready now). Smilax for June and after at \$12.50 per 1000.

CARNATIONS

Washington from pots at \$5.00 per 100. Other varieties later on.

To save delay send cash with the order. Samples of any stock for ten cents.

ALBERT M. HERR, Lancaster, Pa.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner. Ricard. Perkins. Poitevine, 2-in., \$2.00 per 100.
 Boston Ferns, 5-in., 25c each.
 Whitmani Ferns, 4-in., 25c.
 Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
 Vinca Var., 2-in., 2c.
 Asparagus Sprengeri, 2-in., \$2.50 per 100.
 Asparagus Plumosus, 2-in., \$3.00 per 100.
 Cash with order.

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

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
 Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.
 Roosevelt, \$6.00 per 100; \$50.00 per 1000.
 250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. **Williamstown Junc., N. J.**

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.

	Per 100	Per 1000
Richmond, 2½-in.	\$12 00	120 00
Sunburst, 2½ in.	35 00	
Maryland, 2½-in	12 00	120 00
Mrs. Aaron Ward, 2½-in.	14 00	120 00
Melody, 2½-in.	14 00	120 00
Mrs. Taft or Prince de Bulgarie, 2½-in	14 00	120 00
Radiance	14 00	120 00
Dbl. Pink Killarney, 3½-in.	150 00	

OWN ROOT.

	Per 100	1000
White Killarney, 2½-in.	\$6 50	\$60 00
Maryland, 2½-in.	5 50	50 00
Antoine Rivoire, Mrs. Taft, or Prince de Bulgarie, 2½-in.	8 00	70 00
Radiance, 2½-in.	8 00	
Melody, 2½-in.	8 00	70 00
Mrs. Aaron Ward, 2½-in.	8 00	70 00

CHRYSANTHEMUMS.

WHITE.			YELLOW.		
	R. C. per 100	1000		R. C. per 100	1000
Smith's Advance	\$3 00	\$25 00	\$4 00	\$25 00	
October Frost	2 50	20 00	3 00	25 00	
Virginia Poehlmann	2 50	20 00	3 00	25 00	
Clementine Touset	2 50	20 00	3 00	25 00	
Alice Byron	2 50	20 00	3 00	25 00	
Timothy Eaton	2 50	20 00	3 00	25 00	
W. H. Chadwick	3 00	25 00	4 00		
Golden Glow	2 50	20 00	3 00		
Halliday	2 50	20 00	3 00	25 00	
Col. Appleton	2 50	20 00	3 00	25 00	
Major Bonaffon	2 50	20 00	3 00	25 00	
Yellow Eaton	2 50	20 00	3 00	25 00	
Golden Chadwick	3 00	27 50	4 00	35 00	
Dolly Dimple	2 50		3 00		

PINK.			RED.		
	R. C. per 100	1000		R. C. per 100	1000
McNiece	\$2 50	\$20 00	\$3 50	\$30 00	
Maud Dean	2 50	20 00	3 50	30 00	
Patte	2 50				
Dr. Enguehard	2 50	20 00	3 50	30 00	
Schrimpton	3 00	25 00	3 00	25 00	
Intensity	2 50	20 00	3 00	25 00	

POMPONS.

Large Assortment of Best Commercial Varieties only.

R. C. \$3 00 per 100
 2½ in. \$4 00 per 100; \$35 00 per 1000

Good, Big Clumps of Croweanum, \$10.00 per 100.

Orders are now booked for April, May, June and July delivery. All goods are sold for cash or 30 days on approved credit.

Mention the American Florist when writing

ROSE PLANTS

2½-Pots.	Per 100	Per 1000
American Beauty	\$5.50	\$50.00
White Killarney	5.00	40.00
Pink Killarney	5.00	40.00
Maryland	5.00	40.00
Perle	4.00	30.00
Richmond	4.00	30.00

PETER REINBERG,

30 East Randolph St.,

CHICAGO

Asparagus Plumosus and **Sprengeri**, 3-in. pots, \$4.00 per 100.
Ivy, Hardy English, 4-in. pots, \$1.00 per dozen; 3-in. pots, \$4.00 per 100.
Vinca Variegata, 4-in. pots, \$3.00 per 100.
Clematis, large-flowering varieties, 5-in. pots, \$2.00 per dozen; extra strong 6-in. pots, \$3.00 per dozen.
Clematis paniculata, strong 2-year-old plants, \$10.00 per 100. these will bloom this season. 1-year-old plants, \$5.00 per 100. Seedlings, strong, \$1.00 per 100, \$8.00 per 1000.
Daisies, Paris White, 3-in. pots, \$4.00 per 100
Swainsona Alba, 2½-in. pots, \$3.00 per 100.
Dracaena Indivisa, 3-in. pots, \$4.00 per 100.
Chrysanthemums, strong plants from flats, \$2.00 per 100. Golden Glow, White Cloud, Pacific Supreme, Dr. Enguehard, Yellow Jones, Nonin, Pompons, White Diana, Lulu.
Carnations, Rooted Cuttings, from soil, fine plants of Boston Market, still one of the best whites, \$2.00 per 100; Enchantress, white and pink, \$3.00 per 100.
Passiflora Cœrulea and **Pfordii**, 3-in. pots \$4.00 per 100.
Moonflower, large-flowering, from 2½-in. pots, \$3.00 per 100.
 Plants from 2½-in. pots, \$2.50 per 100: **Abutilon Savitzi**; **Cupheas**; **Ageratum**; **Salvia Bonfire**; **Parlor Ivy**; **Variegated Ground Ivy**; **Asparagus Sprengeri**; **Dracaena Indivisa**; **Alyssum**, Dwarf; **Euonymus**, Golden Variegated; **Variegated Vincas**; **Cobaea Scandens**.
Anthericum Variegatum, 4-in. pots, \$8 per 100.
Ampelopsis Veitchii, from 4-in. pots, \$10.00 per 100; 3-in. pots, \$5.00 per 100.
Wistaria Sinensis, seedling plants, 3-in. pots, \$4.00 per 100.
Euonymus, Golden Variegated, 4-in. pots, \$10.00 per 100; 3-in. pots, \$5.00 per 100.
Hydrangea Otaksa and **Thos. Hogg**, 2½-in. pots, \$3.00 per 100.

G. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

Mention the American Florist when writing.

Madison

The Money-Making Rose

The Greatest Producing
 Rose of any White
 Forcing Rose ever
 in cultivation.

Awarded Certificate of Merit by the National Association of Gardeners at Philadelphia meeting April 15th. The highest award of Association.

PLANTS IN 2½-INCH POTS READY FOR DELIVERY NOW.

From 25 to 500 plants, at 25c each. 500 Plants or over, at 20c each.

Terms: Cash with order, or will send C. O. D. to parties not known to us.

Brant-Hentz Flower Co.
MADISON, N. J.

Mention the American Florist when writing.

Stock for Everybody

Boxwood, Pyramidal—24-in. high, \$1.00 each; 30-in. high, \$1.50 each; 36-in. high, \$2.00 each; 42-in. high, \$3.00 each.

Boxwood, Bush Shape—12-in. high, 30c each, \$25.00 per 100; 18-in. high, 45c each; 24-in. high, \$1.00 each; 30-in. high, \$1.50 each (very heavy); 36-in. high, \$2.00 each (very heavy). Above nicely shaped stock with ball of earth, burlaped.

Azalea Mollis, Hardy, for outdoor planting, 12 to 15 in. high, full of buds, \$25.00 per 100.

Tree Roses, straight, stiff stems, 4 ft. high, with good heads; hardy sorts only, all colors, \$40.00 per 100.

Rhododendrons, Parson's hardy varieties for outdoor planting, undoubtedly the largest block of imported plants in the country. Fine bright foliage and well filled with buds. Named sorts in all colors. 15 to 18 in. high, 7 to 10 buds, 50c each; 18 to 24 in. high, 8 to 12 buds, 75c each; 24 to 30 in. high, 12 to 16 buds, \$1.00 each, 30 to 36 in. high, 16 to 20 buds, \$1.50 each.

Kalmia Latifolia (Mountain Laurel), 18-in. high, 12 to 15 in. head, with ball of earth, 50c each.

English Ivy, strong 4-in. pot plants, in fine growing condition, 3 ft. of tops, \$12.00 per 100; 2½-in. pots, \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.



New Hardy Golden Vinca. Vinca Minor Aurea.

Golden variegated Myrtle or Periwinkle.

This is not a creamy yellow like V. Variegata but a rich deep golden yellow, grand for shrubby borders, banks, window boxes, vases and especially for cemetery work.

Awarded Certificate of Merit by the New York Hort. Society; Paterson (N. J.) Horticultural Society and Elberon (N. J.) Horticultural Society.

Price, 3 in. pot plants, \$2.00 per doz.; \$15.00 per 100. Delivery in April.

WM. TRICKER, Arlington, N. J.

Water Lilies and Hardy Plants a Specialty

Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

Roses.

Ramblers, Hybrid Teas, Hybrid Perpetuals, Dwarf Polyanthas, Standards and Half Standards.

Lily of the Valley.

Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.

TELL US YOUR WANTS.

Jackson & Perkins Company,

Nurserymen and Florists (Wholesale only), Newark, Wayne Co., New York

ROOTED CUTTINGS

Prepare NOW for Spring. NOW is the time to buy the cuttings. They are good now. If you wait until late Spring you cannot get as good. Our cuttings now are grand, and will make the price as follows for a few weeks: **SALVIA**, 80c per 100; \$7.00 per 1000. **COLEUS**, 70c per 100; \$6.00 per 1000. **AGERATUMS**, 60c per 100; \$5.00 per 1000. **PETUNIAS**, \$1.25 per 100; \$10.00 per 1000. **HELIOTROPE**, 80c per 100; \$7.00 per 1000. **DAISIES**, \$1.00 per 100; \$8.00 per 1000. **FEVER-FEW**, true little gem (no dog fennel), \$1.00 per 100; \$9.00 per 1000.

Express paid. Cash with order.

S. D. BRANT, Clay Center, Kansas.

Bellis Daisy (Longfellow and Snowball), \$2.00 per 1000.

Verbenas, transplanted, 50c per 100.
Heliotrope, 2 in., \$2.00 per 100. R. C. \$1.00.
Alyssum Double, 2 in., \$2.00 per 100. R. C. 50c.
Moon Vine, 2 in., \$2.50 per 100.
Geraniums, Mme. Buchner, rooted, \$11.00 per 1000.
 Other sorts ready in April. 4 houses of stock plants.
Elmer Rawlings, Wholesale Grower, Olean N. Y.

Gladiolus

	Per 100	Per 1000
AMERICA.....	\$3.50	\$30.00
AUGUSTA.....	2.25	20.00
FRANCIS KING.....	2.75	25.00
WHITE and LIGHT MIXTURE..	1.75	15.00

Caladiums

5-7-inch.....\$2.00 per 100
Gloxinias Separate colors, \$3.50 per 100; \$30.00 per 1000

A. HENDERSON & CO.
 30 E. Randolph St., CHICAGO

PALMS, FERNS

AND

Decorative Plants

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

Dreer Specials in Hardy Perennials



PYRETHRUM HYBRIDUM FL. PL.

Anemone Japonica. Not the usual winter killed stock, pulled up from the field, which may or may not grow and flower, but 60,000 well-established plants in 3-inch pots, which if planted under conditions at all favorable will produce an abundance of flowers during the late summer and fall months which will be found valuable for cutting purposes. The varieties are the choicest now grown:

	Per doz.	Per 100
Japonica Rubra. Beautiful rosy-red.....	\$1 00	\$ 7 00
Alba. A fine large snowy-white.....	1 00	7 00
Queen Charlotte. Very large, silvery-pink.....	1 00	7 00
Rosea Superba. Very delicate, silvery-rose.....	1 00	7 00
Whirlwind. Large semi-double, pure white flowers.....	1 00	7 00
Kricmhlde (new). Semi-double, rose pink.....	1 00	7 00
Loreley (new). A semi-double, bright, silvery mauve pink.....	1 50	10 00
Alice (new). Large, silvery-rose, shell-like petals suffused with fresh carmine.....	1 50	10 00
Giant Blanche. Largest single glistening white.....	1 50	10 00
Prince Henry. Large, very double, deep rich pink.....	1 50	10 00
Purpurine (new). Very large semi-double, deep purplish-rose.....	1 50	10 00

Double Flowering Hybrid Pyrethrums. We are carrying a large stock of these, not sca-sick plants, but stock which will flower freely this season, and you will make no mistake in planting these for early summer cut-flowers, for which they are invaluable, and your customers will appreciate them. We offer the following colors: **Double White, Double Pink and Double Crimson**, \$2.50 per dozen: \$20.00 per 100. We also can supply a splendid lot of **Single Flowering Seedlings** in choicest mixture from 3-inch pots, which will flower freely this season, at 85c per doz.; \$6.00 per 100; \$50.00 per 1000. U

We are now distributing our **Spring Wholesale List**, which offers a complete line of **Hardy Perennials, Large Roses in pots**, specially prepared for the retail trade, **Hardy Vines and Climbers, Shrubs, Decorative Stock, Boxwoods, Bay Trees, Water Lilies**—in fact, everything seasonable in **Plants, Bulbs and Seeds**. The most complete list of its kind published.

HENRY A. DREER,
714 Chestnut St., PHILADELPHIA, PA.

The above prices are intended for the Trade only.

200,000 CARNATIONS

We are rooting over 200,000 this season. Our stock of Pure White Enchantress and Enchantress is hard to beat.

	100	1000
Enchantress.....	\$3.00	\$25.00
Pure White Enchantress.....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Mrs. C. W. Ward.....	3.50	30.00
Dorothy Gordon.....	3.50	30.00
White Wonder.....	6.00	50.00

250 at 1000 rates. Cash or reference.
Fine plants from soil or pots, 50c per 100 more than 100 rates named above.

Smith & Gannett, Geneva, N. Y.

Roses, Cannas, Shrubs

Ask for New Price List

THE CONARD & JONES CO.
WEST GROVE, PA.

SEASONABLE STOCK YOU SURELY WILL WANT

Ampelopsis Veitchii, 1 and 2 year old No. 1, \$4.00 and \$3.00 per 100; fine field grown stock with long live vines. Clematis Paniculata XX 2 year field grown vines, \$7.00 per 100; 3 year vines, very heavy, \$8.00 per 100. 200,000 Privet, all sizes. Shrubs, Vines, Bulbs, etc. low; get my list, it will pay.

BENJ. CONNELL, Florist, Merchantville, N. J.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Grafted Rose Plants

Choice stock from flowering wood, ready for delivery April 1st.
Well hardened and in good condition to bench or repot.

Mrs. Aaron Wardper 100, \$12.00 White Killarney.....per 100, 12.00
Rhea Reid.....per 100, 12.00

Our stock is all grafted on selected English Manetti.

PERLES

Own Root Perles, \$3.50 per 100 in 2½-in. pots; per 1000, \$30.00.

BASSETT & WASHBURN,

OFFICE and STORE: GREENHOUSES:
131 N. Wabash Ave., CHICAGO. HINSDALE, ILL.

Mention the American Florist when writing

CHRYSANTHEMUMS

and ASTER SEEDS.

For list and prices see classified advertisement on page 738, this issue.

Elmer D. Smith & Co., ADRIAN, MICH.

Phoenix Canariensis balled, by the carload, 3, 3½, 4, 4½, 5, 5½, 6 ft., at 40c, 55c, 75c, 95c, \$1.20, \$1.45 and \$1.75 each.

Areca Sapida potted, 2½, 3, 3½, 4, 4½, 5, 5½, 6 ft. at \$1.00, \$1.30, \$1.60, \$1.90, \$2.20, \$2.50, \$2.80 and \$3.10. On small orders, 25% extra, packing included.

THE KENTIA NURSERIES,
Gillespie St. & Fisher Ave., Santa Barbara, Cal.

Mention the American Florist when writing.

Ferns.

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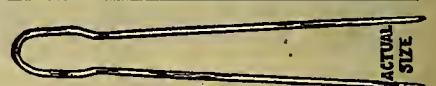
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Model Extension Carnation Support. Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market. Pat. July 27, '97, May 17, '99. GALVANIZED WIRE ROSE STAKES. Write for prices before ordering elsewhere. Prompt shipment guaranteed. IGOE BROS., 286 North 9th St., BROOKLYN, N. Y.

BUDDING KNIFE FREE. See Page 817.

WILKS' Hot Water Boilers ARE THE MOST ECONOMICAL Boiler for Greenhouses No Night Fireman Required with our SELF-FEEDING HOT WATER BOILERS. Send for Catalog and Prices. S. WILKS MFG. CO., 803 Shields Ave. CHICAGO

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Sweet alyssum, our big double giant, 80c per 100; \$0 per 1,000. Prepaid. C. Humfeld, Clis Center, Kans.

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Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

Alternantheras, R. C., P. Minor, A. Nanna, 50c per 100; \$4 per 1,000. J. W. Davis, 225 W. 16th St., Davenport, Ia.

ARAUCARIAS.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechslein, 4911 Quincy St., Chicago.

Araucaria excelsa, 4-in., 6 to 8 ins., case lots of 50 and 100 each, \$4 per 100. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus nanus, from 2 1/4-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, prop., Chatham, N. J.

Asparagus plumosus, clumps from bench, 1-year, \$4 per 100; \$35 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Asparagus plumosus nanus, 2 1/4-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Asparagus plumosus, 2 1/4-in., \$3 per 100; \$25 per 1,000. Sprenger, 2 1/2-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

Asparagus plumosus and Sprenger plants ready for 2 1/4-in., \$1.50 per 100. G. C. Lange, 2226 S. Meridian St., Indianapolis, Ind.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, \$25 per 1,000; Sprenger, 4-in., \$3.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus Sprenger, 2 1/4-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2 1/2-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprenger, can be shifted into 5-in., \$6 per 100. C. C. Polworth Co., Milwaukee, Wis.

Asparagus plumosus, 2 1/4-in., \$2 per 100; \$18 per 1,000. Joseph H. Cunningham, Delaware, O.

Asparagus plumosus and Sprenger plants. W. H. Elliott, Brighton, Mass.

AZALEAS.

Azalea mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea mollis, 12-15 ins., 10 to 16 buds, \$25 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bohlink & Atkins, Rutherford, N. J.

BEDDING PLANTS.

Bedding plants. Abutilon Savitzl; Acalypha macaeflora; Achyranthus Emersoni; ageratum, 7 varieties; Begonia Vernon; Cyphos platycentra; Cineraria Maritima candidissima; Cannas, assorted and King Humbert; Coleus, Brillancy and 11 standard varieties; Chrysanthemums, hardy pompons; Fuchsias, Goettingen and Marinka; hardy English ivy; Geraniums, ivy leaved, Mt. of Snow, Mrs. Pollock, Silver leaf Nutt, Sophie Dumaresque; Heliotrope Chieftain and Mme. Bruant; Lemon verbeena; moonvines, white and blue; petunias, dbl. fringed mixed; Sage Holts mammoth; Salvia Bonfire and Zurich; Senecio scandens, parlor ivy; Verbenas, 5 vars.; hardy phlox, 10 varieties. For sizes and prices see advertisement elsewhere in this issue. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Bedding stock, Lobells Kathleen Mallard; Heliotrope, Sallerol geraniums, fuschias, German ivy, 2 1/4 and 2 1/2-in., \$1.50 per 100; \$15 per 1,000. P. J. Schroeder, Pine Brook, N. J.

Bedding Stock. A. N. Pierson, Inc., Cromwell, Conn.

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Begonias, fine transplanted stock ready for shipment. Vernon, scarlet; Lumbrosa, crimson; Grassie Reese, light pink; \$1.25 per 100; by mail; \$8 per 1,000 express. Cash with order. Peter Brown, Lancaster, Pa.

Begonias, Lorraine, 2 1/4-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Turnford Hall, Betty Anderson, La Fairle, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

Begonia Lorraine, extra fine plants, from 2 1/2-inch pots, guaranteed all from leaf cuttings, at \$12.50 per 100. Cash or satisfactory references. ELITCH-LONG GREENHOUSES, Denver, Colorado.

Begonia Glory of Cincinnati, young shoots from base, \$15 per 100; \$140 per 1,000. J. A. Peterson, Cincinnati, O.

Begonias, Gloire de Lorraine and Glory of Cincinnati, \$2 per doz.; \$15 per 100; \$140 per 1,000. Vaughan's Seed Store, Chicago and New York.

Rex begonias, assorted, 3-in., \$5 per 100. The Dinges & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Bush box, 12 ins., 30c each; \$25 per 100. Storrs & Harrison Co., Painesville, O.

Boxwoods Pyramids, 18 in., 50c each; 2 ft., \$1.00 each; 2 1/2 ft., \$1.50 each; 3 ft., \$2.00 each; 3 1/2 ft., \$3.00 each; 4 ft., \$4.00 each; 4 1/2 ft., \$5.00 each. Cssh. F. O. Franzen, 1476 Summerdale Avenue, Chicago, Ill.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bohlink & Atkins, Rutherford, N. J.

BULBS.

Japan Lily bulbs, Lilium giganteum, longiflorum, Formosa, multiflorum, magnificentum, Malpomene, rubrum, album, auratum, etc. The Japsn Lilium Co., 952 40th St., Oakland, Calif.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

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Bulbs, Gladiolus, America, \$3.50 per 100; \$30 per 1,000; Augusta, \$2.25 per 100; \$20 per 1,000; Francis King, \$2.75 per 100; \$25 per 1,000; White and Light mixture, \$1.75 per 100; \$15 per 1,000. Caladiums, 5-7-inch, \$2 per 100. Gloxinias, separate, \$3.50 per 100; \$30 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs, begonias, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Lilium Harrisll, 7-9, \$17 per csse of 250 bulbs. White hyacinths, 12-15 ctms., \$18 per 1,000. Paper White Grandi, Narcissus, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lilium Harrisll. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Gladiolus, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neguscott, etc., Lilies. E. S. Miller, Wading River, N. Y.

Gladiolus. I have a small surplus of named gladioli that I offer at reduced prices. Write for surplus list. LILLESAND, Cambridge, Wis.

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Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, Dutch. W. J. Eldering & Son, Overveen, Holland.

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Cannas, well started. Austris, Italia, \$1.00 per 100. Florence Vaughan, Chas. Henderson, \$1.50 per 100. J. D. Eisele, Louisiana, Pennsylvania, Mlle. Berat, \$2.00. King Humbert, \$4.00 per 100. Salvia, 2 1/2-in., blue ageratum, sweet nlyssum verbenas, \$2.00. Coleus, Golden Bedder, Verschaftelil, Firebrand, John and Annie Fitzer, \$2.00. Cobaea vines, 2 1/2-in., \$3.00. Boston, Elegantisima and Scotti ferns, 3-in., \$5.00 per 100. J. W. Yates, Box 110, Tuskegee Inst., Ala.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crimson Bedder, Chas. Henderson, David Hartum, Allemania, Shensdosh, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

Cannas. For varieties and prices, see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Cannas, Chas. Henderson, 2 to 3 eyes, \$2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

Carnations, White Wonder, Norwood, \$6 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Enchantress, Enchantress, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Rose Pink Enchantress from soil, \$24 per 1,000. Enchantress from soil, \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

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White Enchantress, pure white..	3.00	25.00
White Perfection	3.00	25.00
Victory	3.00	25.00
Scarlet Glow	3.00	25.00
May Day, very fine.....	3.00	25.00

CHICAGO CARNATION CO.

A. T. Pyfer, Mgr., 30 E. Randolph St., Chicago.

FINE CARNATION CUTTINGS.

	Per 100	Per 1000
Victory	\$2.00	\$15.00
Washington	6.00	50.00
Enchantress	3.00	25.00

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162 N. Wabash Ave., Chicago.

Carnations, extra fine strong stock in the following varieties: Enchantress, Pure White Enchantress, Rose Pink Enchantress and W. Perfection, \$3 per 100; \$25 per 1,000. Beacon, Dorothy Gordon and Mrs. C. W. Ward, \$3.50 per 100; \$30 per 1,000. White Wonder and Gloriosa, \$6 per 100; \$50 per 1,000. 1 guarantee to please you, 250 at 100 rate. Cash or reference. A. A. Ganutt, Geneva, N. Y.

EXTRA CHOICE CARNATIONS. Winsor, White Lawson and Victory. Closing out surplus of young stock. All choice, extra large plants, ready for bench or field, \$3.50 per 100; or \$50 per 1,000. Cash or reference. ELITCH-LONG GREENHOUSES, Denver, Colorado.

Carnations, Rosette, \$12 per 100; \$100 per 1,000. Scarlet Glow, White Perfection, \$3 per 100; \$25 per 1,000. Bonfire, \$6 per 100; \$50 per 1,000. Rose P. Enchantress, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., LaFayette, Ind.

Rooted Carnations from 2 1/2-in. pots, strong plants, Mrs. C. W. Ward, Bassett, \$35 per 1,000. White and Pink Enchantress, Beacon, Ruth (dark pink), \$30 per 1,000. Winsor, Dorothy Gordon, \$25 per 1,000. The Florex Gardens, North Wales, Pa.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000; White Winsor, \$6 per 100; \$50 per 1,000. Smith & Ganutt, Geneva, N. Y.

Carnations, Washington, \$4 per 100; \$35 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000. Beacon, \$3 per 100; \$25 per 1,000. May Day and Saugamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward, White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnations, strong 2-in. stock, Mrs. C. W. Ward, Alma Ward and Dorothy Gordon, \$3.50 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Carnations, Washington, from pots, \$5 per 100. A. M. Herr, Lancaster, Pa.

Carnations, rooted cuttings, White, Light Pink and Enchantress, \$20 per 1,000. Percy Jones, 56 E. Randolph St., Chicago.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

March 1st delivery.

Crimson. R. C. Per 100.	Per 1,000.
Pocket's Crimson	\$2.50
Intensity	2.00
White. R. C. Per 100.	Per 1,000.
Alice Byron	\$2.00
Touset	2.00
October Frost	2.00
Yellow. R. C. Per 100.	Per 1,000.
Crocus	\$4.00
Golden Glow	2.00
Halliday	2.00
Maj. Bonnaffon	2.00
Pink. R. C. Per 100.	Per 1,000.
Pacific Supreme	\$2.00

J. D. THOMPSON CARNATION CO.,

JOLIET, ILL.

CHRYSANTHEMUMS. Strictly first-class rooted cuttings of the following varieties: Maj. Bonnaffon, White Ivory, Amorita, Rosiere, De-Kalb, October Frost, Golden Glow, Monrovia, etc., at \$2 per 100; \$15 per 1,000. Clementine Touset, Jeanne Nonin, Dr. Enguehard, Vivand-Morel, Mrs. Robinson, Timothy Eaton, Maud Dean, Col. Appleton, Robt. Halliday, Helen Frick, Yellow Eaton, Golden Wedding, Thurlke, etc., at \$2.50 per 100; \$20 per 1,000. Cash or satisfactory reference. ELITCH-LONG GREENHOUSES, Denver, Colorado.

SMITH'S CHRYSANTHEMUM BULLETIN.

Strictly first-class Stock from 2 1/2-in. pots. Germanic Touset, Comoleta, Early Snow, Golden Glow, Monrovia, Mrs. H. W. Buckbee, Robert Halliday, Col. D. Appleton, Dr. Enguehard, Major Bonnaffon, T. Eaton, Vivand-Morel, Helen Frick, Maud Dean, Venetta, White Bonnaffon, Lanoma, Mrs. W. E. Kelley, Nagoya, \$3 per 100; \$25 per 1,000. Golden Wedding, Lynnwood Hall, Pres. Roosevelt, Intensity, W. H. Chadwick, White Helen Frick, Dolly Dimple, Winter Cheer, Golden Chadwick, Pocket's Crimson, Mrs. O. H. Kahn, Greenview, Wm. Duckham, \$4 per 100; \$35 per 1,000. Chadwick Improved, \$5 per 100; \$40 per 1,000. We are now booking orders of the following for May delivery. Chrysolora, \$15 per 100. Smith's Advance, Unaka, Dick Witterstaetter, Thanksgiving Queen, Roman Gold, \$6 per 100. The foregoing are only a partial list of varieties we carry in stock. All others will be quoted on application. **ROOTED CUTTINGS:** \$2.50 per 100; \$17.50 per 1,000 for those quoted at \$3 per 100. \$3 per 100; \$22.50 per 1,000 for those quoted at \$4 per 100. \$4 per 100; \$30 per 1,000 for those quoted at \$5 per 100; \$25 at 100; \$250 at 1,000 rate. For colors and flowering season refer to our catalogue for 1912. This advertisement will be changed weekly to comply with stock on hand. Patty, Pacific Supreme, Amorita, Mlle. M. Desjouis, Mayor Weaver, Klondike, Diana, \$3 per 100. Elise Papworth, Pres. Roosevelt, Beatrice May, M. Lolsau-Rousseau, T. Carlington, Geo. W. Pook, Blackhawk, \$4 per 100. Merza, \$5 per 100. **ELMER D. SMITH & CO., ADRIAN, MICH.**

CHRYSANTHEMUMS. R. C., \$2; 2 1/2-in. \$3.50; 3-in., \$5. White: Kalb, Bonnaffon, J. Jones, Robinson. Pink: Ivory, J. K. Shaw, Dr. Enguehard, Maud Dean, Monrovia, Robt. Halliday, Golden Wedding. Yellow: Chadwick, Golden Glow, Bonnaffon, Golden Age, Appleton. GEO. A. KUHLE, Pekin, Ill.

Chrysanthemums, Major Bonnaffon, Standard yellow, every plant well rooted, \$1.50 per 100; \$12.50 per 1,000. Cash with order. Charles M. Weaver, Ronks, Pa.

Chrysanthemums. Our collection of over 50 varieties cover all that is desirable. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums. Chas. H. Totty, Madison, N. J.

Chrysanthemums, commercial varieties. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums. Wm. Swayne, Box 85, Kennett Square, Pa.

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

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis, W. & T. Smith Co., Geneva, N. Y.

COBAES.

Cobaeas, 2 1/2-in., \$3.50; 3-in., \$6.00 per 100. 15 to 20-in. vines. Wonseller Greenhouses, Bryan, O.

COLEUSES.

Coleus, Verschaffeltii, G. Bedder, and mixed standards, \$6 per 1,000; 4-in. pots, \$3.50 per 100. Giant leaved, 2-in., \$3.50 per 100; from sand, \$2. A. M. Herr, Lancaster, Pa.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

CYCLAMENS.

Cyclamen Gigantea, transplanted Aug. seedlings, Cream of English and German strain, including orchid and best salmon flower, 10 separate varieties, 4-6 leaves, ready to pot, \$3 per 100; \$25 per 1,000. Rober & Radke, Maywood, Ill.

Cyclamens, 3-in. pots, \$10 per 100; \$80 per 1,000. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS.

Dahlia, strong divisions, heat cut flower sorts, grown from divisions, not plants. The W. K. Fletcher Bulb and Floral Co., shipping point, Des Moines, Valley Junction, Iowa.

Dahlia, divided field clumps of Nymphaea, \$3 per 100; \$25 per 1,000. L. Manard, R. F. D. 1, Knoxville, Tenn.

Dahlia, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlia, new and standard varieties. Bassett & Weller, Hammonont, N. J.

Dahlia, E. Stanley Brown, East Moriches, Suffolk Co., N. Y.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlia, leading kinds, \$3.50 per 100; \$30 per 1,000. Divided field-roots, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Dahlia, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

DAISY HEADQUARTERS. We offer the three best, Mrs. Sanders, Solly d'Or (yellow), and Queen Alexandra, strong plants from 2 1/2-in. pots, \$5 per 100. WIELAND & RISCH, 154 N. Wabash Ave., Chicago.

Marguerite Mrs. F. Sanders, 4-in. strong plants, 7c for quick sale. Leo. Wellenreiter, Danvers, Ill.

DRACAENAS.

Dracaena indivisa, 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$4 per doz.; \$30 per 100. Large plants in 7, 8 and 9-in. pots, 75c, \$1, \$1.50 and \$2 each. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracaena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$15 per doz.; 8-in., \$1.50 each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Dracaena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emman, Newton, N. J.

FERNS.

Ferns, Amerpohll, Barrowell, Scotti, Elegantisima, Boston, Jackson, Sword and Whitmani, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dungee & Conard Co., West Grove, Pa.

Ferns for dishes, transplanted, ready for potting, five varieties, \$1 per 100; \$9 per 1,000; 2-in., 8 varieties, \$3 per 100; \$25 per 1,000. Cash, please. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrowa & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns, 4-in., \$12 per 100. Boston, Barrowell, Elegantisima. Also 2 1/2-in. Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emman, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, fine, double flowers, the best of all, \$1 per 100; \$9 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

GERANIUMS.

ROOTED GERANIUM CUTTINGS.

S. A. Nutt, Gen. Grant, Beaute Poitevine, Mme. Buchner, strong selected top cuttings which will make 2 1/2 or 3-in. stock for May trade, \$1.25 per 100; \$12 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, S. A. Nutt, Ricard, Beaute Poitevine, White Buchner, 3-in., 6c; 4-in., 7c and 8c, good stocky plants in bud and bloom. Cash with order. Gus Schlegel, Oiney, Ill.

GERANIUM SCARLET BEDDER. An improved S. A. Nutt, being brighter in color and surpassing this popular sort in freedom of bloom. Strong plants, 30c each; \$2.50 per 10; \$20 per 100.

ELMER D. SMITH & CO., Adrian, Mich.

Geraniums, \$10 per 1,000, Poitevine, Ricard and S. A. Nutt. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emman, Newton, N. J.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 33-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 110 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Southern Wild Smilax. Caldwell The Woodman Co., Evergreen, Ala.

Greens. Henry M. Robinson & Co., 46 W. 26th St., New York.

HARDY PLANTS.

HARDY PLANTS. Papaver Orientale (Oriental poppy), strong field-grown roots, blooming size, per 100, \$4. E. H. Vick, Seedsman, Rochester, N. Y.

HARDY PLANTS. Hardy Native Ferns and Plants. Catalog for asking. L. E. Williams, Exeter, N. H.

Hardy perennials. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Rochester, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea for summer flowering, 11-in. pail-tubs, 5 to 6 leads, \$1 each; 12-in. Riverton tubs, 8 to 10 leads, \$2.50 each; 14-in., 10 to 12 leads, \$3.50 each. Joanne d'Arc, 6-in. pots, 25c each; 10-in. pail-tubs, 75c. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

English Ivy, 2 1/2-in., \$3 per 100. The Good & Reese Co., Springfield, O.

English Ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Harburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the Valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lilies of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$17 per 1,000. Florists' Money Maker, \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3032-3040 W. Madison St., Chicago.

MOONVINES.

Ipomoea grandiflora, 2 1/2-in., need a shift, \$3.00 per 100. Wousetler Greenhouses, Bryan, O.

MUSHROOM SPAWN.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

NURSERY STOCK.

Hardy Native Ornamental Stock. Catalog for asking. L. E. Williams, Exeter, N. H.

Nursery stock, Ampelopsis Veltchil, Clematis paniculata, privet, shrubs, vines, bulbs, etc. Benj. Connell, Merchantville, N. J.

Nursery stock, large trees, oaks, maples, plums and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, ornamental trees and shrubbery. The Wm. H. Moon Co., Morrisville, Pa.

Evergreens. D. Hill Nursery Co., Box 404, Dundee, Ill.

ONION SETS.

Choice, unaprooted onion sets, yellow, \$1.70; white, \$2 per 32 lbs. Bushel sacks included. Stula Seed Store, 544 W. 63rd st., Chicago.

ORCHIDS.

Orchids, cattleyas, dendrobiums, Cypripedium insigne, pans, pots and baskets of 4 to 12 bulbs, 50c to \$1 each. A. J. Binley, Glens Falls, N. Y.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Relgate, England.

Orchids, Cattleya and Laelia anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Phoenix Canariensis and Areca Sapida. For prices see advertisement elsewhere in this issue. The Kentia Nurseries, Santa Barbara, Calif.

Cycas stems, dormant, 50 lbs., per lb., 10c; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs and up, 7 1/2c per lb. Vaughan's Seed Store, Chicago and New York.

Palms, for varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms, for varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms, McHutchison & Co., 17 Murray St., New York.

PANSIES.

150,000 pansy plants, fall transplanted, best strains, in colors or mixed, \$2.25 per 1,000. Strong seedlings, \$1.25 per 1,000. Cash with order. Henry Greene, Ft. Hamilton Ave. and 2nd St., Brooklyn, N. Y.

Pansies, 60,000 large stocky (Sept. transplanted) field-grown blooming pansy plants. Henry Mette's strain, \$1 per 100; \$10 per 1,000. Cash. The Brill Celery Gardens, Kalamazoo, Mich.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, strong transplanted plants, large flowering, \$4 per 1,000; 50c per 100. Cash. Gus. Schlegel, Olney, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies, good strong divisions in mixed varieties, 5c. The Mosbak Greenhouse Co., Onarga, Ill.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 18 to 24 buds, 8 to 12 buds, 75c each; 24 to 30 ins., 12 to 16 buds, \$1 each; 30 to 36 ins., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 ins. named vars., \$4 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

ROOTED CUTTINGS.

Rooted cuttings, Salvia, 80c per 100; \$7 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Petunias, \$1.25 per 100; \$10 per 1,000. Heliotrope, 80c per 100; \$7 per 1,000. Daisies, \$1 per 100; \$8 per 1,000. Feverfew, \$1 per 100; \$9 per 1,000. S. D. Brant, Clay Center, Kans.

ROSES.

CHOICE ROSE PLANTS.

	Per	Per
	100	1,000
American Beauties	2 1/2 in. \$8.00	\$50.00
Pink Killarney	2 1/2 in. 5.00	45.00
White Killarney	2 1/2 in. 5.00	45.00
Richmond	2 1/2 in. 3.00	25.00
Jardine	2 1/2 in. 3.00	25.00
Uncle John	2 1/2 in. 3.00	25.00

Ready Now, Order Early.

WIETOR BROS.,

162 N. Wabash Ave. Chicago

ROSES—ROSES.

Richmond, 2-in. pots	\$35.00 per 1,000
Kaiserling, 2-in. pots	35.00 per 1,000
Mrs. Aaron Ward, 2-in. pots	10.00 per 100
Melody, 2-in. pots	10.00 per 100

SALVIA splendens, 2-in., pots, \$2.00 per 100; 3-in. pots, \$3 per 100.

Cash with order.

J. HENRY BARTRAM, Lansdowne, Pa.

ROSES.

	2 1/2-in.	3-in.
American Beauties	\$6.00	\$8.50
Bride	3.50	6.00
Bridesmaid	3.50	6.00
Ivory	3.50	6.00
Uncle John	3.50	6.00
Richmond	4.00	7.50

Geo. A. Kuhl, Extn. 1111.

Roses, My Maryland, 2 1/2-in., \$5 per 100; \$40 per 1,000. Pink Killarney, from bench, \$5 per 100; \$35 per 1,000. Bend Beauties, \$6 per 100; \$50 per 1,000. 2 1/2-inch Pink Killarney, White Killarney, \$5 per 100; \$40 per 1,000. Mrs. Taft, \$6 per 100; \$50 per 1,000. J. A. Budlong, 82 E. Randolph St., Chicago.

CHOICE ROSE PLANTS.

	Per 100	Per 1,000
2,000 Richmond, 2 1/2-in.	\$8.00	\$80.00
1,500 Melody, 2 1/2-in.	8.00	60.00
1,000 My Maryland, 2 1/2-in.	8.00	60.00

SINNER BROS., Chicago, Ill.

82 E. Randolph St., Chicago, Ill.

Roses, 2 1/2-in., American Beauty, \$5.50 per 100; \$50 per 1,000. White Killarney, Pink Killarney, \$5 per 100; \$40 per 1,000. My Maryland, \$5 per 100; \$40 per 1,000. Perle, Richmond, \$4 per 100; \$30 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses, Am. Beauties, \$5 per 100; \$45 per 1,000. W. and P. Killarney, \$4 per 100; \$35 per 1,000. One-year-old bench plants: American Beauty, \$5 per 100; \$45 per 1,000; W. and P. Killarney, \$4 per 100; \$35 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Roses, grafted, Mrs. Aaron Ward, \$12 per 100; White Killarney, \$12; Rhea Reid, \$12; Perle, own roots, \$3.50 per 100; 2 1/2-in. pots, \$30 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

ROSES. Own root. White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Rose Madison, 2 1/2-in., plants ready for delivery now, 25 to 500 plants, 25c each; 500 plants or over, 20c each. Brant-Hentz Flower Co., Madison, N. J.

Roses, Mrs. Taft, 2 1/2-in., \$6.50 per 100; \$60 per 1,000; 3-in., \$8 per 100; \$75 per 1,000. Welland & Risch, 154 N. Wabash Ave., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthas, Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, Killarney and Double White Killarney, grafted and own roots. A. N. Pierson, Inc., Cromwell, Conn.

ROSES. Send for New Trade List just out. THE CONARD & JONES CO., West Grove, Pa.

Roses, Eastern Nurseries, 1090 Centre St., Jamaica Plain, Mass.

Rose Radiance, 2 1/2-in., \$1 per doz.; \$6 per 100. The Good & Reese Co., Springfield, O.

SALVIA.

Salvia, Taft 2 1/2-in. plants, 2c. Cash. Gus. Schlegel, Olney, Ill.

"You Do Not Find What You Need in Our Ready Reference Department, Write Us About It"

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 tr.	Tr.	Pkts.	Pkts.
Begonia Bedding Queen, finest plnk.	\$2.50	\$0.60		
" Gracilis luminosa, finest red	2.50	.60		
" Trilump, finest white.....	2.50	.60		

O. V. Zangea, Hoboken, N. J.

Seeds, larix, pinus, cinnamom, abies, mella, etc. T. Amemiya & Co., 220 Clement St., San Francisco, Calif.

Seeds, sweet peas. Burnett Bros., 72 Cortlandt St., New York.

Seeds, specialties, pepper, egg plant, tomato, vicia seed and field corn. Edgar F. Hurff, Mullica Hill, N. J.

SMILAX.

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

STRAWBERRY PLANTS.

Strawberry plants, Senator Dunlop, \$2.50 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VEGETABLE PLANTS.

TOMATOES—Stone, Beauty, Champion, Ponderosa, strong transplanted plants, \$2.50 per 1,000. Ready May 1.

CELERY—White Plume, Golden Self-Blanching, strong transplanted, \$2.50 per 1,000. Ready May 1.

Early Jersey Wakefield Cabbage plants, \$1 per 1,000, fine plants; selected stock, \$2 per 1,000. Grand Rapids lettuce plants, \$1 per 1,000. DANVILLE FLORAL CO., Danville, Ill.

SWEET POTATOES—Early Yellow Jersey, \$1.00 per 1,000. No order accepted for less than 5,000 lots. Ready May 15. Cash with orders. Henry Greene, Ft. Hamilton Ave. and 2nd St., Brooklyn, N. Y.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. Sluis Seed Store, 544 W. 63rd St., Chicago.

Transplanted, Vick's asters, celery, tomatoes, \$2.70, 1,000. Cabbage, cauliflower, peppers, 80c, 1,000. Kozuhoff, Ogdensburg, N. Y.

VERBENAS.

Verbenas, mammoth white, purple, Defiance, Mayflower, 75c per 100; \$6 per 1,000, separate colors. Gigantea mixed with white eye, very fine, \$1 per 100; \$8 per 1,000. Rober & Radke, Maywood, Ill.

Verbenas Mammoth mixed, strong 2-in., 2c. Cash. Gus. Schlegel, Olney, Ill.

VINCAS.

VINCA VARIEGATA, fine large 4-in. pot plants, \$9 per 100. Order now. Don't delay. Wagner Park Conservatories, Sidney, Ohio.

Vinca variegata, 2 1/4-in. pot plants, \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinca variegated, 4 and 5-in., 6, 8 to 10 long streamers, fine plants, 12c each. Cash. Gus. Schlegel, Olney, Ill.

Vinca variegata, fine, strong, 2 1/4-in., \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vincas, rooted cuttings, very strong, \$1 per 100; \$8 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

Vinca, new golden (minor aurea), 3-in., \$2 per doz.; \$15 per 100. Wm. Tricker, Arlington, N. J.

BOILERS.

Boilers. The Moolinger-Furman; 200 sizes and styles. John C. Moolinger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Richardson Greenhouse Boilers. Richardson & Boynton Co., 31 W. 31st St., New York. 66 E. Lake St., Chicago. 51 Portland St., Boston. 1107 Arch St., Philadelphia.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Gibling & Co., Utica, N. Y.

Boilers. Lord & Buroram Co., Irvington, N. Y.

Castle Automatic Circulator. Our booklet tells how the circulator works. American Auxiliary Heating Co., 6 Beacon St., Boston, Mass.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moolinger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, 1 to 2-ins. thick, random or specified widths, 10 to 16 feet. William-Kunz Mill and Lumber Co., Mound City, Ill.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Steel and iron work. Scully Steel and Iron Co., Chicago and New York.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Insecticides, Apline, \$1 per quart; \$2.50 per gal. Fungine, 75c per quart; \$2 per gal. Apline Mfg. Co., Madison, N. J.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

COAL.

Coal, W. Va. Excelsior Splint, Brazil Block, Pocahontas, Youghiogheny, Eureka and Plymouth. Northern States Coal and Mining Co., 406 Fisher Bldg., 343 So. Dearborn St., Chicago.

FERTILIZERS.

Canadian Unleached Hardwood Ashes, best fertilizer in use, \$11 per ton. Geo. Stevens, Peterborough, Ont.

GUTTERS.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

Gutters. Jeannings' improved iron gutters. Diller, Caskey & Keen, Sixth and Berk Sts., Philadelphia.

MISCELLANEOUS.

Clara cemetery vases, 12 ins. high, doz., \$2.50; barrel of 3 doz., \$6, f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

Mastic for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Peerless refrigerators. Jas. Lederer, 644 W. Madison St., Chicago.

Ribbons and chiffons. Wertheimer Bros., 565 Broadway, New York.

Green Silkaine. John C. Meyer & Co., Lowell, Mass.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Florists' Supplies. Henry M. Robinson & Co., 46 W. 26th St., New York.

POTS, PANS, ETC.

Flower pots and hotbed sash. Good second-hand pots, 2 1/4 to 6-in., also good strong hotbed sash. If interested write The Mosbæk Greenhouse Co., Onarga, Ill.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe Stems, about 6 feet; per 100, 80c; per 1,000, \$5. Vaughan's Seed Store, Chicago.



The Deacon and the "Hoss"

A True Story with a Moral.

Terse Talk No. 5.

OUR minister's horse strayed away last Sunday, and he couldn't find him. So he went over to Deacon Jones for help. Very soon afterwards the deacon came up the yard leading the horse; "How did you get him so soon?" asked the surprised minister. "Well, after you had gone, I just sat down and figured where I'd go if I was a hoss—then I went there an' there he was." The deacon sure had horse sense.

It's a thing some of the so-called "wise growers" need to get a supply of. When it comes to building, for instance, some of them go pretty much every place for their materials but to the right place—a greenhouse concern. They buy their cypress material of a planing mill—their boiler of some second-hand dealer. They have a foundry cast a few crude fittings, and so on. After wasting their time and money that way, they finally wake up and go tell Deacon Jones their troubles. He "jest naturally" sends them to Hitchings & Co. because he knows that it's only horse sense, that a firm who has been making greenhouse building and equipping their sole business for over half a century, ought to thoroughly know their business. You can laugh at the deacon's chin whiskers, but you can't get around his horse sense.

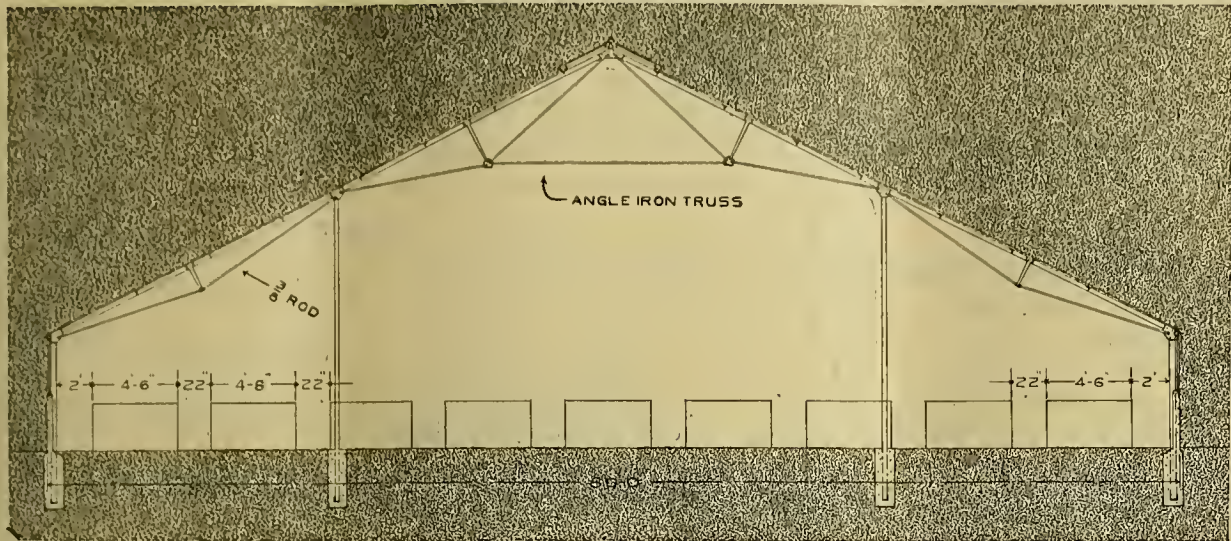
Let you and I at once have a good old fashioned horse sense talk on that house you are going to build. Write and tell us when you can see us.

Next Week's Terse Talk—
"Don't Be a Mummy. If You Are One, Get Unwrapped."

Hitchings & Co.

Elizabeth, N. J.

New York Office:
1170 Broadway.



Our Two-Column, 60-Foot Iron Frame House

HERE is a safe house because it is made a safe way. A few years ago our first 40-foot Iron Frame House having only two small columns was much the talk. Some of the old gray beards shook their heads and "had their doubts if such a house, 700 feet long, would stand the wind and snow strain."

Since then we have built many "4" footers." During the last year we did a lot of hard thinking about how an equally safe house, half as wide again, could be made with the same number of columns. We knew that it was not safe engineering practice to put the strain of that immense roof on the side posts and fittings at the ridge, which was bound to be the case if supported by trusses alone.

We also realized that a series of trusses that were brought in place "by a nut and thread tension plan" were dangerous, as any sudden, unexpected strain might strip

the threads, and should this occur on several of the trusses' the roof would be in great danger of collapse. It was evident that to keep watch of these innumerable tension truss rods was out of the question.

Knowing these things, we have gone slow—slow, but sure—and now here is a house 60 feet wide, that is stiffened between the two columns, spaced 29 feet apart, by an angle iron compression truss, which is formed by bolting the angle irons directly to the fish plates and the column and ridge fittings. No trussing between the iron rafters is necessary.

You get nine 4-feet 6-inch benches; two 24-inch side-walks and eight 22-inch walks.

If you want more particulars of this house, write us. Or, better yet, call at any of our offices.

Lord & Burnham Co.

New York
St. James Bldg.

Boston
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FACTORIES:
Irvington, N. Y.
Des Plaines, Ill.

SALES OFFICES:

THE ALLIED TRADES

THE Blue Book issued by the Scully Steel & Iron Co. is a complete catalogue and price list of machinery, fittings and tools with the quantity kept in stock for immediate shipment.

Steam Coal Situation.

	PRICES ON CARLOAD LOTS.	
	Chicago	F. O. B. Mines
Sullivan—		
—Steam Lump	\$2.37	\$1.50
—Screenings	1.82	.95
Clinton—		
—Steam Lump	2.15	1.40
—Screenings	1.75	.90
—Mine Run	2.00	1.25
Pocahontas and New River—		
—Lump and Egg	4.00	1.95
—Mine Run	3.20	1.15
Smokeless (B. & O. and Tug River)—		
—Lump and Egg	4.00	1.95
—Mine Run	3.15	1.50
Hocking Valley—		
—1½ inch Lump	3.15	1.50
Thacker and Kanawha Districts—		
—1½ inch Lump	3.40	1.50
Cartersville—		
—6 inch Lump	1.50	2.25
—6x3 Egg	1.50	2.25
—3x2 Nut	1.50	2.25
—2 inch Screenings	1.15	2.20

Chicago.—The referendum vote to return to work on terms substantially as promulgated by John H. Walker received nearly 95 per cent of the total votes cast by the individual miners at

Northern States Coal & Mining Co.

406 Fisher Bldg., 343 So. Dearborn St., CHICAGO
Phone Harrison 6753.

Allow us to book your contract now for Fall Delivery.

We Lead in Good Coal at Right Prices. Others Follow.

Let us have your inquiries NOW for the following grades of **FLORISTS' COALS**:

**W Va. Excelsior Splint,
Brazil Block,
Pocahontas,**

**Youghiogeny,
Eureka,
Plymouth, } Indiana.**

Indianapolis, and if the mines remain dormant hereafter it will be to enable the accumulated storage coal to reach consuming channels. The opinion prevails that entirely too much coal is above ground for the good of the trade. The Chicago Great Western Railroad Company found itself with some seventeen hundred cars of steam coal on its hands for which it has no immediate use now that the strike clouds have dissipated; the same can be said also of the storage coal developed by other railroads, notably the Rock Island, Pennsylvania, Illinois Central, Chicago & Alton, and other carriers. In view of so much coal in evidence the operators are reluctant to admit the mines will open anyway soon, and it may be the



BEFORE

No loss if you mend your split carnations with

Superior Carnation STAPLES

50c

per

1000

postpaid.



AFTER.

Wm. Schlatter & Son
422 Main St., Springfield, Mass.

second week in May before the mines are again producing coal in anything like normal quantities.



KING GREENHOUSES

We furnish all kinds of Greenhouses:

- King Tubular Iron Frame,
- King Fiat Rafter Iron Frame,
- King Semi-Iron Frame,
- King Private Conservatories.

All designed to suit all requirements.

We also furnish Ventilating Machinery, Pipe Hangers, Shelf Brackets, Iron Gutters,

Special Greenhouse Paint & Putty, as well as Boilers and Piping for heating.

King Construction Co.,

Head Office and Works:
NORTE TONAWANDA, N. Y.

Eastern Sales Office:
No. 1 Madison Ave., NEW YORK.

Hot-Bed Sash, Too.

Houston, Texas.

One of the most severe hail and rain storms that has visited this section in years passed over the city April 16, and greatly damaged roses and shrubbery and beat down vegetable and flower gardens. H. H. Kuhlman's houses on Jackson street were almost demolished by hail, 95 per cent of the glass broken and the plants damaged by the second hail storm which followed, 6,000 lilies in bud were cut and bruised, the loss being 85 per cent. Roses, geraniums and bedding stock were all damaged, and his loss will be nearly \$3,000. R. C. Kerr's city houses were fairly riddled but the house on Westheimer road did not suffer so badly. He estimates his loss at \$1,000. The Hauser & Sons Floral Co. sustained damage to the extent of \$2,000 to \$3,000, the glass being practically all broken and plants destroyed. It will take 400 boxes of glass to replace that which was broken.

NOTES.

H. H. Kuhlman opened a new store March 21 at 919 Capitol avenue. He is cutting some very fine Spanish iris.

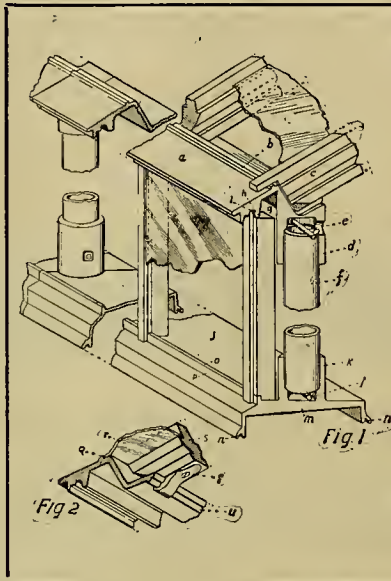
Charles Ehlers is now nicely located on Capitol street, and reports business as very good. His loss from hail and the storm was small.

Hauser & Sons Floral Co. will open a store opposite the post office. J. H. Hauser will manage the store at 708 San Jacinto street. ABYDOS.

MONTREAL, QUE., CAN.—The quality of both plants and flowers was well above the average, the prices of some of the stock were better, and the increase in the amount of Easter business was about 10 per cent. There was a good supply of plants and flowers, lilies in pots being in short supply and carnations in cut flowers, but everything sold well.—LUCK.

METROPOLITAN MATERIAL CO.

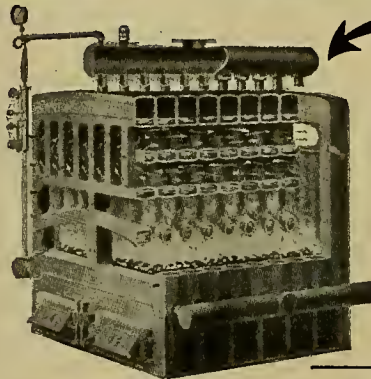
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Metropolitan Patent Iron Wall Construction

WITH a little extra cost above wood, and with less trouble, anyone can put up our Iron Wall Greenhouse by bolting the different pieces together and securing roof bars for any size glass to the iron side plate and drip conductor combined. Side bars are held securely without the use of nails or screws. To economize wall plate may be eliminated.

Get our prices, circulars and plans on Louisiana Cypress, Heating, Ventilating, Bench Materials, Hot-Bed Sash, Glass, Etc.



Boynton Furnace Co.

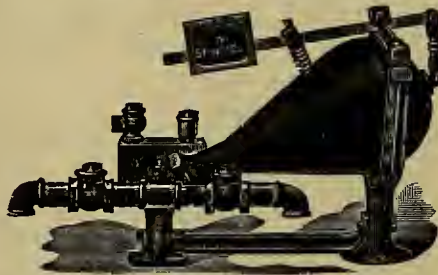
SOLE MANUFACTURERS OF
BOYNTON'S

WATER and STEAM BOILERS

FOR HEATING ALL KINDS OF BUILDINGS

Especially Adapted to Heating Greenhouses

New York { Chicago } Jersey City
131 W. Lake St.



Standard Steam Traps

The simplest, most durable and up-to-date steam trap on the market.

Ask the man who owns one

Catalogue sent on request.

E. HIPPARD CO., Youngstown, Ohio

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water.

GIBLIN & CO., Utica, N. Y.

The Regan Printing House

LARGE RUNS OF

CATALOGUES

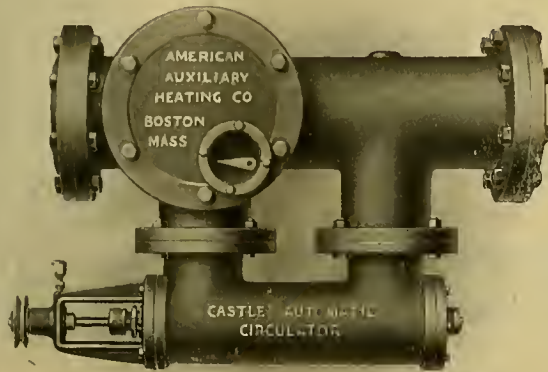
OUR SPECIALTY

WRITE FOR FIGURES.

527 Plymouth Place,

CHICAGO

¶ You don't need to burn out your fire
 trying to get heat quickly into the greenhouse farthest from your boiler. A
Castle Automatic Circulator



will force the hot water throughout the system and do it without putting on a pressure that is liable to cause leakage. It does it by mechanically setting the water in motion and keeping it moving until the desired heat is just where you want it.

The Castle Circulator has entirely cured the faults of hot-water systems which could not be satisfactorily operated before it was put in. We would like to show you the results of tests.

Our new booklet tells how the circulator works.

Write at once to the

American Auxiliary Heating Company, 6 Beacon Street, BOSTON, MASS.

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MASTICA
 FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
 12 W. BROADWAY
 NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing.

CYPRESS
 IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
 UP TO 32 FEET OR LONGER.
GREENHOUSE
 AND OTHER BUILDING MATERIAL,
 MEN FURNISHED TO SUPERINTEND
 ERECTION WHEN DESIRED.
 Send for our Circulars.
The A. T. Stearns Lumber Co.,
 NEPONSET, BOSTON, MASS.

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The Cost of a Leak



Conservative figures convincingly demonstrate the economy of Everlasting blow-off valves.

As an example to point, engineers estimate that the loss of one gallon of water under steam pressure equals one pound of coal.

Therefore, a blow cock leaking 2 cu. ft. per hour involves a loss of 15½ lbs. of coal, 372 lbs. in 24 hours, or 5.72 tons per 30 days. At \$3.00 per ton this equals \$17.16, or more than 10 per cent. over the initial cost of a 2½-in. non-leaking Everlasting blow-off valve.

Besides being non-leaking, the Everlasting valve has other points that will commend themselves to you strongly.

Our booklet and test offer will interest you.

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INTERNATIONAL
 STEAM AND HOT-WATER BOILERS

For large work use the International Empress Boiler. For small houses use the International Prince Boiler. Why wait? Write us today.
INTERNATIONAL HEATER CO. UTICA, N. Y.

Flower Colors

Use our COLOR CHART in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 South Dearborn Street. CHICAGO

Aphine

The Insecticide that kills plant Lice of every species

The insecticide that makes good. Will destroy green, black, white fly, red spider, thrips, mealy bug, brown and white scale, and all soft bodied insects. It is an oil and nicotine composition, used as a spray.
\$2.50 per gallon—\$1.00 per quart.

FUNGINE

An infallible remedy for mildew, rust, soil fungi and other blights affecting flowers and vegetables. It is a sulphur preparation which does not stain the foliage, and is proving successful where Bordeaux mixture and lime and sulphur fail.
\$2.00 per gallon—75c per quart. These products are readily soluble in water, used as a spray, at strength as per directions on cans, and are equally effective in the greenhouse, and in the garden.

Sold by Seedsmen.
Manufactured by
Aphine Manufacturing Company
MADISON N. J.
M. C. EBEL, Gen'l Mgr.

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A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University. Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes. 250-page Catalog free. Write today.

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Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES
\$3 per 100 lb. bag
Money with order

Satisfaction guaranteed or money back

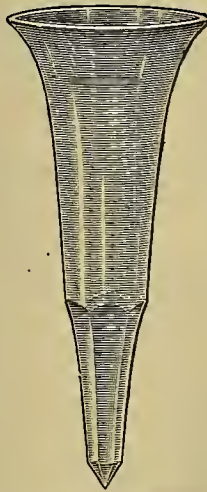
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FLOWER COLORS

Use our Color Chart in describing them.
PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.
440 South Dearborn Street, CHICAGO



Clara Cemetery Vase

MADE OF SOLID MOULDED GLASS

12 inches high, with wide flaring mouth.
Can be supplied in green or white.
Doz., \$2.50; barrel of 3 doz., \$6.00,
f. o. b. Chicago.

Vaughan's Seed Store

CHICAGO: 31-33 W. Randolph St. **NEW YORK:** 25 Barclay St.

D. D. Johnson's Celebrated EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere
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United Fertilizer Company
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143 North Wabash Avenue Chicago, Ill.

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NIKOTEEN

The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. Full pint bottles, \$1.50.

APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. ALL SEEDSMEN.

Prepared by THE NICOTINE MFG. CO., St. Louis, Mo

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Cattle Manure in Bags

Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequaled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
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THE BEST Bug Killer and Bloom Saver

For PROOF Write to

P. R. PALETHORPE COMPANY,
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Tobacco Stems

Strictly clean and strong, from high grade Cigar Tobacco only. Freshly stripped and baled daily at factory in 300 lbs. bales. Large or small orders promptly shipped. Write or 'phone if you want A No. 1 Tobacco Stems.

H. MUNSON,
Tel. North 572. 1405 Wells St., CHICAGO.

BUDDING KNIFE FREE
See Page 817.

Green Flies and Black ones too

are easy to kill with
The Fumigating Kind Tobacco Powder
\$3.00 per bag 100 lb.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOHOFF CO., MOUNT VERNON, N. Y.

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HOT WATER AND STEAM

Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities



Guaranteed Ratings
Economy
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Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind

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A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

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JOHN G. ESLER, Secretary,
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To Tell All the Good Points of Our Construction

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is impossible. If you
rebuilding or addi-
you to write us.

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SASH BAR,
AND
IRON FRAME
HOUSES

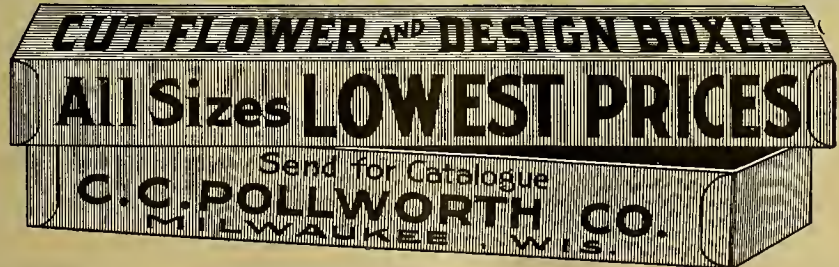


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CONCRETE
BENCH MOULDS
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APPLIANCES



Send for Catalogue
C. C. POLLWORTH CO.
MILWAUKEE, WIS.

50% SAVED.
Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

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PRINTERY Close Prices on all
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1000 Letter Heads..... { \$3.50
1000 Envelopes..... {

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Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

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For Florists' Use

We are positively headquarters for two best grades.
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Write today for prices.

VAUGHAN'S SEED STORE
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H. BAYERSDORFER & CO.

Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

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10,000, \$1.75; 50,000, \$7.50. Manufactured by
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Free

See Page 817.

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

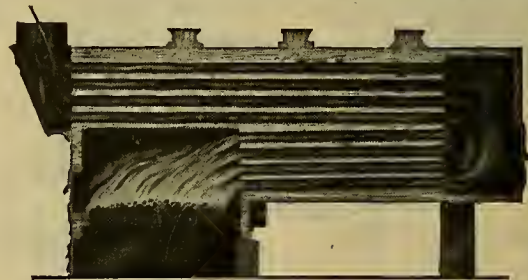
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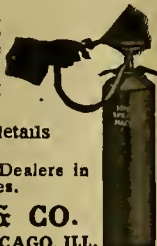
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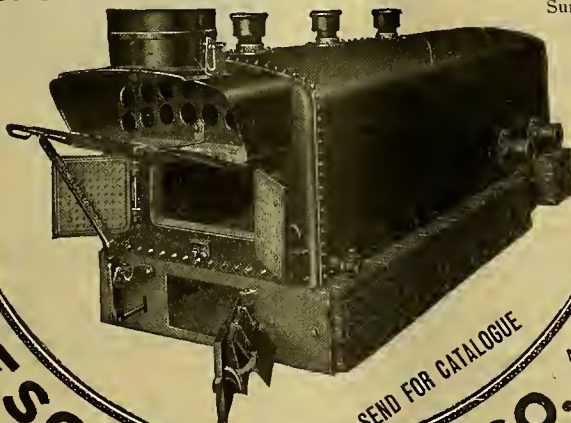
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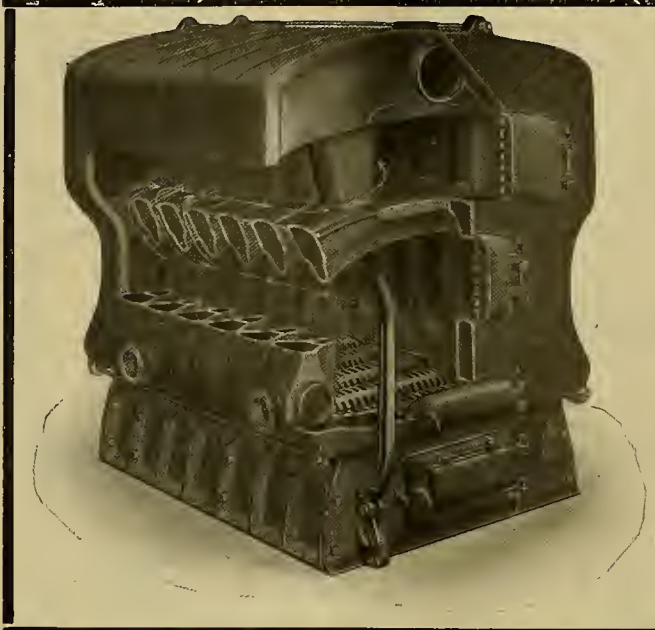
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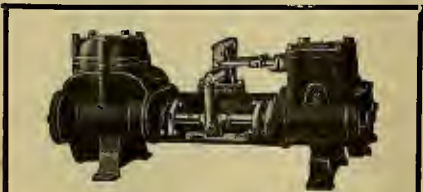
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The Best Thread on The Market
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 THE LOWELL THREAD MILLS.

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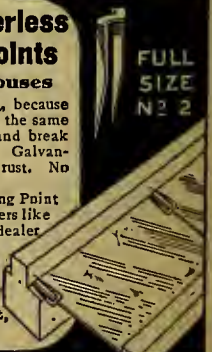
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Vol. XXXVIII.

CHICAGO AND NEW YORK, MAY 4, 1912.

No. 1248

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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Next annual meeting at Ithaca, N. Y., June, 1912.
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SUGGESTIONS FOR PLANT GROWERS.

Callas.

As the summer weather approaches the callas will cease producing flowers and will require a rest to prepare them for another year. They should be dried off gradually until they become "dust dry," when the roots will be thoroughly ripened. If watered the calla will grow all the year round, but plants grown this way will not produce as many flowers as those that are rested. Those grown in pots can be laid on their sides in the greenhouse until all danger from freezing weather is passed when they can be removed outdoors, still placing the pots on the side in full sunlight. Those grown on the bench can be lifted with as much soil as possible and placed under the bench where they will dry out gradually and later planted in the full sun outside in a dry location, and as soon as thoroughly ripened shaken out and stored until wanted to start for another season. The yellow calla, *Richardia Elliottiana*, is being grown more largely and the blooms have been used the last winter in many elaborate decorations. The culture of these is in pots and similar to the older varieties.

Marguerites for Winter.

To have good marguerites for winter flowers the plants must have a good start in the spring, for large plants the stock should now be in 2½ or 3-inch pots and growing vigorously, but if the cuttings have not been made they can now be propagated in a cool bench and good-sized plants grown, or stock should be secured at once. Do not allow these plants to become pot bound but shift them into 4-inch pots as soon as they require it and pot very firmly. Keep the plants pinched back that they may branch more freely and keep all flowers and buds picked off. For many years these plants were grown in the open ground but in some localities they have been attacked with a club root in field culture and inside culture has become necessary for success. A cold frame in which the pots are plunged is the culture successfully

practiced by many growers. In late summer they should be potted in large pots, 8-inch or 9-inch, or planted in the bench in good rich soil, so that they will be well established for fall and winter flowering. The plants grown in pots are more prolific in flowering and the size of the flowers can be maintained with liquid manure. Aphids should be kept down by fumigation and the leaf miner is a very destructive insect if once firmly established, but persistent spraying with strong nicotine solution will eradicate this pest.

Asters.

The early and midseason asters should be planted out as early as the season will allow. If the plants are hardened off for two or three weeks in a cold frame and gradually given night air as soon as safe, they will endure the outside temperature much better than those carried directly from the warm greenhouses. The land should be prepared at once, and while asters will grow on almost any piece of ground the success or failure depends much on the proper preparation of the soil. Land that was manured last fall and ploughed is by far the best, and all that will be required in the spring is a shallow ploughing or discing and then leveled. It is well not to level off too large a tract at once for heavy rains occur at this season which pack the soil down hard. Before planting give the young plants a thorough watering and if in boxes or the bench cut through the rows with a knife a day before planting. Lay the field out in rows from 15 to 20 inches apart, giving the branching varieties the greater distance, with a wider space every fifth or sixth row to provide a walk when cutting the flowers, and set the plants from 12 to 18 inches apart. Plant with a trowel, for the plants set in a dibbled hole will not take hold as quickly, and with the early asters the slight difference in time taken in planting is more than made up in the early blooming; the dibble packs the soil around the plant and the roots do not grow into it as freely, and the roots

are also contracted in the small hole made by the dibble. As soon as the field is planted, if possible, give the plants a good watering and then cultivate lightly with a wheel hoe to loosen up the soil.

Primulas.

For plants of both *P. sinensis* and *obconica* for blooming next spring May is the best time to sow the seed, which germinates very readily at this time, but if this is delayed until June it will often be found quite difficult to get the seed to start well, and as the young seedlings grow very slowly they will require constant attention during the warm weather, for a few hours sun when they are dry will cause the loss of all the plants. The soil should be sifted in a fine sieve as the seed is very small and they should not be covered with the soil, but sown thinly on the soil when loose and then pressed flat with a board. Watering should be done with a very fine rose on the can so as not to wash the seeds or soil. At this season of the year the seed will germinate readily in almost any greenhouse but it is well to cover the seed pan or box with glass to prevent too rapid evaporation and until the plants begin to make growth keep the pots well shaded. Many growers wrap a piece of paraffine paper around the glass that is placed on the seed pan, this allows plenty of light to germinate the seed and will prevent the direct rays of the sun from burning up the young seedlings when they start to grow. As these young plants grow very slowly some soils will often become caked or scaly and if this occurs the top should be carefully broken up to allow the air to enter. As soon as three or four leaves are formed put in 2½-inch pots, not too deeply, but yet deep enough to have them stand erect. They should then be placed in a cool house and much of the success of their culture depends upon the care and watering in their early growth. They are a moisture-loving plant and should never become dry, yet they are easily over-watered and will not make a good growth if continually kept soaked, frequent and light waterings are the best. A lightly shaded frame with the pots plunged in the soil and the sash lifted at top and bottom for a free circulation of air is the best location for summer culture.

Pansies.

The sale of pansy plants will soon be at its height and there is nothing that the florist or grower sells upon which more time is wasted than in selecting a small order of pansies if the customer is shown a frame of a few thousand plants. The better way is to have boxes or baskets holding a dozen plants all made up for the customer. It is not necessary to put up more than will be required for one or two days' sale, but as fast as sold keep the stock replenished. There are many patrons who will be well satisfied with a good selection already placed in a basket who will take an hour of a salesman's time in making their choice out of a frame. Any late seedlings should be planted in the frames at once, and these will make fine plants for late May or June planting when the older plants are either sold or have become too large for bedding purposes.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Mothers' Day.

Mothers' day occurs the second Sunday in May—May 12—this year, that day having been chosen by Miss Anna Jarvis of Philadelphia, founder of the day, as that on which all should honor the memory of their mother, it being the anniversary of the day upon which her mother passed away. In the issue of THE AMERICAN FLORIST of last week April 27, page 810, appeared an article giving a history of the day and stating the manner in which it should be observed. The governors of thirty states and the mayors of many cities, issued proclamations last year requesting the citizens to observe the day and in the public press throughout the country appeared many articles giving publicity



Mrs. Jarvis,
Mother of Mothers' Day.
Photo Copyrighted by Anna Jarvis.

to the inception, the objects and the manner of observing the day, that is the wearing of a white carnation in honor of one's mother. Churches made the day the subject of the service and sermons were delivered upon the theme of mother and Mothers' day, one clergyman using these words, "Best of all, if you wear the white flower, someone will ask you the reason why, and your answer will make them do likewise, and God only knows the good that your suggestion and example will do that one's soul."

The observance of the day can be greatly assisted by the florists of the country, not only by attracting the attention of the public by neatly printed showcards in the window or the store, but by giving to the papers such knowledge and matter as is at their command, and they are only too glad to publish the same, and by inserting appropriate advertisements inform the public as to the day and the manner in which it is observed. Last year many florists gave to their local papers the articles which appeared in THE AMERICAN FLORIST and extracts were made from them by the editors, and these with attractive advertisements are reported to have created a

great demand for carnations and other flowers.

Mothers' day is founded upon sentiment and it comes at a date when flowers are very plentiful, still the demand was so large in many places that white carnations were entirely sold out the day before. There is danger, however, in advancing the price to any point which the public would regard as an extortion. They are willing to pay a fair advance, but will not allow sentiment to be the cause of their being held up. To obviate this, many dealers anticipating that the supply of white carnations would not be sufficient, advocated the white carnation for the departed mother and colored for the living. The Iowa Seed Co. and other florists of Des Moines, Ia., inserted in their advertisements "A white flower for mother's memory, a bright flower for mothers living," and this resulted in relieving the demand which would otherwise have been created for white alone. The Brown Floral Co. of Canton, O., not only through publicity by giving to the daily press of the city the account of Mothers' day which appeared in THE AMERICAN FLORIST and which they published and by appropriate advertising informed the public, but Charles Brown, the proprietor, in memory of his mother, donated 3,000 carnations, the cut of one day, to the churches and to the hospitals, workhouse and county jail that the unfortunates there confined might honor "the best mother in the world, their mother." The result of thus attracting the attention of the people was a general observance of Mothers' day in the whole city.

The founding of Mothers' day was to Miss Jarvis a work of love, but it has not only entailed a vast amount of work in keeping up the correspondence required, but also quite an expense. Each year this has been larger and it has now become quite a burden. At the April meeting of the Florists' Club of Philadelphia, the matter of assisting Miss Jarvis pecuniarily or otherwise was discussed, for her labors have resulted in great assistance to the florists. She has this year had printed display cards for florists' and other windows and these can be obtained by addressing her at 2031 North Twelfth street, Philadelphia Pa., by those who have no advertising card of their own. And the work which she has performed is well worth recognition by those who have profited by her labor of love and sentiment.

Wedding Flowers at Washington, D C.

One of the most noticeable wedding decorations of the Washington season was executed by Z. D. Blackstone on April 24 for the wedding of Miss Louise Chapin Fletcher, daughter of Senator and Mrs. Duncan Upshaw Fletcher of Florida, to Dr. Thomas J. Kemp. The marriage took place at All Souls' Unitarian church, which President Taft attends.

The decorations in the church were rich in American Beauty roses and the finest of spring blossoms. After the wedding a brilliant reception was held in the banquet room of Rancher, the leading caterer of the city where the decorations were equally elaborate. The illustrations show part of the bouquets, there being ten bridesmaids.

A. F. F.



WEDDING BOUQUETS ARRANGED BY Z. D. BLACKISTONE, WASHINGTON, D. C.

Brides' Bouquet of Orchids and Lily of the Valley in the Center.

French Floral Industry.

RECENT DEVELOPMENTS.

Chiefly agricultural, the Department of the Var is more largely interested in open-air flower and bulb culture than any other region in France, writes Consular Agent Francis Miltoun Mansfield, Toulon. According to the statistics of the departmental professor of agriculture the bulk of the area given over to horticulture is that devoted to flowering bulbs, grown for the bulbs (of which there were exported to the United States in 1911 nearly \$200,000 worth) and for their blooms, which, during the winter season, are shipped to the wholesale flower markets of Paris, London, and Berlin by special train leaving the coast towns each night.

LARGE AREA IN FLOWERS.

The most extensive area noted in 1911 was that devoted to the narcissus, 3,552.54 acres, followed by hyacinths, 717.75 acres, and *Lilium candidum*, 395.36 acres. This total, which does not take count of the freesia, gladiolus, ranunculus, or the violet, had approximately the same acreage as in 1910, with a certain gain in area of *Lilium candidum* and about the same loss on hyacinths.

There are, in addition, 1,465.3 acres devoted to violets and 212.5 acres to mimosa. Approximately 100 acres are given to growing perfume plants—

jasmine, roses, tuberose, mint, etc. This latter returns a crop valued at \$20,000 annually, a small total as compared with the extent of the crop of similar plants farther east on the coast in the neighborhood of Cannes and Grasse. The industry is developing, however, and with the recent establishment of a perfume distillery at Hyeres a considerable increase in the crop volume of perfume plants is looked for within the next two years.

The average return per hectare (2.47 acres) is 1,000 to 1,200 francs (\$78 to \$93 an acre), which, considering that this comes largely from cut flowers, seems a low return according to American standards.

Immortelles, or "everlastings," cover an area of 531.25 acres and produce a crop valued at \$38,600, of which nearly 75 per cent is exported to the United States. Including all the horticultural products of the Department of the Var (of which immortelles and flowering bulbs only are exported to the United States), there has been a steady annual increase, averaging 20 per cent.

In general, the bulb crop of narcissus, hyacinth, and *Lilium candidum* was large in 1911, particularly of the finer varieties. Prices at the beginning of the shipping season (July 1) were high. As the season approached its end, desirable stock was seeking

buyers at reduced prices, and it is claimed that there was some "dumping." If this occurred, it did not appear from the consular invoices on file at this office. It is quite possible, however, that a certain part of this overstock was shipped to Holland and may even have found its way thence to the United States later in the season as Holland-grown bulbs. It is thought by many that for the 1912 season there will be somewhat of a curtailment in quantity of bulbs grown, or at least offered, with the idea that this will sustain market prices, which in a very large degree are speculative, because the grower is seldom a shipper.

SYNDICATION—ROSE SHORTAGE.

At Ollioules and Hyeres many of the small growers reach the market through their "syndicate," but with the competitive *Narcissus grandiflora* offered at \$3.50 per 1,000 by outsiders the generally agreed upon syndicate rate of \$3.85 was this season often broken. The Roman hyacinth, which in some instances reached the desired \$20 or more per 1,000, later fell to \$15.50 and even less. The marketing of the bulb crop through the growers' unions or syndicates undoubtedly sustains and even raises prices. In a dozen years this has caused an advance in Roman hyacinths from \$5.40 to \$15.50 and more, and in *Narcissus grandiflora* from \$2.30 to \$3.85.

These shipping syndicates are an advantage to the buyer in offering a certain implied guaranty as to the quality of the stock shipped, so that claims are seldom made against them for rotted or damaged bulbs. A few years ago unscrupulous individuals made such shipments, their inducements being prices very much below the market quotation. This class of middlemen has practically disappeared, at least so far as they are able to extend relations in the United States.

A horticultural journal recently referred to a bulb-sorting machine lately adopted in Holland, doubtless a machine similar to the average potato sorter. The subject was mentioned by the writer to various bulb growers and shippers hereabouts, who ridiculed the idea, denying the possibility of any method of mechanical sorting without injuring the stock. There is certainly no disposition on the part of growers here to make use of anything but the inexpensive hand labor of men, women and girls for all operations of growing and shipping flowering bulbs.

Roses and carnations are not so largely grown in the immediate neighborhood of Toulon as in the vicinity of Antibes, but their culture shows a steady annual increase. This is natural, as the demand of the Paris dealers for cut roses during the winter months is in excess of the supply. Large quantities are imported into France from the Italian Riviera coast towns, and because of an embargo laid upon their importation on January 10, 1912, attention has been called to the possibility of further developing rose culture in this vicinity.

With modern methods of packing, chiefly in reed or cane flat baskets, to hold three and five kilos (shipped by hundreds of thousands from the Mediterranean coast towns by parcel post during the winter months), hyacinths, narcissus, carnations, violets, roses, tuberoses, ranunculus and mimosa are now successfully shipped to London, Berlin, and St. Petersburg, as well as to Paris.

PARCEL POST HELPS INDUSTRY.

The parcel-post service handling this special traffic is exceptionally well organized, expeditious and cheap. It is this that may be said to have given the real impetus to the cut-flower industry of the French Riviera. Developing upon the same idea the system has recently been widened in scope, so that 12,355 acres are now devoted to early truck-garden vegetables (tomatoes, eggplant, artichokes, carrots, leeks, cauliflowers, peas, beans, etc.), in the Department of the Var. These vegetables can now be sent on express-speed trains in parcels weighing 20 to 40 kilos (44.09 to 88.18 pounds), at 30 cents to \$1.45, delivered at the address of the consignee. This may prove one solution for the high cost of living by supplying early fresh vegetables economically. While this new service was established for agricultural products, its scope allows meat, game, fish, and eggs to be sent under the same classification.

The floricultural industry, especially in the cut-flower branch, is continually undergoing changes and development, with a general increase in volume. As to the methods of marketing both horticultural and purely agricultural products in these parts, there is a notable tendency toward syndication among farmers and growers as well as among

middlemen and shippers. The flower and bulb growing and shipping syndicates have accomplished much toward beneficial legislation affecting their interests, as well as establishing and verifying credits and customs in the trade.

NEW DISTRICT.

A region newly opened to flower culture on an extensive scale is that lying along the coast between Toulon and St. Tropez, following closely the Mediterranean shore and the narrow-gauge railway line of the Chemin de Fer du Sud. From rather slow and timid beginnings the district is at last taking its place among the flower-growing centers of southern France. The importance of the district may be gathered from the number of parcel-post shipments of cut flowers from various



Floral Work at University of Illinois.

Spray of Carnations for Door.

points along the coast during the winter season of 1910-1911, which aggregated 133,227 to French cities and 44,258 to foreign countries. The total weight of these separate parcels amounted to 2,421,066 pounds.

With every climatic condition favoring the early open-air growth of roses, carnations, violets, and hyacinths, this little-known strip of Mediterranean shore promises expansion in this industry and may become a new source of direct supply for Paper White and Grandiflora narcissus and the Roman hyacinth. The latter are now the specialties of what may be called the Toulon district, which in area comprises the Mediterranean coast region lying between St. Cyr, Bandol, and Ollioules

on the west and Ste. Maxime on the east, with the inclusion of another narrow strip lying in the valley of the Gapeau and the Real-Marin cutting into the foothills of the mountain background.

IRRIGATION—SMALL GROWERS.

Irrigation is often employed and while primarily cultivation is in the open, plants are often protected on chilly nights by coverings of straw or reed matting. Cultivation is seldom practiced under glass frames or in the more elaborate greenhouses such as are used in America. Many of the plantations are on the most modest scale, the grower turning his crop over to the commission agent for an almost immediate cash return. This applies to early vegetable, bulb, and cut-flower growing alike.

Floral Work at the University of Illinois.

During the past half semester four students in floriculture have been taking the course in floral decoration. The object of this course is to give the students a knowledge of decorative materials and their uses. The lectures of the course covered such subjects as decorative materials, accessory materials, studies in arrangements and such other points as are of interest to the decorator. The laboratory work consisted in the preparation of designs, sprays, baskets and other floral arrangements. The course was completed on April 4. Early in February the class made a trip to Lafayette, Ind., to study the details of the new work shop of the F. Dorner & Sons Co.

Before the close of the course it was decided that an exhibition of decorative work should be held on April 20 in the auditorium of the university. Miss Emily Dorner of Lafayette, Ind., took part in the exhibition and assisted the students in the preparation of the various floral arrangements. About twelve hundred university and town people attended the exhibition. Each visitor was presented with a flower as a souvenir. The various exhibits were numbered and catalogued as are the paintings at an art exhibition. The catalogue was neatly printed in the form of a programme and gave a description of the flowers used in each of the thirty pieces exhibited.

Temperature for Bedding Plants and Ferns

ED. AMERICAN FLORIST:—

Will you kindly inform me at what temperature the house should be maintained in which are grown vincas, geraniums and other bedding stock and ferns. E. M.

There are several species of ferns and they do not all require the same treatment, and "E. M." does not state what ferns he desires to grow, but they all require a house with a night temperature of at least 60° and some warmer than this. This is a little too warm for geraniums and vincas, but they can be grown in this temperature if carefully attended to and hardened off in a cold frame before planting out, for grown in so high a temperature they will be very soft. Coleus and the bedding stock requiring more heat would grow in this temperature. It would be best to have the ferns at the warmer end of the house where they can be shaded, and the cool bedding stock at the cooler end and they will require all the sun they can get.

W.

FLORISTS' FERNS.

Nephrolepis and Other Ferns

The various forms of nephrolepis still take a most prominent place among the florist's ferns, and these useful plants find a ready sale in spring for many purposes, and at that season are sometimes found in short supply. For outdoor use, for example, for porch boxes, or for porch specimens, it is doubtful if any nephrolepis has more good points than the original Boston fern. Its vigorous growth and graceful outline being well adapted to such uses.

But where a more compact plant is needed there are *N. Scottii* and *N. Scholzellii* to choose from, and these may also be used for outdoor work during the summer if needed, one purpose to which they are well adapted being in the form of an edging for a bed of foliage plants. It is better that these ferns should be used in a partly shaded position if possible, but it is also surprising how much sunshine they will stand, provided that they are given an abundance of water. When fully exposed to the sun these ferns naturally make a shorter growth than they do in the shade, and plants that are to be used in such a manner should be prepared for it by having an abundance of sun and air while they are in the greenhouse.

The young stock of the nephrolepis will also need attention at this season, the stock plants that are planted out on benches throwing out runners freely as the days grow longer, and as fast as the runners make roots and crowns they may be taken off and potted up, giving the young plants some shade until they become established, but afterward an abundance of light to induce a short and stocky growth. Later on these young plants may be potted two or three together in 5-inch pots, in order to make bushy stock quickly, and with proper care will soon make salable stock. When pot-bound, the nephrolepis enjoy rich feeding, liquid manure being the safest fertilizer to use, but at this season the only plants that are likely to need such treatment are those that have not been repotted since last autumn, and a little extra fertilizer will help much in keeping such plants in color.

Adiantum Farleyense usually begins to grow in April, and it is therefore a good time to divide the plants that are needed for stock, bearing in mind that the divisions of the crowns of this fern must have shade and bottom heat to start them into growth. A mixture of sand and sphagnum moss makes a good medium in which to plant the divided crowns of *A. Farleyense*, and a good method is to plant them in rows like cuttings in about three inches of sand mixture in the propagating house, keeping the crowns about level with the surface of the sand, and being careful at all times to keep them moist. At about the same time these divisions form a new frond or two, they will be found to have some fresh roots, and may then be potted off into small pots, placed in a warm and shaded house and watered carefully, for at this stage of their growth they will not stand indiscriminate watering with a hose.

When the young plants have made a few fronds and are fairly rooted, they will be in condition for a shift to 3-inch pots, and from this time forward some provision should be made for drainage in the pots, a piece of crock with a little sphagnum over it answering well for this purpose in the small-sized pots. Well-rotted sod, to which has been added one-fourth in

shifting on as they need it, such plants will reach a fair size for autumn sales. This fern is a free rooter, and after the plants are established they will use a considerable quantity of water and enjoy an abundance of fresh air both day and night throughout the warm season. *Cibotium* requires space for its proper development, and as the foliage grows longer it becomes nec-



FLORAL WORK AT UNIVERSITY OF ILLINOIS.

Basket of Narcissus.

bulk of dry cow manure forms a good compost for *Adiantum Farleyense*, and it is always best to have the soil rather on the dry side at the time of potting, and not to permit it to become sodden before the plants have a chance to root into it, for these plants are very impatient of sodden soil. A little extra care during the early stages of growth may make the difference between a crop of good *A. Farleyense* and a crop of failures, so it is worth the trouble, for a well-grown specimen of this fern is one of the most beautiful ornaments for a greenhouse, but a poor specimen is hardly worth house room.

Cibotium Schiedei continues to find many friends in the trade, and quite deservedly so, this being one of the most satisfactory ferns for house culture or window decoration, provided that it be given an abundance of water. The spring season is the proper time to secure young stock of this fern for growing on, good plants from 3-inch pots being a satisfactory size to begin with at this early date, and by

essary to raise the plants up on inverted pots or other pedestals, otherwise the tips of the fronds will suffer.

At the close of another season for table ferneries (for this trade usually falls off to a great extent after Easter), it is well to look over the list of varieties used during the season and thus to find out what is best adapted for the trade, the aspidiums and pteris providing the sorts that are most in demand generally, while a fair percentage of *Cyrtomium falcatum*, and a few adiantums are still required to supply the demands of customers who know what they want and insist upon having it. Then place your order for young stock with some reliable specialist, and make sure of having good stock from the early deliveries of the slow-growing species.

W. H. TAPLIN.

PHILADELPHIA, PA.—Maurice Fuld of the Henry F. Michell Co. addressed the members of the Germantown Horticultural Society April 5 on "Herbaceous Plants."

THE CARNATION.

Planting Out the Young Stock.

Wherever the condition of the land is such that it can be properly worked, arrangements can be made for getting it in shape for planting out the young stock, but it should be dry enough to work up finely, if not, a few more days drying out is far better than working it while in a wet condition, because it requires a great deal more labor to prepare the land while wet and it cannot be got into as satisfactory condition for the plants. The ground should be fine and mellow so that after planting the hand cultivator can be easily worked from the start, thus insuring a good pulverized mulch of fine soil to protect the roots of the plants. I am not in favor of any manuring of the land at this time, particularly if the soil is inclined to be rich, my reason for this is that we have found that whenever the manuring has been done at planting time the plants have not been as satisfactory, and instead of making a sturdy, stocky growth, have inclined toward a long-jointed, soft growth, so that any manuring of our carnation ground that we think is needed is done in the fall. If the ground was turned over last fall it is not necessary to do any deep plowing at this time, all that is required is to give it a shallow turn over and make the surface of the field as even and as level as possible. There is nothing quite so bad for the plants as to have them stand under water for a day or two at a time after a heavy thunder shower, owing to the water remaining in places that were left uneven when preparing the land. Everything should be ready at hand for planting directly the land is prepared, it being much easier to do the work then than it will be a few days after, particularly if a rain comes.

The preparation of the young plants inside, before taking them out, is very important, the first thing is to thoroughly harden them off by keeping the temperature as cool as possible and giving plenty of ventilation on every favorable occasion. It is also a good plan to treat the plants to a thorough fumigating on a cool, favorable evening, or kill any thrip or red spider that may be hanging around. Another very important point is to be sure the topping of the young plants is followed up close a few days before planting out, they will not then need anything more along this line for a week or two after being planted in the field. The planting out of the young stock coming at this time when every grower is very busy with the spring rush, makes it necessary to get the job out of the way as quickly as possible, therefore, put the whole force at the work to complete it quickly. The plants should be knocked out of the pots in the greenhouse and set in shallow flats ready for the planters, getting enough ready ahead to keep them busy, and if the plants are growing in the bench or flats they should be taken up and set in flats the same way. Do not allow the plants to be set out before being watered, if they are dry at the roots. The question of the arrangement of the planting ground must be governed according to the conditions each grower has to contend with—we plant our

plants about 16 inches apart between the rows and about 12 inches apart in the rows. C. W. JOHNSON.

W. E. Wallace's Carnation Prizes.

The remarkable success of W. E. Wallace at the show of the Perpetual Carnation Society held in the Botanic Garden, London, England, will be of particular interest to the many friends who met him on his visit to this country last year and to whom he wrote the letter of appreciation for the courtesies extended which appeared in THE AMERICAN FLORIST, issue of May 13, 1911, page 828. According to the report in the press, the group which won the society's gold medal for the best group in the show was in the



W. N. Rudd.

President-Elect Horticultural Society of Chicago.

opinion of the judges the finest ever exhibited in England at the season. Mr. Wallace's other awards were: the American Carnation Society's challenge cup for American novelties; the Covent Garden challenge cup for two boxes and two vases of 60 blooms, each of two varieties, packed for market; the Felton cup for best decorative vase of 36 blooms; the society's silver gilt medal for the best vase in the show; first prize for the best vase of a new variety not in commerce, and nine first and two second prizes. He thus took nearly all the leading prizes in the open classes. At the dinner after the show Mr. Wallace was described by one of the judges who had spent some time in America, as the best carnation grower in the world. He was unanimously appointed vice-chairman of the society.

Carnation Flower.

ED. AMERICAN FLORIST:—

We forward a bloom of a carnation that appeared in a bench of Enchantress. It is very large, full, strong stem and calyx and very fragrant. The growth is strong, shorter jointed than Enchantress, with darker foliage. Can you tell us what variety it is?

E. W.

The flower was very sleepy upon ar-

rival so that it was a difficult matter to form any opinion of it. It does not belong to the Enchantress family, not being full enough in the center, and I do not know any variety now in commerce that resembles it. The fragrance was very strong but in other respects the variety does not appear to be of any great merit.

C. W. JOHNSON.

Watering Carnations.

ED. AMERICAN FLORIST:—

Will you kindly inform me whether it is better during spring to water carnations in the morning or in the evening? Should the plants be sprayed at noon or shortly after that hour?

J. A.

The time to water and syringe the carnation plants is before noon if the work can be finished up by that time, but sometimes it happens one cannot get through by that hour and it will take until about two o'clock to finish up. This is all right, but we do not advise watering or spraying later in the day than this because the plants do not have time to dry out enough before night.

C. W. JOHNSON.

Horticultural Society of Chicago.

An adjourned session of the annual meeting of the Horticultural Society of Chicago was held at the City Club, April 30, Vice-President Rudd in the chair. The usual reports were submitted and plans discussed for coming exhibitions. The report of the premium list committee showed that considerable progress has been made with the schedule for the second spring show, to be held next year, the date of which was fixed for March 31 to April 5, inclusive. This will be the society's second venture in the way of spring shows and all indications point to great improvement over the similar event held at the Art Institute March last. In addition, the executive committee was instructed to arrange for a fall and other minor exhibitions through the present year where this course is considered expedient. These minor exhibitions will include a peony show, which will be held probably at the Art Institute in June, the date to be fixed so that these flowers will be exhibited at their best. J. B. Deamud, 160 North Wabash avenue, was appointed manager of the peony exhibition and will announce arrangements later. A committee consisting of N. H. Carpenter and R. J. Haight was appointed to co-operate with the Chicago Florists' Club in the entertainment of the Society of American Florists during its annual convention, to be held at the Coliseum, this city, August 20-23.

The annual election of officers resulted as follows: W. N. Rudd, president; J. C. Vaughan, first vice-president; Ernst Wienhoeber, second vice-president; J. B. Deamud, third vice-president; N. H. Carpenter, treasurer; C. W. Dusner, secretary; executive committee (for one year) George Asmus, August Poehmann, Carl Cropp and Thomas Wallace; (for two years) E. A. Kanst, M. Barker, R. J. Haight and J. C. Vaughan; directors, C. L. Hutchinson, James Keeley, N. W. Harris, Edward Ahlswede, E. G. Uihlein, F. W. Bryan, Frank K. Reilly, George E. Rickcords, Henry Bartholomay and Benjamin J. Rosenthal.

BOSTON, MASS.—N. F. McCarthy & Co. have leased the store and basement at 31 Otis street and 112 Arch street for a long term of years and after the necessary alterations will remove from the location at 84 Hawley street which they have so long occupied.

Spring in the South.

It is wonderful how Dame Nature can busy herself and work overtime in order to catch up in a late spring. When a case of influenza confined me to my room and bed the first week in March there was not a sign of spring except the live oaks and bird cherries showed their swelling buds. What a surprise, what a delight when I got out again into the garden, field and forest a month later. Everything green and growing and blooming. I just brought home a beautiful bunch of yellow ground orchids, a species of *sarracenia* which now abounds in our woods, preferring boggy spots. From a single clump I picked twenty-three large open flowers. The dwarf perennial wild phlox is lovely with its pink and lavender flowers. I shall give this a trial in the garden as it would make a very effective border plant, its height being only about eight inches. I discovered a wild bignonia loaded down with masses of dark, scarlet trumpets, inside light red, fading to a clear yellow at the end of the five lobed flower. The vivid color effect attracted my attention from the distance, the space covered by this single plant was several hundred square feet. I took some cuttings of it and shall speak of it after a test in the nursery. The dogwood, *Cornus florida* and the wild azalea are in full bloom, what an effect together with the pink blossoms of the crabapple. The ferns made a wonderful growth. I found *osmunda* three feet high showing well developed spore fronds. The yellow jasmine, *gelsemium* is just now at its best in our woods. It grows best in moist, swampy places and where a fine clump is surrounded by a patch of purple iris the color effect is grand.

But now back to the garden. The daffodils are gone, a few stragglers of *Victoria* and *Emperor* peeping out from the tall foliage. Mrs. Langtry is the only one holding out so late and though small is a very graceful and useful flower. The first sweet peas are opening their buds. This is very late for New Orleans, where we generally have them in bloom the whole winter, but such a winter as we had will not be forgotten for many years. Here is a surprise and a very pleasant one—the first *pæonies* in full bloom—not alone the first *pæonies* of the season but the first ever grown in New Orleans to any perfection. It is the result of a trial of a number of varieties and of course the reward is very gratifying. Strawberries, ripe and juicy, what a pleasure to pick and eat these luscious berries in the field! The dahlias are just peeping out of the ground, *gladiolus* of the first planting are showing the bud and our Creole Easter lily opens its first flowers in the warm spring sun. Climbing roses are in full bloom, especially a combination of *Marechal Niel* and *Marie Henrietta* shows to good advantage. From the porches and *Magnolia grandiflora* trees the *wistaria* hangs in glorious lavender masses. Spring is here for good, a little late, but thank God, it comes to us with its charms once a year, a memento of resurrection.

C. W. EICHLING.

ROCHESTER, N. Y.—The home circle of the ladies of the Rochester Florists' Association have elected the following officers: Mrs. William Keller, president; Mrs. Fred Vick, Mrs. Edward Wilson, Mrs. Charles Suhr, vice-presidents; Mrs. John Dunbar, secretary; Mrs. E. R. Fry, treasurer.

OBITUARY.

Fred. Ehret.

The friends of Fred Ehret of Philadelphia, Pa., were pained to hear of his sudden death April 26, after an operation at the German hospital. He had been ailing for some time, but had been able to attend to business until a week ago. The doctors were mistaken in their diagnosis, finding during the operation that his case was more serious than they supposed, and he had not the strength to rally from the shock. Fred Ehret was born in Niederschopfheim, Baden, Germany, forty-eight years ago. He came to this country when seventeen years of age and worked at the business first in Union Hill, Hoboken. Coming to



The Late Fred Ehret.

Philadelphia, he worked for John Horbert and also conducted greenhouses in Atlantic City for a time. Returning to Philadelphia, he sold plants on the street at Broad street and Fairmount avenue, finally renting his present store and establishing a wholesale cut flower business. Later he added retailing, which branch of the business grew so that he added another store around the corner on Broad street, which connected with his Fairmount avenue store in the rear. The retail business grew rapidly, so much so that the wholesale department was discontinued, and his whole attention given to retailing.

Mr. Ehret was an enterprising business man and popular with the trade. He was a member of the Florists' Club and always active in the management of its affairs. In his business he had a valued assistant in his wife, who was a practical store manager, and much of the work passed through her hands. It is understood that she will continue the business. He was a member of a number of German and other organizations.

At a special meeting of the Florists' Club of Philadelphia, on April 26, called to take action on the death of Fred Ehret, the following resolutions were submitted and passed:

Resolved: That in the death of Mr. Ehret the club has lost one of its most esteemed members, one who was at all times a most loyal supporter of the club and all its policies.

Resolved: That it be put on record our high sense of appreciation of the sterling character of our fellow member. He was one of the finest men, in every phase of life—in business and socially—and was held in the highest esteem.

Resolved: That the club hereby express its feelings of sorrow and esteem, and orders that these resolutions be spread on the minutes of the club and a copy of same be sent to the family of the deceased.

GEORGE C. WATSON,
CHARLES F. KRUEGER,
DAVID RUST,

Committee.

His funeral on Monday, April 29, was very largely attended by the trade, and the display of flowers from his friends and societies completely filled the room. His wife and one daughter survive him. K.

Harry J. Hunter.

Harry J. Hunter, city forester of Detroit, Mich., died at his home, 364 McGraw avenue, April 17, of pneumonia, after an illness lasting ten days, aged 64 years. He had been city forester for thirteen years and through his efforts Detroit's streets and parks have become known throughout the country and he founded the nursery at Palmer park. Prior to becoming city forester, he was connected with D. M. Ferry & Co. and earlier with large nursery concerns in Rochester, N. Y., and St. Louis, Mo. He was a member of the Detroit Florists' Club and is survived by a widow, son and daughter. J. F. S.

PORTLAND, ORE.—The Easter trade for 1912 was larger by about 15 per cent than last year, states Clarke Bros. The supply was very large being almost inexhaustible, and prices were in consequence not quite as good. Lilies and rambler roses were the best selling plants, and in cut flowers roses, violets, lily of the valley and sweet peas were those which seemed to be most sought. Owing to the late Easter date bulbous stock moved slowly.

BUFFALO, N. Y.—The Easter trade this year was about 10 per cent larger than that of last. Prices were about the same and with the exception of lilies there was an adequate supply of plants and cut flowers. All flowering and foliage plants sold well and in consequence of the great sale for them the general demand for cut flowers decreased. Original and artistic arrangements of corsages, and birch bark baskets, provided with pans in which were roses, lily of the valley and spring flowers, for table use and as presents, were featured in the place of boxes of roses and carnations.—Bison.

GRAND RAPIDS, MICH.—The Easter business was approximately the same as last year, reports the Crabb & Hunter Floral Co. There was a large stock of plants with some to spare and a good supply of cut flowers, but the demand was large. Prices were a little better and the plants and cut flowers of best quality were held at good figures and sold readily. Lilies and azaleas were the leading plants, with *marguerites* the least popular. Roses and carnations were the cut flowers most in demand; tulips sold fairly well but were the least called for. Lilacs, *Azalea mollis* and *rhododendrons* were in fair supply and were very popular. The weather was mild enough to deliver plants without the necessity of wrapping them. Crabb & Hunter Floral Co. opened their new store at 114 E. Fulton street the Friday before Easter and at that late date of opening did more than a satisfactory business and had a new delivery wagon. Henry Smith and Eli Cross both had new auto deliveries.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 191

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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The new monthly magazine "Flowers" is no more, having expired with the April issue, the fourth number.

CAPE JASMINE CROP.—The Cape Jasmine crop will be rather short this season and on account of the late spring the blossoms will not open before May 15 to 20.

THE annual meeting of the New England Cemetery Association will be held in June at the Massachusetts Agricultural College, Amherst. The officers of the organization are: H. Wilson Ross, Newton, president; Edgar King, Springfield, vice-president; H. A. Derry, Everett, secretary and treasurer.

IMMORTElLES.—French reports on the immortelle crop indicate that last year's plants have been damaged by frost which may seriously affect their flowering. It is thought, however, that the crop on the whole will be better than last year's unless the severe weather which injured the plants in April, 1911, should again occur. Prices, it is thought should be twenty per cent lower than last year.

National Council of Horticulture.

The first installment of articles for 1912 issued by the National Council of Horticulture, contains the following: "High Living at Low Cost," "Points About Sowing Seed," and "Vegetables for City Back-yards." These timely and practical articles are issued to nurserymen, seedsmen, florists, and the editors of local papers, and can be obtained upon application to the secretary, James H. Burdett, 1620 West 104th Place, Chicago.

Chrysanthemum Society of America.

The following additional special premiums have been donated to the Chrysanthemum Society of America to be offered at the annual exhibition at American Institute, New York, November, 6-8, 1912.

Harry E. Converse, The Moorings, Marion Mass., offers a \$25 cup for the best six blooms of Chrysanthemum Harry E. Converse.

William Kleinheinz, Ogontz, Pa., for best five blooms of Chrysanthemum William Kleinheinz, first prize, \$5.00, second prize \$3.00.

The following firms have also contributed to the special prize list: The Foley Manufacturing Co., Chicago; Henry A. Dreer, Philadelphia, Pa; Lord & Burnham Co., Irvington-on-Hudson, N. Y.; Hitchings & Co., New York.

CHAS. W. JOHNSON, Sec'y.

Mothers' Day.

It was with great pleasure that we received from our subscribers numerous accounts of the Mothers' day trade last year, and the complimentary evidence of the aid which they had derived from articles in THE AMERICAN FLORIST. Charles Brown, of the Brown Floral Co., Canton, O., forwarded us clippings from the daily paper containing the articles which appeared in our issue of May 6, 1911, page 768, and we received many other clippings containing extracts from the same issue. THE AMERICAN FLORIST was the first to report the observance of the day, in its issue of May 16, 1908, page 840, and to see the great possibilities of Mothers' day to the florists when Miss Jarvis first presented the idea to the people, immediately advising its readers to do their utmost to inform the public of the day and the manner of its observance and it is exceedingly pleasant to receive their testimonials of gratitude.

Society of American Florists.

President Richard Vincent, Jr., has appointed Charles J. Graham, Cleveland, Ohio, chairman of the committee on sports.

DEPARTMENT OF PLANT REGISTRATION.

Public notice is hereby given that J. F. Anderson, Short Hills, N. J., offers for registration the following fern. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

Pteris Cretica Andersonii—This fern has the variegated character observed in Pteris cretica albo-lineata, but of more distinct variegation, the broad belt of white down the center of each

leaflet occupies one-half of the breadth. The plant, however, is taller, of more compact habit and larger dimensions, the fertile fronds often reaching the height of two feet. All the leaflets either barren or fertile are undulated, terminating in crests of large dimensions, the crests heavier and larger, but most resembling the cristation form of Pteris cretica Wilsonii.

April 27, 1912. JOHN YOUNG, Sec'y.

Cardeners' Examinations.

The article by W. N. Rudd which appeared in THE AMERICAN FLORIST, issue of March 9, is interesting to a gardener of the old school. In London 50 years ago very few of the young gardeners who intended to follow the trade would have failed to answer correctly 90 per cent of the questions, barring those dealing with modern construction, etc. This does not indicate that there has been no progress, but that we live in an age of specialties. Those young men if placed in a modern rose house would not equal the modern cut flower grower. The gardeners of the old school were all around men, good plant growers and familiar with general gardening, bedding out, etc., and were usually good botanists. Life was not as strenuous and quick potting not required so much as to do it well, though some of Peter Henderson's men of the seventies were equal to the modern experts. Orchid growing has made a great advance but there were some fine collections in the old time. At a private place we had a collector in South America. I remember Veitch of Chelsea selling a plant for \$400, and seeing him showing to admiring ladies the first Lillium auratum ever grown in Europe. R. GRAHAM FERGUSSON. Osawatomie, Kans.

Heating Problem.

ED. AMERICAN FLORIST:—

We have a range of houses 22x200 feet, with lean-to at the north, in which are mains, both flow and returns. We contemplate removing lean-to and adding 75 feet. Would this make too long a range to heat with hot water successfully? The results at present are very satisfactory. We now have two boilers, one rated to heat 1,500 feet of 4-inch pipe and the other 3,000 feet, and our experience is that we get better results from the smaller boiler than the larger one. With the alterations completed we shall have about 35,000 feet of glass. Would it not be better to have four small boilers, connected in pairs so that one of each pair could be used in mild weather than to have larger boilers? G. J. B.

British Columbia.

Whether the houses will be too long to heat with hot water will depend upon the number and size of the flow and return pipes as well as upon their elevation above the boilers. There should be no difficulty about heating coils 275 feet long, but whether it can be done with the present arrangement of the pipes cannot be determined from the data given.

For a plant of the size mentioned it is always well to have at least two boilers, and if the small one gives better results than the large one it might be best to put in two more of that size, but ordinarily it would be better to put in one more boiler sufficiently large, with the two now in use, to heat the range in the coldest weather. Two of the boilers should be able to handle the houses in ordinary weather and one of the larger boilers in mild weather.

L. R. T.

Meetings Next Week.

Buffalo, N. Y., May 7, 8 p. m.—Buffalo Florists' Club, 385 Ellcott street.
 Butte, Mont., May 10.—Montana Florists' Club, Columbia Gardens.
 Chicago, May 8.—Gardeners' and Florists' Union No. 19015, 230 North Clark street.
 Denver, Colo., May 6.—Colorado Florists' Club, E. M. A. hall, 122 Curtis street.
 Detroit, Mich., May 6, 8 p. m.—Detroit Florists' Club, 112 Farmer street.
 Fall River, Mass., May 7, 8 p. m.—Fall River Florists' and Gardeners' Association.
 Grand Rapids, Mich., May 6.—Grand Rapids Florists' and Gardeners' Club, office of member.
 Hartford, Conn., May 10, 8 p. m.—Connecticut Horticultural Society, County building.
 Indianapolis, Ind., May 7, 7:30 p. m.—State Florists' Association of Indiana, State House.
 Los Angeles, Calif., May 7.—Los Angeles County Horticultural Society.
 Madison, N. J., May 8, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.
 Minneapolis, Minn., May 7.—Minneapolis Florists' Club, 115 North Sixth street.
 Montreal, Que., May 6, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guards building, 224 Sherbrook street, west.
 New York, May 8, 4:30 p. m.—Horticultural Society of New York, Botanical Garden.
 Omaha, Neb., May 9, 8 p. m.—Omaha Florists' Club, City hall.
 Philadelphia, Pa., May 7, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street, above Spruce.
 Pittsburg, Pa., May 7, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.
 Salt Lake City, Utah, May 7.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
 Seattle, Wash., May 7.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
 St. Louis, May 9, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.
 Toledo, O., May 8.—Toledo Florists' Club.
 Washington, D. C., May 7, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.****For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By European gardener in private place; grower of flowers, vegetables and fruits. Key 619, care American Florist.

Situation Wanted—Greenhouse man experienced in potting plants position; age 28 years. Address Key 620, care American Florist.

Situation Wanted—An experienced gardener is desirous of securing a situation in a private place in or near Chicago. For further particulars Address Key 591, care American Florist.

Situation Wanted—In or near Chicago: an experienced carnation grower capable of taking charge; can furnish the best of references. For further particulars address Key 592, care American Florist.

Situation Wanted—As foreman, by florist, 35 years of age, married, 23 years' experience in all branches, private as well as commercial. Last employer retail. Address Key 604, care American Florist.

Situation Wanted—As foreman or manager by first-class grower of choice pot plants and cut flowers. All in roses; German; good references; state particulars. Address Key 598, care American Florist.

Situation Wanted—As gardener on a private place which employs two or three hands. English, age 34; seven years in this country; good reference from last situation. Address A. ABDY, 6 Harris Ave., Jamaica Plain, Boston, Mass.

Situation Wanted—Young man wants position in charge of retail florist store or greenhouses. Understands both branches; good designer; capable, sober and honest. Reply, stating wages, etc. Address Key 617, care American Florist.

Help Wanted—First-class salesman and designers for our retail stores. Apply to HERMAN BERSHAD, care Looser's, Fulton St., Brooklyn.

Help Wanted—Assistant in florist store and greenhouse in Chicago. Steady work all year. State experience and wages, married or single. Address Key 616, care American Florist.

Help Wanted—Experienced orchardist and fruit grower. Single man preferred. State wages given in first letter. Apply to C. R. STARKE, Boys' Industrial School, Lancaster, Ohio.

Help Wanted—In B. C., Canada. An honest, sober, industrious, all around grower of pot plants and carnations. A steady job for the right man. Address Key 606, care American Florist.

Help Wanted—A German manufacturer, who makes special heating plants and boilers for greenhouses, desires to secure the services of a capable representative in America (An experienced florist preferred) to start immediately. Apply in writing to Key 610, care American Florist.

Help Wanted—Gardener to take hold of a couple of acres on gentleman's farm and make same into a first-class garden, vegetables and fruit; one who can direct flower planting at owner's residence in town preferred. All necessary help, fertilizers, tools, etc., will be furnished to accomplish desired results. Wages: \$50 per month, room and board on farm. Married man considered if wife willing to look after chickens. Box 270, Hinsdale, Ill.

Help Wanted—Yardman, must be strictly sober, strong and willing worker, understand plants and flowers and care of horse and cow and lawn. One man filled place acceptably for 15 years; wages \$40 per month; board with room and bath included with better salary at expiration of year if satisfactory service is given. Sobriety, intelligence and willing efficiency required with testimonials. Will not consider other than those meeting these requirements at any price. Address G. E. DILLEY, Palestine, Texas.

For Rent—Old established florist business; big funeral trade; main business street, Chicago; sell stock, fixtures and good will reasonable, and give long term lease to responsible party. Key 614, care American Florist.

For Rent—Reissig's greenhouses in Riverside, Ill.; 55,000 square feet of glass, and 12-room brick residence, both hot water heat; 10-room gardener's house; barn, chicken house and five acres of ground; orchard and shrubbery; all in good condition. Apply CHAS. W. REISSIG, Box 289, Riverside, Ill.

For sale—Good delivery horse at a bargain. STOLLERY BROS., 5063 Southport Ave., Chicago.

For Sale—Greenhouses and store; established trade; wish to retire. J. NELSON, 1747 W. Huron St., Chicago.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Cheap, greenhouses, good location, equipped; doing good business splendid opportunity for young man with small capital. G. W. PATTERSON, Coffey, Pa.

For Sale—Retail florist business; well established; no incumbrance; low rent; splendid location; good chance for right party; bargain. Address Key 613, care American Florist.

For Sale—At a great bargain, for cash, at once an up-to-date retail florist store, established 30 years doing a good paying business in the middle west. Further information address Key 605, care American Florist.

For Sale—\$2500 cash will put you in possession of 30,000 feet of glass, balance to suit purchaser, place fully equipped and in good running order, good location and a rare opportunity for a good grower. Address Key 607, care American Florist.

For Sale—On account of age, two small greenhouses and four acres of land; a steadily increasing business done for years which could be easily doubled by a younger and stronger person; a snap for a young man. For full particulars Address Key 594, care American Florist.

For Sale—Greenhouses, 3,500 feet of glass, with store, small house and barn, in Michigan town of 13,000. A very good trade. This is not a business that does not pay, but will bear the closest investigation and will net the price of place in one year and a half. Right in center of city. Owner has enough to live on and will retire. Address Key 603, care American Florist.

WANTED.

Situation to travel by a man having a wide acquaintance in all branches of the horticultural trade.

Key 618, care American Florist.

PLANTSMAN

Expert grower, capable of taking charge, is open for engagement. For further particulars address

Key 627, care American Florist.

HELP WANTED

Two good rose growers.
Two good carnation growers.
Two helpers.

BASSETT & WASHBURN
BINSDALE, ILL.**Situation Wanted.**

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address

Key 615, care American Florist.

FOR SALE.

\$3,000 will put you in possession of about 10,000 feet of glass. One of the best towns in Illinois. No competition. A large trade. Can sell all that can be grown at good prices. Address

WEARY & SNYDER, Dwight, Ill.**FOR SALE-A BARGAIN**

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Ill.**FOR SALE**

A large Mail Order Seed Business done by annual catalogue, cash with order, is offered for sale. Very profitable business and an excellent opportunity for anyone interested in a mail order business. Owner wishes to retire. If interested address

Key 621, care American Florist.

For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line; good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE,
1607 Second Avenue, Rock Island, Ill.**FOR SALE OR RENT.**

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

FOR SALE**Well Established Nursery.**

Excellent location near one of Minnesota's most flourishing cities. Excellent railroad facilities, 120 acres in Apples, Small Fruit and Ornamental Stock. Good Buildings, Storage and Packing Cellar. Will be sold with or without land—long lease if desired. An exceptional opportunity if taken at once. Good reason for selling. Write

KEY 578, Care AMERICAN FLORIST.

Cutworms.

One of the most injurious insects with which the florist and gardener in some localities has to contend, is the cutworm, especially with soft growing plants which are started under glass and transplanted. They appear sometimes in great numbers in spring and early summer and frequently do severe injury before their ravages are noticed. The method of attack is to cut off the young plants at about the surface of the ground, and as these insects are of large size and voracious feeders they are capable of destroying many plants in a single night, frequently more than they can devour. During the past two years these insects, working generally throughout the United States, destroyed hundreds of thousands of dollars' worth of crops. By the timely application of remedies, however, it was demonstrated, states the Department of Agriculture, through field agents and others of the Bureau of Entomology engaged in the investigation of insects injurious to truck crops and sugar beets in some of the principal trucking regions, notably in tide-water Virginia, in southern Texas, in the vicinity of Rocky Ford, Colo., in southern California, in the vicinity of Sacramento, Calif., in Stark County, Ind., and in some other regions, that these insects can be readily controlled, large areas being successfully treated. The usual method of control is by the use of poisoned baits.

Take a bushel of dry bran, add one pound of arsenic or Paris green, and mix it thoroughly into a mash with eight gallons of water, in which has been stirred half a gallon of sorghum, or other cheap molasses. After the mash has stood several hours, scatter it in lumps of about the size of a marble over the fields where injury is beginning to appear and about the bases of the plants set out. Apply late in the day so as to place the poison about the plants over night, which is the time when the cutworms are active. Apply a second time if necessary.

When cutworms occur in unusual abundance which happens locally, and sometimes generally, in some seasons, they exhaust their food supply and are driven to migrate to other fields. This they do, literally in armies, assuming what is called the army-worm habit. At such times it is necessary to treat them as we do army worms. While the methods which have been advised are valuable in such cases, these remedies may be too slow to destroy all the cutworms and we, therefore, have to employ other methods. These include trenching, ditching, the plowing of deep furrows in advance of the traveling cutworms to trap them, and the dragging of logs or brush through the furrows. If the trenches can be filled with water, the addition of a small quantity of kerosene so as to form a thin scum on the surface will prove fatal. In extreme cases barriers of fence boards are erected and the tops smeared with tar or other sticky substances to stop the cutworms as they attempt to crawl over.

Clean cultural methods and rotation of crops are advisable, as also fall plowing and disking. Many cutworms can be destroyed where it is possible to overflow the fields. This is particularly applicable where irrigation is practiced.

LEBANON, PA.—H. E. Snyder lost his Easter stock of plants and flowers by fire which destroyed the greenhouses and which probably originated from an overheated boiler flue.

PITTSBURGH, PA.—Lord & Burnham Co. are erecting two greenhouses for C. D. Armstrong, 12x41 feet each.

LOOK! BARGAINS IN Bedding Plants

For Immediate Shipment.

NOW READY.

Godfrey Aschmann, the busy bee, is more active than ever. Come and look at what he and his sons and employees have done in four weeks' time. Inspect it yourself, judge it yourself, and you will say "Is it possible?" Ten greenhouses and equally as many frames are filled with choice bedding plants of all descriptions.



Cannas, Alphonse Bouvier, Florence Per 100
Vaughan, Pennsylvania, Queen Charlotte... 7.00
Cannas, Mme. Crozy, 4-in. 8.00
Hardy or English Ivy, 4-in., 10c; 5-in., 15c.
Begonia Erfordi, our well known strain, our latest improvement, always in bloom, best of all pink varieties, 4-in. pots. 8.00
Begonia Vernon, the genuine dark red. Discard the old large leaved and buy the new sort. A bed of them once seen growing on a lawn speaks for itself; it is our latest improvement of the Vernon type; always a mass of flowers; stands the sun, heat and the dry weather well; 7,000 4-in. now ready.... 8.00
3-in. (all in bloom)..... 5.00
Begonia Berne, another novelty of Berne, Switzerland, a constant bloomer, 5½-in. pots. 25c; 3-in. 10c; 4-in., 15c.
Lemon Verbenas, 4-in. 7.00
Scarlet Sage, everybody's favorite, Clara Bedman or Bonfire (in bloom), 4-in. 7.00
Zurich, 4-in. 7.00
Ageratum, dwarf, best blue, 4-in. 7.00
Fuchsias, assorted colors, 4-in. 7.00
Double Petunias, assorted, 4-in. 7.00
Lantanas, assorted, 4-in. 7.00
Geraniums, 3 best well-known varieties:
Beaute Pottevine, best salmon pink, 4-in. 8c each
S. A. Nutt, best crimson, 4-in. 7c each
Alfonse Ricard, best double red, 4-in. 7c each
Honeysuckle, sweet-scented Halleana, 4-in., 10c; 5-in. 15c each
Clematis Paniculata, 5½-in. pots. 15c to 20c each
Ampelopsis Veitchii, 30-in. high, 4-in. 15c each
5-in. 20c each
Coclea Scandens, 4-in. 10c each
Dieleytra Spectabilis or Bleeding Heart, hardy, like a peony, kept outside in frames all winter, strong and healthy, 6-in. pots. 35c to 50c.
Dracena Indivisa, 6-in. pots, 50c.
Hydrangea Olks a. 6-in. pots, medium size only, suitable for outdoor planting, not in bloom, 25c; 7-in. pot, in cold frame all winter through, 50c to 75c.
Asparagus Plumosus, 2½-in., \$25.00 per 1000, \$3.00 per 100; 3-in., \$5.00 per 100.
Asparagus Sprengeri, 4-in., 10c.
Here we have something new, worth while having. What is it? It is a **New Yellow Daisy**, a constant bloomer. Here is the name: Dimorphotheca Aurantiaca. 2-in. pots, \$1.00 per doz.

First Consignment.

6,000 just received per steamer Lapland from Antwerpen, Belgium; more coming by next steamer.

Araucaria Excelsa, **Robusta Compacta**, **Glaucua**, and **Palms**, etc. Florists, you all know we are leaders for the last 25 years in importing, growing and shipping of this so well known evergreen decorative plant, the **Araucaria**, more in favor than ever from Atlantic to Pacific Ocean. To every florist our **Araucarias** are interesting; therefore no argument is needed for our goods. We know what our customers need; therefore we have provided and set aside special specimen plants, spring, 1911, importation, lawns, porches, verandas, bungalows, private summer residences, the hotels and boarding houses on the seashore and elsewhere. This plant is one of the most desirable evergreen decorative plants adapted for the above mentioned purposes.

Araucaria Excelsa, raised from top cuttings, 6-7-in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high. 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa Glaucua and **Robusta Compacta**, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Araucaria Excelsa, new importation, arrived per steamer Lapland, in fine condition, out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.

Robusta Compacta Excelsa Glaucua, 5½ and 6-in. pots, \$1.00 to \$1.25 each.

Kentia Belmoreana, 4 year old, 30 to 35 inches high, \$1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 inches high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Here is a bargain seldom offered. Only as long as we have it in stock. **Kentia Belmoreana**, made up of 3 plants, 30 to 36 inches high, 8-in. pots. Look! Only \$1.50, worth \$2.50.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.

Kentia Forsteriana, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00 each.

Cocos Weddelliana Palms, made up of 3 plants, 4 to 5 in. pots, 30c to 40c; 3-in., 15c.

Areca Lutescens Palms, made up of 3 plants 4-in., 20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.

Ficus Elastica (Rubber Plant), 7-in. pots, 30 to 35 in. high, \$1.00; 25 to 30 in. high, 7-in. pots, 75c; 6-in. pots, 20 to 25 in. high, 40c to 50c; 5½-in., 30c to 35c.

Ferns.

Neph. Cordata Compacta, 4-in., 20c; 3-in., 15c.

Scottii, very large selected specimen plants, 5¼, 6 and 7 in. pots, 25c, 30c, 40c, 50c, 75c, \$1.00; 4-in. pots, 20c.

Whitmani and **Scholzei**, 7-in. pots, 75c to \$1.00; 5, 5½, 6 to 7 in. pots, 25c, 30c, 40c, 50c to 75c.

Glatrasi, 5-5½ in. pots, 30c, 35c, 40c; 4-in. pot plants, 20c to 25c.

Boston, 7-in., 75c to \$1.00.

In Small Plants

we have the following in 2½ to 3-in. pots, at \$3.00 per 100:

Verbenas, assorted colors.

Phlox Drummondii, dwarf and grandiflora.

French dwarf Tagetes (the queen of the Marigolds).

Coleus, Verschaffeltii, Golden Bedder, Queen Victoria (fancy colors, 4c).

Petunias, Inimitable, Dwarf and Rosy Morn.

Sweet Alyssum, Carpet of Snow or Little Gem

Thunbergia, or Black Eyed Susan.

Lobelia, Crystal Palace, blue, dwarf.

Cornflowers (assorted).

Cent-aurea Gynocarpa (Dusty Miller).

Parlor or German Ivy, 3c.

California Giant Petunia 3-in., \$5.00 per 100.

Asters, 5 separate colors, 2½-in., 3c; Crexio, mottled or striped.

Don't forget that we are the growers and shippers of **Ipomoea Noctiflorum**, the pure white Moonvine, with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years; grows 50 feet and over in one season; over 25,000 are shipped every spring all over America, south, north, west and east.

Mexico and Cuba, 2½-in. pots, \$5.00 per 100; 3-in., \$8.00 per 100; 4-in., \$12.00 per 100.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

The American Florist Company's Directory of
 Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

Directory Revision

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen**, etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by supplying the following information with reference to your business:

In all cases state (1) Name of firm or proprietor, with the officers of corporations; (2) Name of manager; (3) Address, giving street and number or rural route; (4) City or town; (5) State; (6) When business was established; and (7) Whom present owner succeeded.

If Florists, state whether (1) Grower; (2) Retail, having store only, (3) Wholesale; or (4) Commission. If a grower state acreage of ground operated and give number of square feet of glass.

To ascertain the number of feet under glass in a given house, 12x145 feet 145
 multiply the length (145 feet) by the width (12 feet) and you have in 12
 that house 1,740 feet under glass, thus,.....1,740

If Nurserymen, state whether (1) Wholesale; (2) Retail; (3) Acreage of ground operated, and area under glass as in the case of florists above.

If Seedsmen, state whether (1) Dealer; (2) Grower; (3) What your specialties are; (4) If a grower, state acreage operated and area under glass, as in the case of florists above.

Inclose your printed letterhead or business card with above details of the business.

Please send the names and addresses of new firms in your vicinity.

Horticultural Supply Concerns

We also list all lines of **Horticultural Supply Concerns**, such as manufacturers of **Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Machinery, Implements, Sprayers, Seed Cases, Flower Pots, Florists' Boxes, Ribbons, Etc.** The specialties are also listed under these heads in the case of advertisers.

Advertising Rates:

Including Copy of New Edition.

Page (3½ x 6½ inches).....	\$25.00
Half page (3½ x 3¼ inches).....	15.00
One-fourth page (3½ x 1⅝ inches).....	9.00

The Price of the Book is \$3.00 Per Copy, Postpaid.

SEND YOUR ADVERTISEMENT NOW.

AMERICAN FLORIST COMPANY,

Directory Department.

440 S. Dearborn Street, CHICAGO.

BEAUTIES

Big Crop of Extra Long Stems, Very Choice Flowers, \$3.00 Per Dozen.

ALSO A BIG CROP OF ROSES.

Carnations for Mothers' Day, White, \$5 per 100; Colored, \$4 per 100.

We grow all the flowers we sell and guarantee them to be absolutely fresh.

BUY DIRECT OF THE GROWER

CURRENT PRICE LIST Subject to change without notice

AMERICAN BEAUTIES.		Per doz.
Extra long		\$3.00
30-in.		2.06
20 to 24-in.		1.50
15-in.		1.00
12-in. ....	.50 to	.75
RHEA REID.		Per 100.
Extra long select		\$8.00
Good length	\$6.00 to	7.00
Medium length		5.00
Short	3.00 to	4.00
MRS. AARON WARD.		Per 100.
Extra long	\$8.00 to	\$10.00
Medium and good lengths		6.00
Short lengths		4.00

WHITE AND PINK KILLARNEY, PERLE AND RICHMOND.		Per 100.
Extra long select		\$8.00
Good length		6.00
Medium length	4.00 to	5.00
Short		3.00
CARNATIONS.		Per 100.
Extra long fancy O. P. BASSETT.		\$3.00
Fancy white	\$2.00 to	3.00
Fancy pink	2.00 to	3.00
Fancy dark pink	2.00 to	3.00
EXTRA FINE EASTER LILIES.		
Per dozen		\$1.00
Per 100		6.00
LILY OF THE VALLEY	\$3.00 to	\$4.00
ASPARAGUS SPRAYS	per 100,	3.00 to 4.00
ADIANTUM	per 100,	1.00
GALAX, Green & Bronze	per 1,000,	1.25
FERNS	per 1,000,	3.00

ROSES, Our Selection, in lots of 500 or more, \$15.00 per 1000.

Bassett & Washburn, Chicago

Store and Office: 131 N. Wabash Ave.

Greenhouses: Hinsdale, Ill.

Chicago.

ALL STOCK VERY PLENTIFUL.

The market conditions of the past week have not shown any improvement of those of the week previous, and the state of the trade is about what it has generally been during the last of April and first of May. Stock of all kinds is received in large quantities and it is a question with all the dealers what is to be done with the amount received and prevent a large accumulation. Buyers who can handle a large amount can purchase at very low prices and as there is plenty of good stock to fill all orders any that does not come up to the best standard is either discarded entirely or sold at a low figure. Roses are in great supply and the receipts are very large every day. American Beauty, however, is not in any great over-supply and good stock of all grades sell well and at good prices. The others with the exception of the novelties are received in large quantities every day. But the stock is all of very fine quality for the weather has been cool and with the exception of the rainy days just what the growers most desire to produce good stock. Carnations are in large enough supply to meet all the demands but the shipments of these flowers are nowhere near as large as they have been at this time in some years. The best blooms are very easily disposed of and at good prices for the first of May, but there are many of inferior grade that sell at low figures, and some of the retail stores are offering them at bargain prices. There will not be any too many to fill the large demand that will be received for Mothers' day is the opinion of most of those who handle them in large quantities. Lilies and callas are still quite plentiful and the demand for these is not large. Sweet

peas are in very good supply but the long-stemmed stock is still bringing good prices and the only cheap stock to be had is those that are short-stemmed. The Spencer varieties or "Butterfly" as they are known on the market are now being received in larger quantities. Violets are fast disappearing and are to be had but with few dealers. Some of the home-grown stock is of very good quality, but the shipments are not large. The outdoor bulbous stock is not nearly of so good quality as has been on the market all the spring and it sells at very low prices. Narcissus was displayed in some of the windows at the end of last week at two dozen for ten cents, which certainly is not giving the growers any great profit, even if it is grown outside. Some very beautiful orchids are seen and the retail stores are displaying plants full of flowers. Antirrhinum of the finest quality is shown and the large vases of this flower make a beautiful display. Trailing arbutus and pansies are still shown for corsages. Greens are not overplentiful and hardy ferns are still held at good prices which they will probably maintain until after Memorial day.

NOTES.

The marriage of George T. Elliott, eldest son of William H. Elliott, Brighton, Mass., and Miss Alma Brochart of Morton Grove, was solemnized Thursday, April 25, Rev. Joseph Hayes Chandler officiating. T. E. Waters acted as best man, with Miss Ethel Brochart, a sister of the bride, as bridesmaid. The happy couple left on the evening train for Council Bluffs, Ia., where Mr. Elliott will take up duties for the King Construction Company. The regular meeting of the Florists' Club will be held at the Union Res-

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Budlong's

Blue Ribbon Valley.

restaurant, May 2, at 8 p. m. The special feature of this meeting will be the address of S. A. Jamieson, of the Universal Portland Cement Co., on "Concrete Construction in Greenhouses" with stereopticon views. We understand Mr. Jamieson has secured a large amount of valuable data, besides many interesting lantern slides, for the occasion.

Chas. Erne, formerly with E. H. Hunt and the Chicago Flower Growers' Association, and Fred G. Klingel, bookkeeper for John Kruchten for many years, are going into the wholesale business together and will open soon under the firm name of Erne & Klingel. They have leased the old Chas. W. McKellar store and their many friends wish them much success in their new undertaking.

The Alpha Floral Co.'s store now presents a most favorable appearance with its newly decorated interior and its fine window displays are certainly a credit to George Economopolis, the hustling proprietor.

F. A. Longren, E. H. Hunt's well known traveling salesman, has returned with his order book pretty well filled, from a most successful business trip in the sunny south.

O. Johnson says that the Batavia Greenhouse Co. will soon start work on their new addition of 50,000 feet of glass.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

LARGE SUPPLY WHITE CARNATIONS FOR MOTHERS' DAY

WRITE FOR PRICES]



For Spring Weddings Also ORCHIDS

Cattleyas in Good Supply, Light and Dark Colors, \$6.00 to \$7.50 per dozen.

CURRENT PRICE LIST

AMERICAN BEAUTIES.		Per Doz.			
Specials	.....	\$3.00			
36-inch	.....	2.50			
30-inch	.....	2.00			
24-inch	.....	1.50			
20-inch	.....	1.25			
15-inch	.....	1.00			
Short stem	.....	per 100	\$4.00 to 6.00		
PRINCE DE BULGARIE, Antoine Rivole or Mrs. Taft.		Per 100			
Fancy	.....	\$10.00 to \$12.00			
Medium	.....	8.00			
Short	.....	6.00			
MELODY, fancy long.		\$10.00 to \$12.00			
Medium	.....	8.00			
Short	.....	6.00			
MRS. AARON WARD.					
Fancy Long	.....	\$10.00 to \$12.00			
Medium	.....	8.00			
Short	.....	6.00			
RICHMOND, select		8.00			
Fancy	.....	6.00			
Medium	.....	\$4.00 to 5.00			
Good Short	.....	\$2.00 to 3.00			
KILLARNEY, select		\$8.00			
Fancy	.....	6.00			
Medium	.....	\$4.00 to 5.00			
Good Short	.....	2.00 to 3.00			
WHITE KILLARNEY, select		Per 100			
Fancy	.....	\$8.00			
Medium	.....	6.00			
Good Short	.....	\$4.00 to 5.00			
ROSES, extra special billed accordingly.					
CARNATIONS, fancy		\$ 3.00			
" firsts	.....	2.00			
" common splits	.....	\$1.00 to 1.50			
ORCHIDS, Cattleyas, per doz.		6.00 to 7.50			
EASTER LILIES, per doz., \$1.50		8.00			
SPANISH IRIS		6.00			
VALLEY		2.00 to 3.00			
MIGNONETTE, large spikes		4.00			
PANSIES, fancy large		1.00			
SWEET PEAS, common		.30 to .60			
SWEET PEAS, fancy		.75			
ADIANTUM CROWEANUM		1.00			
SMILAX		per doz., \$2.50 to 3.00			
SPRENGERI, PLUMOSUS SPRAYS		3.00 to 4.00			
PLUMOSUS STRING		each .60			
FERNS		per 1000 3.00			
GALAX		per 1000 1.25			
LEUCOTHOE		per 100 .75			

Good Short Stem Roses, \$15.00 per 1000; 500 at the same rate.

HEADQUARTERS FOR CARNATIONS FOR MOTHERS' DAY

Large Supply of White and Red

CURRENT PRICE LIST.

AMERICAN BEAUTIES.		Per Doz.			Per 100
Specials		\$4.00	CARNATIONS, fancy		\$2.50
36-inch		3.00	"	firsts	2.00
30-inch		2.50	"	common splits	1.00
24-inch		2.00	ORCHIDS, Cattleyas, per doz.		\$7.50 to \$ 9.00
20-inch		1.50	CALLAS, per doz., \$1.50		12.00
15-inch		1.25	TULIPS		2.00 to 3.00
12-inch		1.00	SPANISH IRIS		4.00 to 6.00
Short stem	per 100	\$4.00 to \$6.00	VALLEY		3.00 to 4.00
		Per 100	MIGNONETTE, large spikes		4.00
RICHMOND, select		\$8.00	SWEET PEAS, common		.50 to .75
Fancy		6.00	ADIANTUM CROWNEANUM		.60 to 1.00
Medium		4.00	SMILAX	per doz.,	2.50 to 3.00
Good short		3.00	SPRENGER, PLUMOSUS SPRAYS		3.00 to 4.00
KILLARNEY, select		\$8.00	PLUMOSUS STRINGS	each	.60
Fancy		6.00	FERNS	per 1000	2.50
Medium		4.00	GALAX	per 1000	1.25
Good short		3.00	LEUCOTHOE	per 100	.75
WHITE KILLARNEY, select.		\$8.00			
Fancy		6.00			
Medium		4.00			
Good short		3.00			

A. L. VAUGHAN & CO.

Telephones, Central 2571 and 2572.

161 N. Wabash Ave., - - - - - Chicago

J. F. Kidwell, president and manager of the Chicago Flower Growers' Association, is calling on the growers of the corporation this week, and making arrangements for next year's supply. It is the association's aim to have each one of its members grow a certain line of stock instead of everyone growing the same kind of flowers and the plan is already being followed for Schuman & Kohout of Libertyville will grow American Beauty roses only and the Wellworth Farms roses exclusively.

Wietor Bros. have booked some good sized orders for roses and carnations for Mothers' day, and also a few for Memorial day, which goes to show that their customers are placing their orders early. American Beauty roses are still being received in good supply and N. J. Wietor says that the quality is far better than usual for this time of the year.

Hoerber Bros. are well pleased with their new rose Wilhelmina and some of the bench space formerly devoted to the culture of Richmond, Bride and Killarney roses will now be planted with this variety. This firm is cutting a fine grade of seasonable stock with Butterfly sweet peas showing up exceptionally well.

A. Henderson & Co. have had such a good season that they were obliged to rent larger quarters and are now comfortably located in old historic Fort Dearborn building at 352 North Michigan avenue. This enterprising firm extends a cordial invitation to the trade to visit them in their new store.

E. E. Pieser, the Peony King, says that the reports from two of his other peony farms are to the effect that the crops will be very light, which seems to be the report in general throughout the country. His firm, Kennicott Bros. Co., is now offering a fine grade of sweet peas and carnations.

A. L. Vaughan & Co. are receiving a great many compliments from their many customers on their new stationery, which is something original and exceptionally fine. This house is well supplied with stock of all kinds and is filling a large number of orders for carnations and sweet peas.

The Des Plaines Floral Co. has placed an order with the Geo. M. Garland Co. for a traveling greenhouse, 34x100 feet. The contract calls for the highest type house that Garland builds, including the new invention which the firm will feature in the future.

John Kruchten is receiving a large supply of choice stock of all kinds and is particularly well fixed on white roses and white carnations. The gardenia crop has shortened up considerably but the supply here is equal to the demand.

Chas. W. McKellar moved into his new store, at 30 East Randolph street, this week and when the finishing touches are completed he will have one of the finest stores in the city.

Ed. Armstrong, formerly with A. Lange, has accepted a position with Kennicott Bros. Co., and Ben Connors, formerly with Zech & Mann, is now with Poehlmann Bros. Co.

Ed. Vilter, formerly with the J. E. Deamud Co., but later with Paul Blome & Co., is back in the wholesale business and in the employ of Zech & Mann.

Henry Wittbold has several large decorations on for the household show at the Coliseum and one, a camp scene, promises to be something out of the ordinary.

Peter Olsen bowled in the state tournament at Bensinger's alleys last Sunday, April 28, but was evidently in poor form for he failed to break any records.

U S Budlong's E Blue Ribbon Valley.

Miss Pauline Wienhoeber and Albert Huss were married at St. Michael's church last Tuesday, April 30, and are now making their home in Oak Park.

Bassett & Washburn are having a good call for their Rhea Reid and Mrs. Aaron Ward roses and are cutting just enough stock to fill their orders.

Michael Fink entered the employ of the Chicago Flower Growers' Association on April 29 and is now looking after this firm's customers.

Jack Byers, the Chicago Carnation Co.'s popular young salesman, left April 28 to take the bath treatments at Hot Springs, Ark.

Frank Johnson, A. L. Randall Co.'s hustling sales manager, is expected back this week from his southern business trip.

The E. F. Winterson Co. is particularly strong on carnations and Tom (?) says the supply will be large for Mothers' day.

E. B. Washburn is offering his residence in Hinsdale for sale and is now on the lookout for a suitable buyer.

Miss Nelson, saleslady for O. J. Friedman, will leave soon for Europe to visit friends and relatives.

Frank Oechslein is visiting friends and relatives in New York and other eastern cities.

Miss Elsie Winterson is helping out at Winterson's Seed Store during the rush.

WHITE ROSES AND WHITE CARNATIONS FOR MOTHERS' MEMORY BRIGHT ROSES AND BRIGHT CARNATIONS FOR MOTHERS LIVING BIG CROPS OF BOTH

FINEST STOCK IN THE CHICAGO MARKET. BAR NONE.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60-inch stems.....\$4.00	24-inch stems.....\$1.50
48-inch stems..... 3.00	20-inch stems..... 1.25
36-inch stems..... 2.50	15-inch stems..... 1.00
30-inch stems..... 2.00	Short Stems..... .75

Killarney.

Per 100
Extra special.....\$7.00
Selects..... 6.00
Fancy..... 5.00
Medium..... 4.00
Good..... 3.00
Short stems..... 2.00

Richmond

Per 100
Extra specials.....\$7.00
Selects..... 6.00
Fancy..... 5.00
Medium..... 4.00
Good..... 3.00
Short stems..... 2.00

Jardine

Per 100
Fancy, 24-inch stems.....\$8.00
Good, 15 "..... 6.00
Short..... 4.00

White Killarney

Per 100
Extra specials..... 7.00
Selects..... 6.00
Fancy..... 5.00
Medium..... 4.00
Good..... 3.00
Short stems..... 2.00

Uncle John

Fancy.....\$6.00
Good..... 3.00
Short..... 2.00

Roses, our selection - - - \$2.00

Carnations,

Special.....\$2.50
Fancy..... 2.00
Good..... 1.50

HARRISSI..... 8.00 to 10.00

FERNS, per 1000, \$3.50. SMILAX, per doz., \$2 to \$3.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.
G. C. WEILAND, Sec'y.

White and Red CARNATIONS

AND

White and Red ROSES

FOR MOTHERS' DAY

Extra Fine Stock, just right for shipping orders.

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 4.00	\$ 3.50	\$ 3.00	\$ 2.00	\$ 1.00	.....	.....
Killarneys.....per 100	8.00	6.00	5.00	4.00	3.00	2.00	.....
White Killarneys....."	8.00	6.00	5.00	4.00	3.00	2.00	.....
Richmonds....."	8.00	6.00	5.00	4.00	3.00	2.00	.....
My Maryland....."	8.00	6.00	5.00	4.00	3.00	2.00	.....
Perle....."	8.00	6.00	5.00	4.00	3.00	2.00	.....
Maids....."	8.00	6.00	5.00	4.00	3.00	2.00	.....
Brides....."	8.00	6.00	5.00	4.00	3.00	2.00	.....
Carnations....."	3.00	2.00	1.50	1.00	.....	.....	.....
Callas....."	10.00	.....	.....	.....	.....	.....	.....
Easter Lilies....."	10.00	8.00	6.00	.....	.....	.....	.....
Orchids, Cattleyas....."	50.00	35.00	.....	.....	.....	.....	.....
Lily of the Valley....."	4.00	3.00	.....	.....	.....	.....	.....
Iris....."	5.00	4.00	.....	.....	.....	.....	.....
Sweet Peas....."	.75	.50	.35	.....	.....	.....	.....
Mignonette....."	4.00	3.00	.....	.....	.....	.....	.....
Daffodils....."	4.00	3.00	.....	.....	.....	.....	.....
Tulips, assorted colors....."	3.00	2.00	.....	.....	.....	.....	.....
Jonquils....."	4.00	3.00	.....	.....	.....	.....	.....
Daisies....."	1.00	.75	.....	.....	.....	.....	.....
Asparagus Plumosus Sprays....."	4.00	3.00	2.00	.....	.....	.....	.....
Asparagus Sprenger Sprays....."	4.00	3.00	2.00	.....	.....	.....	.....
Mexican Ivy, \$5.00 per 1000....."	.60	.....	.....	.....	.....	.....	.....
Smilax....."	25.00	16.00	.....	.....	.....	.....	.....
Adiantums....."	1.00	.....	.....	.....	.....	.....	.....
Galax, Green or Bronze.....per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns....."	3.00	2.50	.....	.....	.....	.....	.....

Fred Sperry, now of Los Angeles, Calif., surprised his friends in the trade here this week by visiting the local market. His mission here was to dispose of his property in Oak Park and to meet his wife and son Frederick, Jr., who have just returned from spending the winter in Florida. Mr. Sperry expects to return to the Golden State some time this month.

The John C. Moninger Co. has just received an order from Joseph Grabowski of Lansing, Mich., for three greenhouses, 22½x150 feet, and a lean-to, 16x72 feet. Mr. Grabowski, who was formerly with the Maplewood Violet Co., is an efficient grower and will conduct his business under the firm name of the Lansing Violet & Floral Co.

The A. Dietsch Co. is having a splendid year and one of the latest orders that has been booked is that of Mr. Uffman of Toledo, O., which calls for 10 houses 40¾x230 feet. Carl Ickes says that his firm's new catalogue is now ready and that it would probably be in the mail this week.

Poehlmann Bros. Co. is having a good call for their new roses and a large quantity of Prince de Bulgarie, Melody and Mrs. Aaron Ward are being sold daily. The supply department is very busy and T. E. Waters, who looks after this department, is building up a nice trade.

J. B. Deamud came near being entered on the sick list this week. That he felt miserable there was no doubt for that genial smile and aggressive spirit were missing, but his indomitable pluck kept him on the job and he rapidly regained his usual good humor and hustle.

H. Van Gelder has decided to go into the supply business on a much larger scale and when the new stock arrives Percy Jones will be in fine shape to take

Removal Notice.

I am now located in my new store, Room 209 Atlas Block, where my facilities for handling Cut Flowers and Florists' Supplies are more than tripled, which enables me to handle additional consignments to advantage, and I shall be pleased to hear from growers having Cut Flowers and Decorative Stock to consign to this market. Address all mail and telegrams to 30 East Randolph Street. I also have private entrance at 22 East Randolph Street. Extending you a cordial invitation to give me a call, and hoping to be favored with your future patronage in my new quarters,

Respectfully,

Charles W. McKellar,

30 E. Randolph St., Chicago.

care of his customers in both this and the cut flower line.

J. A. Budlong is supplying his customers with a fine grade of Mrs. Jardine roses and Phil Schupp and Wm. Hornberg both say that it is the best selling rose on the market today.

The Geo. Wittbold Co. has received a large shipment of bay trees and all hands are busy disposing of both these and the box trees which were recently received.

The E. C. Amling Co. is featuring a fine grade of snapdragons in all colors and the grower has every reason to feel very proud of this stock.

Peter Reinberg's supply of stock is as large as ever and it looks as if Tim Matchen will have plenty of stock for his customers for Mothers' day.

**U S Budlong's
E Blue Ribbon Valley.**

Mention the American Florist when writing

Kyle & Foerster are receiving a fine grade of carnations from the Northwestern Floral Co. and the stock is finding ready sale.

H. Munson, the boiler flue man, says that business is good and that orders are coming his way.

Good Supply For Mothers' Day

WHITE AND PINK KILLARNEYS RICHMOND BEAUTIES

And a Large Supply of all the other Leading Varieties of Roses.

Carnations

Fine Large RED, WHITE and PINK Blooms.

Roses, in 1000 lots, Short..... 20.00 per 1000.
Roses, in 1000 lots, Medium..... 30.00 per 1000.

CURRENT PRICE LIST.

Send Your Orders Direct to the Grower and They Will be Taken Care of

AMERICAN BEAUTIES		Per doz.				
Extra long stems.....		\$4 00	Sunrise.....	{ Select \$6 00		
36 inch stems.....		3 50		{ Medium 5 00		
30 inch stems.....		3 00		{ Short 3 00 to 4 00		
24 inch stems.....		2 50	Roses, our selection.....	3 00		
20 inch stems.....		2 00	Carnations	1 50		
15 inch stems.....		1 50	Fancy	2 00 to 2 50		
12 inch stems.....		1 25	Harrisii	per doz. 1 50		
Short Beauties.....		\$.50 to 1 00	Valley	3 00 to 4 00		
Richmond	} Select	\$8 00	Sweet peas	75 to 1 00		
Killarney			Medium	\$5 00 to 6 00	Tulips	3 00 to 4 00
White Killarney			Short	3 00 to 4 00	Adiantum	1 00
My Maryland.....			Asparagus, per bunch.....	50		
			Ferns, per 1,000.....	3 00		

Peter Reinberg

30 East Randolph St., CHICAGO.

The Meredith Flower and Vegetable Co. of Libertyville has placed an order with the John C. Moninger Co. for two houses, 27x200 feet, and one house, 27x230 feet.

Visitors: I. L. Pillsbury, Galesburg, Ill.; Fred Breitmeyer, Mt. Clemens, Mich.; H. Kinyon, South Bend, Ind.

PHELPS, N. Y.—The Floral Society decided to hold the annual flower show August 29-30, at a meeting held March 19. W. H. Cornford was elected president and Mrs. R. A. McMullen secretary.

Chicago Bowling.

Al. Fischer's Stars made the following score in the state bowling tournament now being held at Bensinger's alleys:

Birsen	166	194	147
A. Fischer.....	203	167	206
Jardine	161	178	196
Zech	173	143	196
Fischer	130	192	155
Totals	833	874	900

U S Budlong's
E Blue Ribbon Valley.

HAVERSTRAW, N. Y.—J. J. Coonan has opened a new flower store in the Old-field building at 24 Main street.

"The Busiest House in Chicago."

CARNATIONS

For Mothers' Day

RED, WHITE AND PINK.

QUANTITY

QUALITY

J. B. DEAMUD CO.

Phones ^{Central 3155.} _{Auto. 44-389.} **160 N. Wabash Ave., CHICAGO**

Sweet Peas.

Paper read by Charles B. Weaver before the Lancaster City and County Florists' Club, April 18, 1912.

Having been given a broad scope to write upon I will treat each subject briefly as I know it. We began the culture of sweet peas commercially twelve or fourteen years ago in a small way with more or less disappointment financially. The start was with a row about fifty feet long, of the old pink and white variety, Earliest of All. This row, as I remember, bloomed during the spring months and paid only moderately well. Right here I wish to mention that on questioning S. S. Penock of Philadelphia as to the advisability of growing sweet peas to be in bloom at Christmas I received for an answer that if it were possible to produce peas at that time it would be next to impossible to sell them. However, the following winter, owing to stem rot in carnations, I again sowed peas in one bed 140 by five feet, but these flowers I did not attempt to market in Philadelphia but shipped them to Pittsburg with not very satisfactory results until toward spring, when they gradually increased in value.

The following season two beds were planted, one with Earliest of All, the other with a variety not now in cultivation named Josephine White. In this year's experience the Earliest of All were affected with a disease that delayed their blooming period until nearly spring. The Josephine White opened a few flowers in November and I remember shipping fifty flowers to Philadelphia for which I received fifty cents, which caused me to feel encouraged, but this was of short duration, as the week following all I received was a stroke with a blue pencil accompanied by a note saying that peas were more of a spring flower in their market. After this what sweet peas I had were shipped again to Pittsburg for several months or until warmer weather, when I received word that they were arriving in poor condition, which was more the fault of the variety, Josephine White, which was a miserable keeper.

After receiving this word my only recourse was to again ship to Philadelphia, which was, as I remember, about three weeks before Easter. From the first shipment, to my recollection, the sweet peas sold well in spite of their quality, and continued to sell well until some time after Easter. It may seem peculiar, but this same Easter I received the highest price for sweet peas I ever received, before or since; the largest part of my Easter crop realized from \$1.50 to \$2.50 per 100. I well remember one retailer in Philadelphia buying 800 from my commission man, paying him \$2.50 per 100, and then made complaint that they kept poorly and asked that the price be reduced to \$1.50, which I was glad to do, and I did

not blame the kicker, either. I want to say in fairness that \$2.50 per 100 is too high a price for sweet peas even during the holiday season, but of course this price was not refused. From this time on, which was about eight years ago, peas began to sell in Philadelphia in midwinter, although in a moderate way at first, until at the present time tens of thousands are disposed of during the Christmas holidays; other cities, too, for a time, did not take to these flowers during midwinter, but now I venture to say that few cities of fair size in this country are without sweet peas less than three months of the year and in many they are an all year flower.

Formerly there was very little choice of varieties, say two or three; now, owing to the labors of different men there are possibly two dozen different colors and shades of winter flowering sweet peas, although there is some confusion through duplication of names, which in my opinion should be looked into by the National Sweet Pea Society; as, for instance, should a grower decide that he would try several varieties of white and buy from the different sources the following: Watchung, Earliest White and Snowbird or Snowdrift, and find at blooming time that he has four rows of the same variety; also, the only difference between Christmas Pink and Earliest of All is the price of the seed. Mont Blanc, Christmas White and Florence Denzer, too, are identical. I want to say in connection with this that no man in this country or in the world for that matter has done more toward the advancement of winter flowering sweet peas than Anton Zvolanek of Bound Brook, N. J. He has at the present time succeeded in producing practically all of the colors that we have in the summer blooming varieties in the winter blooming section, and I am informed that he is now at work on the Spencer varieties and in fact has partly succeeded in having them to acquire the winter blooming habit. Many of the colors that Mr. Zvolanek has succeeded in fixing to type have as yet to prove salable, but as the field broadens we can expect a wider range of colors to become popular.

At the present time the old pink and white variety Earliest of All or Christmas Pink is the best seller, followed by white of the different varieties, these followed by lavender, of which I will mention the following: Mrs. Alexander Wallace and Wallacea, a dark lavender, and I believe not so likely to drop their buds as Mrs. Charles H. Totty, although this is the most desirable shade of the three. In the light pink class we have Mrs. Dolansky, Mrs. Wm. Sim and one or two others not so desirable. The variety Mrs. Sim will produce longer stems than any variety in cultivation under like conditions; the color is very pretty when first picked, but when

slightly faded soon shows too much salmon, while Mrs. Dolansky, although not quite so bright when first opening, holds a uniform color throughout. Gov. Fort is a fine color and should become popular, as should Pink Beauty, although this has to be proven in most markets. Of the striped purple and violet shades little can be said in a commercial way at present.

I have read opinions of different growers relative to seed from different localities producing better results, some holding that California seed produces weaker growth and is responsible for different diseases in comparison with home grown seed. With these opinions I do not agree, as for hardness of shell and good germination California seed cannot be surpassed. I have grown some seed of a few special varieties and find it an expensive undertaking, as in addition to having to carefully support the vines I find it necessary at intervals to jar the vines to secure thorough pollination, also when the pods begin to dry they must be picked off every few days owing to a tendency to burst open and scatter the seed. This trouble of course is seldom met with in California, as their climate is more dry and not so changeable at seeding time.

Usually the first sowing is made about the middle of August with us, some growers sow earlier, I understand. August is a very troublesome time to sow peas, as the intense heat we often experience at that time is entirely adverse to the conditions this plant will thrive in. We often have trouble with the tender vines damping off at the ground; in fact on more than one occasion to the extent of fifty or 100 feet of row. I have tried different methods to prevent this and have used lime in the soil at planting time, sterilized with formaldehyde, and tried keeping the soil both wet and dry, and have come to the conclusion that a practical preventative is a well dampened soil at sowing time and care to keep conditions as uniform as possible. We have with us a disease called black root, which seems to be the most troublesome during extremely hot weather; I have on several occasions sown an entire house which became affected with this disease. It is noticeable soon after the vines appear above the surface of the ground, by their stunted, yellowish appearance, the roots on examination are black for several inches of their length below the surface of the soil, also many of the rootlets are entirely rotted off. If one has patience, with the coming of cooler weather many of these vines will send out new roots and make a fair growth of vine, but never as good as those not affected. My method usually is to make a furrow beside the diseased rows and sow a fresh supply of seed, usually with good results, as the second sowing, while in the same soil, was naturally made considerably later in the

WHITE CARNATIONS and White Roses FOR MOTHERS' DAY

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JOHN KRUCHTEN

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season. This present season, owing to a fear of again having this disease to contend with, I planted another crop in the house in summer and delayed sowing peas until the beginning of October, and with little or no trouble from this disease, which goes to prove that it is a hot weather disease. Sweet peas for midwinter blooming were sown in August at a new location remote from the older houses where as yet I could find no trace of this very troublesome disease. Possibly by using movable greenhouses we could travel ahead of this trouble.

The green worm never caused us much trouble until last season, when they seemed to come in droves. I tried poisoning with different compounds, but very few seemed to be killed by this means and we had to resort to hand picking. Bud dropping is caused by too sudden changes from long continued warm weather to dark, cloudy weather or the reverse, or from too high an artificial temperature followed by a sudden drop. As to temperature during midwinter, we run a night temperature of about 50° to 55° and 60° to 65° during bright, clear weather. Toward spring we drop to 45° to 47° at night and during the same day temperature as during midwinter.

Sweet peas require constant attention after the vines are tall enough for support, so that they are kept growing erect, and in fact from that time on during the blooming period more labor is required than for any other greenhouse crop, that is if you wish to handle the stock carefully and for profit. The demand for these flowers is increasing as is also the supply, and I find that you must have decidedly better stock now than several years ago to obtain a fair average price. We ship altogether to commission houses in different cities, which I consider the only way to market cut flowers.

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

Prunus Japonica for Forcing.—The two double-flowered varieties of this member of the cherry family are particularly valuable for forcing. For this purpose they are grown in very large numbers by the Dutch, both as dwarfs and standards. Not only are they beautiful under glass early in the year, but they form a delightful feature in the open ground later on. Unfortunately for those who wish to take advantage of their beauty in this way,

they are nearly always propagated by budding or grafting on to the sloe, whose suckers soon choke up the weaker growth, unless the plants are continually attended to. What is more, the point of union is sometimes affected with canker. Grafted plants of the charming *Prunus triloba* are open to just the same objection. This mode of increase need not be universally adopted, as both these species can be had from layers, though, of course, not so quickly as when grafted. Still, they are well worth paying extra for—that is, if one can obtain them. I have also struck *Prunus japonica* from cuttings of the young soft shoots early in spring. These shoots were produced by forced plants, and treated much as fuchsias they soon produced roots. This species is, according to the books, a native of China as well as Japan, and that fact, no doubt, accounts for it being often met with as *Prunus* or *Cerasus sinensis*.

A New Nerine.—At the meeting of the Royal Horticultural Society an award of merit was given to Nerine Veitchi, shown by Robert Veitch & Sons of Exeter. It may be likened to the now comparatively well-known Nerine Bowdeni (remarkable for the large size of its individual blossoms), except that the flowers are of a blush tint. It is certainly a very pleasing addition to this charming family of South African bulbous plants. The bulbs of this newcomer are said to have been imported direct from South Africa. In addition to this, examples of the typical *N. Bowdeni* were also noted, as well as a hybrid form—*Exonia*—raised between *N. Bowdeni* and *N. Fothergilli*. The flowers of this variety are large, with wavy segments, the color being deep carmine. The beauty of these nerines was well exemplified in another part of the hall by large, splendidly-flowered masses of the brilliant scarlet Nerine Fothergilli. It is, as in this case, when several bulbs are grown in one pot, that these nerines are seen at their best, while, what is more, they flower best when the bulbs are crowded together in large pots, provided the roots are in good condition. To ensure this, the potting compost should consist principally of good, fibrous, yellow loam and sand, as this will keep sweet and fresh for years.

Lilium Roseum.—This is a rare and distinct Himalayan lily. Anyone not familiar with *Lilium roseum*, and seeing it flowering for the first time, would scarcely recognize the plant as

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\$6.50 per 1000; \$30.00
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10,000, Carefully
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U S Budlong's E Blue Ribbon Valley.

a lily. The leaves and flower spikes are more suggestive of *Ornithogalum nutans*, or an anthericum, while the flowers are not unlike a funkia. It has also apparently puzzled botanists, for in addition to the name at the head of this note, the names *Fritillaria Thomsonianum*, and *Fritillaria Hookeri*, have been used. The leaves are narrow, and for the size of the plant unusually long, several exceeding a foot. As they ascend the stem the leaves become shorter and farther apart, gradually merging into bracts. The stem, which averages about 1½ feet high, terminates in a raceme of twenty or more pale mauve flowers. These are small, bell-shaped, 1½ inches long, and nearly as broad at the mouth. The perianth consists of six sepals, which are free to the base. The stigma is not at all like that of a lily, being trifid. This lily flowers outdoors at Kew, in light, sandy soil, at the base of a sheltered south wall. The natural flowering season is April and May.

A Winter-flowering Greenhouse Climber.—The *hibbertias* form a class of Australian shrubs, a couple of which at least are of a twining nature. The first is the vigorous-growing *H. volubilis*, whose showy yellow flowers have an evil smell; and the second,

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H. dentata, which is a really valuable climber for the greenhouse, whose merits are enhanced by the fact that it blooms throughout the entire winter months. It is of fairly quick growth, and mounts upward by twining its thong-like shoots around any support. The ovate leaves are leathery in texture, and of a dark bronzy green when mature; but when young they, as well as the bark of the young shoots, are red. This latter feature varies in intensity according to the amount of exposure to which the plant is subjected. The golden yellow flowers are about a couple of inches across, and somewhat suggestive of those of an *hypericum*. From a foliage point of view alone it is a very pretty climber, and, of course, additionally so when in bloom. A third species, *H. Readii*, forms a dense, twiggy bush, with yellow flowers about the size of a shilling.

Plumbago Rosea Superba.—A correct estimate of the value of this charming Indian shrub can be made when it is seen in flower, as in the greenhouse at Kew, with numerous other plants which bloom during the two dullest months of the year, for throughout the last few weeks it has presented a most attractive feature and readily commands a large share of attention from visitors. Its clear, rose-colored flowers are larger than those of the type, and they are carried in finer inflorescences. Whether grown in 5-inch or 6-inch pots, with several branches rising to a height of three feet or more, or as single stems, terminated with a large head of flowers, in 3-inch pots, they are equally pleasing, and are very effective when arranged with green foliage plants, Roman hyacinths or Paper-white narcissus. The larger plants may be obtained from cuttings rooted during spring, and single-stemmed plants from cuttings rooted in summer. Whoever is responsible for keeping a warm greenhouse or conservatory gay during winter would do well to make a note of this plant.

A Little-known Red *Salvia*.—I should like to recommend to your readers *Salvia Pittieri*. This seems a little-known plant which deserves to be much more generally cultivated. It is not hardy, but is less tender than *S. splendens* and much more easily grown. When planted out in May it soon makes large, bushy plants three feet high and as much across. The flowers are a beautiful blood red (not quite so scarlet as *S. splendens*), each flower as large as, or larger than, *S. patens*, and of the same shape and velvet-like consistency, forming spikes

of bloom from six inches to ten inches long. By the end of September the whole plant is a blaze of red, making a most effective and welcome bit of color thus late in the year. It is a plant which likes a good deal of moisture to its roots, but should be fully exposed to the sun, when it will retain its beauty until cut down by the frost. It is very easily propagated by cuttings.

Ardisia Olivieri.—The ardisias in general cultivation are remarkable more for the beauty of their fruits than for their blossoms. That at the head of this note is well worth consideration as a flowering plant, while the berries, which are, when ripe, of a shining black, are also noteworthy. It is a native of Costa Rica, and in this country requires the protection of a warm greenhouse or stove. The flowers, freely borne in clusters at the points of the shoots, are individually about one-half inch across, of a bright rose-pink color, with a light center, and remain in condition a considerable time. This ardisia forms a freely-branched evergreen shrub, that will soon attain an effective size. Cuttings of the young shoots are not at all difficult to strike if put into pots of sandy soil and placed in a close propagating case in the stove.

A Rose-Colored Pasque-Flower.—One of the most interesting hardy plants shown at the Royal Horticultural Society's exhibition was a rose pink flowered variety of the pasque-flower, *Anemone pulsatilla*. This plant is naturally variable, but hitherto its variations in color have been confined to shades of blue and white. The new-comer bore the rather cumbersome name of *Anemone pulsatilla rosea Mrs. Vanderelst*. It is practically identical with the type so far as habit and silkiness of foliage and flowers are concerned, but the color of the blossoms is, as already stated, a most pleasing shade of soft rose pink. We understand that it originated as a sport, but will now come almost, if not quite, true from seeds.

A Beautiful Stove Plant.—*Astrapea Wallichii* is a most elegant stove evergreen tree; it has often been described as being one of the finest plants introduced into this country, and when seen in flower it captivates the attention of all gardeners. Its native home is Madagascar, and it was introduced to this country about 1820. The color of the flowers on the true plant should be scarlet. In 1910 a seedling plant was sent to us from the Royal Horticultural Society's gardens; it was carefully grown on till it reached a height of

12 feet, and about the middle of December it began to flower. The color of the blossoms of this plant is rather a pale pink, and they are fragrant. It is very easy to grow, providing one has sufficient heat.

A Useful Greenhouse Begonia.—A charming effect is produced in the greenhouse at Kew at the present time by a large group of the Mexican Begonia *manicata*, and we cannot but wish that the plant found more general favor among people who are responsible for keeping greenhouses and conservatories gay at this time of the year. Belonging to the rhizomatous section of the genus, *B. manicata* is recognized by its large, handsome green foliage and upright, elegant panicles of pink flowers. On vigorous examples the inflorescences sometimes approach a height of 2½ feet, while those 1½ feet high are common. Arranged with foliage plants, or with hippeastrums as at Kew, the effect is very pleasing.

Winter Broccoli.—Rarely indeed has the visitor to the fortnightly meetings of the Royal Horticultural Society had an opportunity of inspecting so fine a group of winter broccolis as that staged by Messrs. Sutton and Sons, Reading. There were three notable varieties arranged on a spacious table. Basket after basket of the compactly-formed heads or curds demonstrated to what high excellence the culture of these greatly-esteemed winter vegetables has attained, yet, despite this, improvement by selection and otherwise is constantly going on. The three sorts staged were Snow White, Winter Mammoth and Sutton's Superb Early White, than which latter none could possibly be more beautiful or inviting.

Primula Knuthiana.—A new hardy species collected in the mountains of the Tai-pei-shan province of Shensi, North China, by W. Purdom when plant-hunting for James Veitch & Son. Its nearest ally is, to all appearances, the so-called *P. frondosa*, of which it is a glorified form. The species is obviously a variable one, the plants shown demonstrating this unmistakably in the size and coloring of the flowers. When more fully established, the plants may be expected to attain a much greater vigor than those now shown.

KINGSVILLE, TEX.—The Rio Grande Horticultural Society will hold its field day here May 4. The programme includes an auto ride to the celebrated orchards and vineyards, a dinner at the Commercial club and discussions at the Opera house.

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U S Budlong's E Blue Ribbon Valley.

Rochester, N. Y.

The large plate glass window of H. P. Neun was blown out the other day by a severe gust of wind, but was quickly replaced.

The florists had many orders for bouquets for the presentation of "Patience" by local talent.

J. Berg of Schloss Bros. called on the trade this week.

Miss Ethel Phillips is now with H. E. Wilson. H. J. H.

CEDAR RAPIDS, IOWA.—The Easter business was much greater, at least 50 per cent increase, says Grant Newport. All plants in bloom were in good demand and fancy potted plants sold well at fancy prices. The supply of some plants was adequate but of others there was not enough and the lilies were very short-stemmed. Carnations sold much better than roses, the sales being 50 per cent larger. The prices were about the same as last year.

J. A. BUDLONG

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CHICAGO, MBy 1.	Per doz.
Roses, Beauty, speciale.....	3 50@4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 24-in.....	1 50@2 00
" " 15-20-in.....	1 25
" " 12-in.....	1 00
" " Short.....	4 00@ 6 00
" Killarney.....	2 00@ 8 00
" White Killarney.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" Prince de Bulgaris.....	6 00@12 00
" Mrs. Aaron Ward.....	6 00@12 00
" My Maryland.....	2 00@ 8 00
" Perle.....	2 00@ 8 00
" Melody.....	6 00@12 00
" Bride.....	2 00@ 8 00
" Bridesmaid.....	2 00@ 8 00
" Uncle John.....	2 00@ 6 00
" Mrs. Jardine.....	4 00@ 8 00
Carnations.....	1 50@ 3 00
Cattelyas..... per doz.,	6 00@ 7 50
Dendrobium Nobile.....	10 00@12 50
Gardenias.....	2 00@ 3 00
Lilium Harriahi..... per doz.,	1 50 6 00@10 00
Callas..... per doz.,	1 50@2 00
Mignonette.....	4 00
Spanish Iris.....	4 00@ 5 00
Sweet Peas.....	50@ 75
Pansies.....	1 00
Tulips.....	2 00@ 3 00
Valley.....	3 00@ 4 00
Violets, Single.....	75@ 1 00
" Double.....	75
Adiantum Croweanum.....	1 00
Boxwood..... per bunch,	25
Ferns..... per 1000,	2 50@3 50
Galax bronze.....	1 25
Leucothoe.....	75
Plumosa String..... each,	60
Smilax..... per doz.,	2 50@ 3 00
Sprengeri, Plumosa Spraya.....	3 00@ 4 00

EAST BRIDGEWATER, MASS.—J. K. Alexander of this place, addressed the Old Colony Pomona Grange on "Dahlia Growing" at the meeting held at Attleboro.

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White and Pink Killarney and Richmond
 Roses. Red, White and Pink Carna-
 tions. Callas, Sweet Peas, and
 Greens of all kinds.

W. E. Trimble Greenhouse Co.
 Princeton, Ill.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio

Cincinnati.

A GREAT OVERSUPPLY.

The month just passed was absolutely the worst April that this market has known in many years. Never before has the supply been so much larger than the demand. It is rare in this market for really choice stock not to bring some fair price, and be entirely taken up. Many times during the month just closed the choicest stock hardly moved at any price. Buyers would not even set their own figures, saying simply: "What's the use? I can't use them." Last year the very opposite was the rule; after Easter business was glorious. The demand quickly took up the entire good supply and ruling prices in most lines were easily double those of this year's and in some instances more. At that time, too, rushing business kept up from Easter to the first of July. Business should again pick up before long. The recital season is just beginning and commencement season will be again with us before long. The June weddings should also bring up the demand. Combined with these prospects, the quantity of the offerings has been decreased. The dumped shipments have almost stopped and local cuts are getting back to the point where if there is any fair amount of business at all they will clean up nicely. The start of this week's business was fair and the market is in a tolerably good condition. Plenty of good stock is offered and for the first days of the week most all of it was taken up. It is hard, however, to tell what the close will bring. On other weeks the end has shown a large accumulation and this week will hardly, judging from present indications, prove different. A bright feature of this past week has been the increase in cut of choice American Beauty roses. Easter lilies and callas are selling as low as \$3 a hundred and many are being dumped. The first-class retailers are maintaining their price on lilies from \$2.50 to \$5 a dozen, while many of the cheap sale stores are selling them as low as \$1 a dozen.

NOTES.

One new flower store has been opened and another will open in the near future. The first is that of Andrew Buchner at 2823 Vine street in Corryville, and the other by Mrs. Thadden, near Peebles corner, in Walnut Hills. The latter bought out most of the floral fixtures and supplies of the Shop Perfect receivers' sale.

Harrie B. McCullough, while returning from the south, where he and his wife and family have been for some time past, was injured in a wreck on the Southern railway near Crittenden, Ky., Monday morning.

P. J. Olinger was in New Castle, Ind., for a few days last week. Mr. Olinger says that the condition of his plant is very satisfactory to him.

Gus Adrian has in his greenhouses at Clifton a choice lot of bedding stock which he will dispose of in a hurry when the season opens properly.

Burglars visited Henry Schwarz's greenhouses in South Norwood last week, but took little of value.

C. E. Critchell reports that he is having a good call for metal wreaths for Memorial day business.

Visitor: Bob. Newcomb, representing Vaughan's Seed Store, Chicago.

H.

Wholesale Flower Markets

CINCINNATI, May 1.

Roses, Beauty.....per doz.,	50@ 4 00
"	Per 100
" Bride, Bridesmaid.....	2 00@ 8 00
" Killarney.....	2 30@ 8 00
" My Maryland.....	2 00@ 8 00
" Perle.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" Taft.....	2 00@ 8 00
Carnations.....	2 00
Lilium Gigantum.....	8 00@10 00
Callas.....	8 00@10 00
Gladioli.....	8 00@10 00
Iris.....	3 00@ 4 00
Jonquills.....	2 00
Lily of the Valley.....	3 00
Sweet Peas.....	25@ 35
Tulips.....	2 00@ 3 00
Adiantum.....	1 00
Asparagus Plumosus....per bunch,	25
Asparagus Sprengerl....per bunch,	25

St. Louis, May 1.

Roses, Beauty, medium stems....	25 00@30 00
" short stems.....	2 00@ 4 00
" Bride, Bridesmaid.....	3 00@ 4 00
" Killarney.....	3 00@ 6 00
" My Maryland.....	3 00@ 6 00
" White Killarney.....	2 00@ 6 00
Carnations.....	1 50@ 2 00
Callas.....	10 00@12 50
Easter Lilies.....	10 00
Peas.....	40@ 60
Valley.....	3 00@ 4 00
Violets, Single.....	35@ 50
Asparagus Sprengerl....	2 00@ 3 00

Cleveland.

BOOMING MOTHERS' DAY.

Business is again back to a good sound basis, the demand being all that can be desired, and stock is cleaning up nicely, with receipts decreasing in some lines. The demand for color is far and away ahead of light shades, and red carnations and Richmond roses have cleaned up daily. Sweet peas of the better grades and pansies are having a good demand. Lily of the valley is good, with a good call. Snapdragon, mignonette, lupines, daisies, calendulas and orchids find ready sale. American Beauties, long-stemmed are arriving daily and also plenty of shorter stock, with good flowers. Mrs. Aaron Ward, Richmond, Killarney, White Killarney and My Maryland roses, are all in fine shape with plenty of stock for all requirements. Smilax of good quality is now being received and adiantum is in good demand as in fact are all other greens. Callas and Easter lilies move slowly. Violets are but in little request and swainsonia, although plentiful, is not much in demand. The outside bulbous flowers are now coming in, as well as iris of all colors. The late spring is causing much discussion as to whether peonies will be in for Memorial day, most growers claiming there will be very little outdoor stock on the market. Mothers' day is to be freely advertised in this city and it is hoped that all the retailers will respond and help the advertising committee both financially and otherwise in boosting "Mother's day," May 12. C. F. B.

CHICOPEE FALLS, MASS.—Frank Burfitt is building an additional greenhouse 27x125 feet for the cultivation of carnations and chrysanthemums.

FISHKILL-ON-HUDSON, N. Y.—President Benjamin Hammond of the district board of education has issued an appeal to the citizens in the daily press informing them of the needs of the schools in the district.

—THE—

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Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

St. Louis.

THE GLUT DISAPPEARING.

The glut has somewhat decreased but the supply is still sufficient. Outdoor lilacs have arrived and are selling well. Violets have passed and sweet peas are daily showing shorter stems and poorer quality. Carnations also are deteriorating and show the effects of the warmer weather. It has been very rainy accompanied with high wind which has delayed outside work, and the growers are waiting for dryer weather.

NOTES.

There has been a specially fine display of tulips of many varieties this week at the Shaw Garden.

The Florists' Dance committee reports progress and the sale of tickets for May 8 has been large.

Wm. C. Smith Wholesale Floral Co. have a great stock of supplies and their cut flowers are grown exclusively by home growers.

C. A. Kuehn's stock is exceptionally fine and he is daily adding to his consignors.

George H. Angermuller is showing a fine stock of outdoor daffodils and jonquils.

M. Valentine of Kirkwood is bringing some good sweet peas to the market.

H. G. Berning has an immense supply of everything in the cut flower line.

Morris H. Levine, with Lion & Co. of New York, was in the city last week.

C. Young & Sons Co. made a fine window display of blooming plants.

Several trees in the parks were blown down by the storm last Thursday.

Edwin Denker of St. Charles, Mo., is a frequent visitor to the market.

W. F.

Boston.

MARCH WEATHER IN APRIL.

Wet, cold weather has been our lot this month. April has borrowed from March this year and continued unsettled weather has interfered with the early building operations. Some are thus early predicting a shortage of flowers for Memorial day, but that is an annual song. Business at the end is better than at the first part of the week. Carnations are selling well, roses, although not overstocked, are lower, gardenias are not wanted, sweet peas are not over plentiful, and what there is are exceptionally good, and bringing good prices. The pink variety of lupines is seen, if the flower had a perfume it might sell better. The early plant trade is beginning to assert itself, bedding plants are seen. May flowers have been for sale on the streets for the past week. Mignonette is a drug. Lilac does not take, the people want this flower about Memorial day. We noticed a large shipment of pink and white, with no buyers. President Carnot roses are not enjoying their former popularity.

NOTES.

A corporation has been formed in Montreal under the laws of Canada, to do a commission business in that city, under the name of the Montreal Floral Co., Ltd. P. Welch of Boston is the treasurer. Monday, April 29, was the opening day and with only one wholesale commission store in a city of 600,000 people, it seems at the start to spell success. It will concentrate the cut of the Canadian growers, and open avenues of trade hitherto unknown.

GUST. RUSCH & CO.

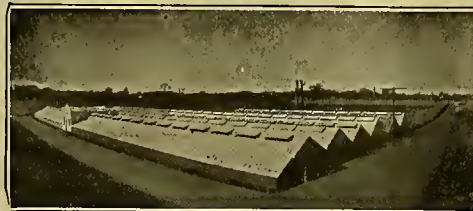


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C. C. POLLWORTH CO., Milwaukee, Wis.**

Wholesale Flower Markets

MILWAUKEE, May 1.

Roses, Beauty..per doz., 1 00@	4 00
.. Killarney	2 00@ 8 00
.. Richmond	2 00@ 8 00
.. White Killarney	2 00@ 8 00
Carnations	1 00@ 3 00
Lilium Gigantum	4 00@ 8 00
Lily of the Valley	3 00
Daffodils	3 00
Poeticus	2 00
Sweet Peas	50@ 1 00
Tulips, Single	3 00
.. Double	4 00
Violets	50@ 75
Adiantum	1 50
Asparagus.....per string,	50
.. Sprengerl, per bunch,	35@ 50
Ferns, Fancy	2 50
Galax, green.....per 1000,	1 50
.. bronze.....per 1000,	1 50
Boxwood....per bunch.....	25

The store is at 123 Mansfield street and will be in charge of a manager, and has been thoroughly equipped with ice-chests, etc., to do a first-class business. P. Welch is enthusiastic over the project. We hear the calamity howlers, the tariff hot air men, and the bunco politicians fight at long range on reciprocity, but this has been carried quietly through and American capital has been put into Canada to enlarge and develop a business that many think is in its infancy. Who knows but some enterprising Yankee may go to the North Pole and open a swell store and show the Eskimo bride how to carry a wedding bouquet, and pin orange blossoms on her veil. Talk is cheap, but it takes brains to do business properly.

At present we are in the center of a political struggle. The old days of Downybrook fair was nothing to it. Let us hope it will soon be over, and business settle down again to its normal condition. It seems funny that men

Seattle Cut Flower Exchange

Removed to
1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers, Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr
Mention the American Florist when writing

RICE BROTHERS

**Wholesalers of Cut Flowers
and Florists' Supplies.**

Minneapolis, Minn.

Mention the American Florist when writing

of national fame should call each other liars, upset business and try to make people believe what they themselves do not believe. We are thankful the north-west wind has carried some of the hot air out to sea to melt the icebergs.

The call of the old home and the sound of the ocean has again got David Welch to take passage to Europe in June for rest and recuperation. We ourselves hope to have a call some day and taste the pleasures of seasickness.

N. A. Hudson of Natick is a successful grower of marguerites, his salesman sells the well-grown stock readily.

We noticed at Welch Bros. some well grown Killarney from the F. R. Matheson place at Waltham. MAC.

NORTHPORT, N. Y.—Arthur Crockroft has contracted with the Lord & Burnham Co. for the erection of three houses 35x200 feet and one house 20x125 feet of pipe frame ridge and furrow construction.

Dagger Ferns, per 1000, \$2.00 **500 Fancy Carnations, \$12.50**

Good, clean stock—no waste. The Best Ferns we ever handled. Special price in case lots.

Our selection of colors, such varieties best suited for shipping. Big value.

THE LEO NIESSEN CO.,

Wholesale Florists,

12th and Race St., PHILADELPHIA, PA.

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock. WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000. Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other reasonable stock.

Philadelphia.

AN ABUNDANCE OF STOCK.

There are large quantities of flowers, particularly roses, now being placed on the market, for which there is little demand. Snapdragon is another flower that helps overstock. Easter lilies are in the same class and there is a general fullness along the line. My Maryland roses are looking up as the warmer weather appears to suit them, and while Killarney is weakening and losing in size and form, My Maryland is holding its own or getting better. Carnations are still in good shape, but losing their bright colors. The demand for this flower for Mothers' day promises to be as strong as ever, as orders are being booked even now. There is a fair demand for lily of the valley. Orchids are in seasonable demand, as are also gardenias, which, while plentiful, bring a fair price. There have been plenty of local Emperor narcissus, which have been in good demand, the cool weather of the past week keeping them in good condition. There has been a good sale for blossoms of apple, peach, cherry and other fruit and flowering trees. The first dogwood arrived from the south and made quite a hit. There have been several important weddings, at which there was considerable decorative work. J. J. Habermehl's Sons had the decorations for the Grant anniversary dinner at the Union League. The electric light effects were also placed by their own force, and altogether the effect was very fine.

NOTES.

Mr. Feursterberg has given up his first love, the Floral Exchange greenhouses at Edgely, Pa. He is a pioneer in economical greenhouse building, and it was here that the first large rose house, 52x300 feet, was erected. Rose growers from all over the country came to look at it, and most all agreed that it would not stand the strong winds nor the heavy snows; that it could not be heated properly, and found other objections, such as difficulty of painting or repair work over such a large glass area. A year's experience, however, showed them that their fears were mostly groundless, and the economies of space and labor-saving became so evident that all large growers soon had houses up that made this look very small by comparison. The Floral Nurseries Co. have purchased the greenhouses and will continue the business under the management of Albert Arnold. The superintendent, Harry Simpson, who has been so successful, will remain. We believe another innovation, that of pumping the condensed steam back to the boiler instead of having it return by gravity, was first successfully demonstrated here and is now almost universally used in all new systems of greenhouse heating. Mr. Feursterberg will devote

Wholesale Flower Markets

PHILADELPHIA, May 1.		Per 100
Roses, Beauty, extra.	.....	20 00@25 00
" " first	.....	8 00@12 00
" " Brides and Maids	.....	4 00@10 00
" " Killarney	.....	4 00@15 00
" " White Killarney	.....	4 00@15 00
" " Liberty	.....	4 00@15 00
Callas	.....	10 00@12 00
Cattleyas	.....	35 00@50 00
Daffodils	.....	2 00@ 3 00
Gardenias..... per doz.	1 00@2 00	
Lilium Harrlei	.....	8 00@10 00
Lily of the Valley	.....	3 00@ 5 00
Marguerites	.....	75 @ 1 00
Mignonette	.....	3 00@ 4 00
Snapdragons	.....	8 00@12 00
Sweet Peas	.....	5 00@ 1 00
Tulips	.....	2 00@ 3 00
Violets, single	.....	75 @ 1 00
" " double	.....	75 @ 1 00
Adiantum	.....	1 00@ 1 50
Asparagus..... per bunch	50	
Smilax	.....	15 00@20 00
BOSTON, May 1.		Per 100
Roses, Beauty, best	.....	20 00@35 00
" " medium	.....	12 00@25 00
" " culls	.....	2 00@ 4 00
" " Bride, Bride- maid	.....	2 00@ 6 00
" " Extra	.....	6 00@12 00
" " Killarney and Richmond	.....	4 00@12 00
" " My Maryland	.....	4 00@12 00
" " Carnol	.....	6 00@12 00
Carostions, select	.....	1 00@ 3 00
Callas	.....	8 00@12 00
Cattleyas	.....	35 00@50 00
Gardenias	.....	12 00@20 00
Lilium Longiflorum	.....	8 00@12 00
Lily of the Valley	.....	2 00@ 4 00
Mignonette	.....	3 00@ 6 00
Narcissus, yellow	.....	1 00@ 3 00
" " white	.....	1 00@ 3 00
Sweet Peas	.....	1 00@ 1 50
Smilax	.....	12 00@16 00
Snapdragon	.....	6 00@ 8 00
Violets	.....	35 @ 75

his attention to the greenhouses at North Wales, where the two largest greenhouse structures are turning out huge crops of high grade stocks.

At a special meeting of the Florists' Club of Philadelphia, held on April 24, to take action upon the death of their fellow member, Moses Rice, the following resolutions were adopted:

We, the members of the Florists' Club of Philadelphia, having heard with deep regret of the death of our fellow member, Moses Rice, be it

Resolved: That he, having been a very active member in the early history of the club and taking a great interest in its welfare, and,

Resolved: That we express our great sorrow at his having been taken from us. He will be greatly missed, not only in the club, but also by the trade in general; and be it further

Whereas: He had greatly endeared himself to us by his genial disposition and upright character, be it further

Resolved: That these resolutions be spread upon the minutes and a copy sent to the family.

DAVID RUST,
ROBERT KIPT,
JOHN WESTCOTT,
Committee.

The untimely death of Fred Ehret was sad news to his many friends of the craft. He was a genial, kindly man, a large buyer and successful business man who will certainly be missed by his business associates.

E. R. Martin of the Tustin Floral Co., who is in the German hospital recovering from an operation for appendicitis, is getting on nicely, and it is hoped will soon be able to be about again.

John Cleary of New York auctioned off an importation of bay trees in this city for the Philadelphia Auction Co. They brought fair prices.

Edward Reid is on the sick list and has gone south for a brief rest.

K.

Pittsburg.

STOCK SELLING WELL.

A good demand coupled with a decidedly scarce crop of carnations kept the boards clean of these flowers the entire week, and on Saturday almost all the flowers cleaned up nearly as well. Sweet peas are in very good demand, and violets still sell. Inside lilac is done, and outside stock is not far away. Quantities of outside daffodils and tulips are brought in by the country people.

NOTES.

The warm weather is bringing out a little baseball talk, and we look for the florists' teams to soon get at it. Last year the A. W. Smith Co., The E. C. Ludwig Floral Co., Randolph & McClements, The Zieger Co., The McCalum Co., and The Pittsburgh Cut Flower Co., all had teams in the field, and we hope to see a few more teams line up this season.

Mrs. E. A. Williams made a very fine display of uncut Kaiser Kroon tulips, which gave passerbys a change from the usual made up baskets, specimen plants, etc.

The South Hill Floral Co., is the name under which the new purchasers are running the old South View Floral Co.

I. Rosnosky of Henry F. Michell Co., Philadelphia, spent several days among the florists.

Nick and John Harris spent several days in New York this week.

J.

BALTIMORE, MD.—The schedule of the Maryland Horticultural Society for the annual exhibition to be held at Baltimore November 18-23, offers premiums for decorative and flowering plants; roses, carnations, chrysanthemums and other cut flowers and floral designs. A copy may be obtained by addressing the secretary, T. E. Symons, College Park, Md.

NEW BRUNSWICK, N. J.—Lord & Burnham Co. are building a greenhouse for R. W. Johnson, 18x50 feet.

Rochester, N. Y.

The past week's trade was about the same as last, with plenty of good stock on hand. Carnations on the whole are fairly plentiful, and of good quality, although the prices have dropped slightly since our last report. Roses are also plentiful and hundreds were sold on the street Saturday, among them being quite a lot of Marechal Niel. Violets have been of fair quality, considering the lateness of the season, but last Saturday brought our last shipment. Sweet peas are good and are coming along in fine shape, it seems as if greater care was being taken with them this season. Several of the growers adding a few spray of adiantum, which greatly improves them. Easter lilies are in shorter supply. Some especially fine snupdragon is coming in from an out-of-town grower, which finds ready customers. Large quantities are being used for decorations. Smilax is still scarce and very little can be obtained.

NOTES.

At the last meeting of the Florists' Association it was voted to invite the Syracuse Rose Society and Syracuse Florists' Association to visit Highland Park during the lilac season, about May 20. President John Dunbar has appointed the following to act as the entertainment committee: E. T. Wilson, chairman, George B. Hart, F. W. Vick, W. L. Keller, E. R. Fry, with the secretary H. B. Stringer. The ladies have also been invited to accompany the visitors as the guests of the Ladies' Society of the body.

John Dunbar of the Park Board says that they have started to plant shrubs and trees in the Exposition park. The planting is under the supervision of the Park Board, but the funds come from the Exposition Park Board. The planting of evergreens and shrubs has also been commenced at the Durand-Eastman park. Work is well under way at the Cobb's-Hill park, where 2,000 evergreens will be planted.

George T. Boucher has a good display of fancy pelargoniums in his window. Last week was especially heavy with funeral work, many large pieces were made for the Stecker funeral.

J. B. Keller's Sons have a very artistic window display this week, consisting of green moss, with marguerites, and in the center pink rambler roses. The effect is fine.

Mrs. H. E. Wilson had the misfortune to sprain her ankle the other day as she was descending some steps. We learn that she is improving.

H. E. Wilson is still cutting some fine bulbous flowers, including jenuils, tulips, hyacinths. He finds the potted bulbs very ready sellers.

Miss Rosetta Brown had a picture postal card shower last week, when something like 30 cards were received.

The new conservatory at Highland park is attracting large crowds to see the immense display of spring flowers.

E. R. Fry reports good business. the spring bedding plants are in fine shape and ready for the customers.

Miss Lillian Wheeler has returned to work again, after two weeks' sickness with tonsillitis. H. J. H.

Baltimore.

SPRING WEATHER.

April showers bring May flowers and truly we have had a week of showers. The country is beautiful, lawns like velvet, little tender green leaves bursting out of the maples, fruit trees full of bloom and the flowering shrub and trees are a mass of yellow and white flowers. Weddings have been numerous and many flowers have been used for those functions. Lily of the valley is the favorite for the bride's bouquet with the addition of garden-

Wholesale Flower Markets

BUFFALO, May 1.		Per 100
Roses, Beauty, special.	25	00@30 00
" " Isacy	20	00@25 00
" " extra	12	00@15 00
" " No. 1.	8	00@10 00
" " No. 2.	3	00@5 00
Bon Silene	2	50@3 00
Perle	5	00@8 00
Maid and Bride	3	00@6 00
Pink Killarney	3	00@8 00
White Killarney	3	00@8 00
Richmond	5	00@10 00
My Maryland	3	00@8 00
Carnations	1	00@2 50
Callas	8	00@10 00
Daffodils	2	00@3 00
Daffodils, Single	2	00@3 00
Lilium Longiflorum	8	00@10 51
Lily of the Valley	3	00@4 00
Mignonette	3	00@4 00
Myosotis	15c to 35c	per bunch
Narcissus Paper White	2	00@3 00
Romana	2	00@3 00
Sweet Peas	50	@1 00
Tulips, Yellow and White	2	00@3 00
Violets	40	@60
Adiantum Croweanum	75	@1 50
Asparagus, per bunch	35	@50
Asparagus Sprengerii	35	@50

PITTSBURGH, May 1.		Per 100.
Roses, Beauty, special.	25	00
" " extra	12	00@25 00
" " No. 1.	6	00@10 00
" " Bride, Bridesmaid	2	00@4 00
" " Chateau	2	00@4 00
" " Killarney	2	00@4 00
" " My Maryland	2	00@4 00
" " Richmond	2	00@4 00
Carnations	1	50@2 00
Cattleyas		50 00
Lilium Longiflorum	10	00@12 00
Lily of the Valley		4 00
Oncidiums	3	00@4 00
Sweet Peas		50
Violets, single		25
" double		50
Adiantum		1 00
Asparagus Sprengerii, per bunch	35	
sprays ..per bunch	35	

ias. Some of course prefer the Bride roses, while the attendants use quantities of sweet peas and Killarney roses. We noticed one wedding where quantities of yellow daisies were used. The color scheme being yellow and white. Violets are still with us, but scarce. Everything else seems plentiful. Prices have dropped and business has resumed normal conditions again. Easter is a thing of the past and Memorial day will be next to create a demand for flowers. The flower market has not been rushed this week, but still a fair business has kept things moving.

NOTES.

Arbor Day was observed in the schools as it has been since 1894. Trees were planted at the Eastern and Western High schools and elementary schools, also talks on trees. Discussions on the need of trees in relation to the water supply of the state, the speakers being F. W. Besley, state forester and B. H. Crocherson of the Agricultural High School, Sparks, Md.

There will be considerable greenhouse building this year. James Hamilton, Mt. Washington, will erect a house 40x200 feet for roses; B. S. Merritt, Grange, a house 54x100 feet for American Beauty roses; Hans Anderson, Towson, two houses 30x80 feet. Lehr Bros. and Lohr & Fritz are both planning to build new houses.

The garden committee of the Women's Civic League proposes to hold a flower market May 9 at Monument place, similar to the one that was such a pleasant incident last spring.

E. L. Newton has started a florist establishment on Bloomingdale road. W. J. Hannigan has established a florist business at Pikesville. E.

THOMPSONVILLE, CONN.—The Brainard Floral & Nursery Co. have purchased the farm adjoining their present plant.



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my speciality.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Minneapolis, Minn.

All the growers claim to have had a very satisfactory Easter, and the retailers all did well. There was an abundance of lilies, but the cheap competition of the department and grocery stores, was in the opinion of many detrimental to the business. Stock at present is not as plentiful as it should be, the carnations being generally off crop. Bedding stock looks well, and with good weather there is no reason why all should not enjoy a prosperous spring trade.

NOTES.

At a meeting of the Minnesota State Florists' Association held at the Minneapolis Park Board greenhouses, April 17, in discussing the Easter trade there was much controversy over the practice of the growers selling their stock to outside stores, which sold lilies at 15 cents and even 10 cents per flower, many retailers claiming that it injured their business. L.

WORCESTER, MASS.—The weather was very fine for the deliveries and good stock was in abundance, reports H. F. A. Lange, and the business increased about 25 per cent. Regular prices prevailed and lilies were the plants most in demand but all plants sold well. Cut bulbous flowers, carnations, violets and roses all had a good call, but violets were scarce; with this exception stock was adequate. Some of the lilies were short but the people have become accustomed to these and they like them better than the tall ones.

New York.

A MORE ENCOURAGING OUTLOOK.

Last week was very much more encouraging in the wholesale market, there was a brisk demand all along the line. Prices while not advancing to any extent, were better than they have been. American Beauties of the best quality have been doing very well and Ulrich Brunners are also selling better, while moss roses meet with ready sale. Mme. Chatenay, Lady Hillingdon, Radiance, Mrs. Aaron Ward are all doing better and Richmonds are not so plentiful. There is a great supply of Killarney, Brides and Bridesmaids which do not sell as well as the other varieties, but the supply of roses of all varieties has increased very much. Carnations are doing somewhat better, the best quality are not so plentiful and the prices have advanced. The prices on orchids remain stationary, but there has been a great call for these during the week for funeral work and the supply which had been accumulating for several days has been reduced considerably. Only the finest gardenias meet with ready sale, all of the poorer grades and short-stemmed flowers have to be disposed of to the street men. Sweet peas are of only fair quality and it is only the very best that are realizing good prices. Lilies are plentiful and the prices low and it is the same with callas. The violets that are coming in are not worth quoting. Lily of the valley, daffodils and tulips are more plentiful and the demand for these has been firmer. Good smilax is scarce and the best asparagus is also in limited supply.

NOTES.

The local governing board of the National Flower Show committee are still holding weekly meetings and are much pleased with the progress already made. They would be glad to hear from any retailer, seedsman, grower or dealer with any suggestions as to what would be an attractive feature and would be glad to receive special prizes to be awarded as the donor desires. Sub-committees have been appointed to interview the members of different branches of the trade, but they desire that no one shall feel slighted, in case they are overlooked.

Jonathan Nash reported that the Bedford Hills Nurseries are being completely overhauled and with an early start they expect to have a full supply of all novelties in roses the coming season and every effort will be made to have the output from this large place in keeping with the quality of stock that Moore, Hentz & Nash have been receiving in the past.

Philip F. Kessler, although in the midst of a very busy season, is devoting a lot of time to the next annual outing of the New York Florists' Club. Mr. Kessler is chairman of the Outing committee and promises new features that are bound to make this affair the most successful in the history of the club.

Mrs. A. M. Henshaw is slowly recovering from the operation which she underwent for appendicitis last week. Mr. Henshaw has purchased a building site at South Orange, N. J., where he will erect a bungalow and make his summer home.

Mrs. Eccles, wife of Wm. Eccles, Oyster Bay, L. I., died on April 19 and was buried on the Monday following. Several members of the New York Florists' Club of which Mr. Eccles was a member attended the services.

W. H. Siebrecht of Astoria, L. I., is making heavy shipments of bulbous stock to Badgley, Reidel & Meyer. This stock is of the usual very fine quality that comes from this place.

The sales at the auction rooms have been very successful during the past

IMPORTERS

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A large stock of Bay Trees, Boxwoods, Rhododendrons, Azaleas, Roses, Evergreens, Climbing, Vines, etc., on sale at our new William Street Show and Salesroom. Inspection invited.

P. H. GOODSSELL W. E. MAYNARD

200 Broadway, NEW YORK CITY

Manager Sales Department
157-159 William St. (Basement)

two weeks. The McNiff Horticultural Co. at 62 Vesey street are badly cramped for room to accommodate their customers on sales days.

V. Zuber & Sons, Woodside, L. I., are consigning their shipments of Ulrich Brunners to Alex. J. Guttman.

The bowling scores Friday night were as follows:

Manda	148	199	154	174
Scott	135	156	121	...
Kakuda	139	130	156	168
Proton	176	202	151	143
Chadwick	203	167	146	208
Nugent	145	...	...	...

Visitors: Wm. Jurgens, Newport, R. I.; J. T. Butterworth, So. Framingham, Mass.; George Thompson, Edw. Norman, Lenox, Mass. Y.

Washington

A SATISFACTORY BUSINESS.

Although much stock is selling cheap, there is a healthy movement and dealers seem fairly well satisfied. This week will about clean up the lilac and other spring blossoms of its class and roses, carnations and sweet peas, will for a time be standbys. American Beauty roses are now rather plentiful and wholesale shipments have recently been made to neighboring cities. Carnations are holding out well, but there is no great surplus and the probabilities are that wholesale prices will be somewhat higher in a week or two. Some excellent carnation stock has recently been received here from northern points. The past two weeks have been favorable for outdoor work and most of the young carnation stock has been planted in the fields. Sweet peas sown about a month ago, are now making good growth.

NOTES.

F. H. Kramer, who is very enterprising, had a number of the surviving sailors of the Titanic sell grapevines in his store, April 29, and the entire proceeds were given to the sailors. The sale was managed by Mrs. DuBois of Mr. Kramer's staff. These sailors, it may be added in explanation, are here under subpoenas of the senate committee investigating the disaster. Some of them have families in England who are depending on them for support and they deserve any assistance given them. The Imperial theatre in which Mr. Kramer is interested has also given the sailors a benefit.

George H. Cooke executed an elaborate wreath April 28, to be placed on Washington's tomb at Mt. Vernon. The wreath was very large, of magnolia leaves, American Beauty roses and other flowers and was ordered by the delegation of French notables which has come to this country to present as a gift from the people of France to the people of the United States, the bust of "La France," by Anguste Rodin. It has become a custom for the representatives of foreign governments, visiting the national capitol

EXPORTERS.

on special missions, to place a wreath on the tomb of Washington.

Frederick J. Crittenden, who at various times within the past few years had been a salesman for Alex. B. Garden in the Centre Market, died April 27 of typhoid pneumonia. He was about forty-five years old and leaves a large family. Though not a florist, he had a good general knowledge of commercial stock, sufficient to make him a good salesman. He was also genial and obliging and his death is deeply regretted by many who knew him.

J. H. Small & Sons decorated for the wedding of Miss Amy Richardson, daughter of Dr. and Mrs. Charles W. Richardson, to Ensign William Dwight Chandler, Jr., U. S. N. The bride is a niece of John H. Small of this city and Charles A. Small of New York; the groom is a grandson of Hon. William E. Chandler, a former United States senator from New Hampshire, and once secretary of the navy.

There were quite a number of weddings during the past week, several of which called for fine decorations. Notable among them was the Fletcher-Kemp wedding for which Z. D. Blackstone executed elaborate decorations, both at the church and at Rancher's where the reception was held.

Gude Bros. Co. sent 300 American Beauty roses to Philadelphia, April 27, to be used in an elaborate decoration at the Union League Club.

Arthur Garden has a fine stock of geraniums, well flowered, which are selling fast.

W. W. Kimmell has been sick.

Elmer Mayberry is improving.

A. F. F.

Albany, N. Y.

NOTES.

George H. Burgess, chief engineer of the Delaware & Hudson railroad, has announced that the company hereafter will not use plants in the beds surrounding the stations on the line. Men are at work planting shrubbery to take the place of the plants. Mr. Burgess said that hereafter shrubs and lawns will take the place of the flowers during the season. It was said that the move to plant shrubbery was in the line of economy, but Mr. Burgess denied this and said that the same number of men will be employed to take care of the station grounds as formerly.

Announcement is made that Arnold Brunner has been named by the city officials as municipal planner. Mr. Brunner has done some important work for Chicago, Washington, Cleveland, and Grand Rapids in the line of city improvement. He will act in an advisory capacity in connection with the department of public works. The common council has appropriated \$5,000 to pay for Mr. Brunner's services and for any public hearings that may be required in connection with the carrying out of his suggestions. R. D.

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 Everything in Cut Flowers.
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 Telephone, 3559 Madison Square.
 54 West 28th St. NEW YORK
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 106 W. 28th Street, NEW YORK
 Phones, 167 and 4468 Madison Square Open 6 a. m. Daily
 Growers desiring top market price for their flowers should give me a trial.

N. Lecakes & Co., Inc.
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 Our Specialties—Ferns, Galax
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 cess Pines and Laurel Roping.
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 49 West 28th Street New York City

Paul Meconi
 Wholesale Florist
 55-57 West 26th Street
 NEW YORK CITY
 Telephone: 3864 Madison Square
 Mention the American Florist when writing

Wholesale Flower Markets

	NEW YORK, May 1.	Per 100
Roses, Beauty, special.....	15	30@35 00
" " extra and fancy...	8	00@15 00
" " No. 1 and No. 2.....	2	00@6 00
" Bride, Bridemaid, special.	4	00@5 00
" " extra and fancy.....	2	00@3 00
" " No. 1 and No. 2.....	1	00@1 50
" Killarney, My Maryland..	4	00@6 00
" " extra and fancy.....	2	00@3 00
" " No. 1 and No. 2.....	1	00@1 50
" " Richmond.....	1	50@6 00
Carnations.....	1	00@4 00
Cattleyas.....	20	00@60 00
Gardenias.....	2	00@15 00
Lilies, Longiflorum and Harriaii..	2	00@4 00
Lily of the Valley.....	2	00@4 00
Sweet Peas.. per doz, bunches, 25@	75	
Violets.....	100	40
Adiantum Croweanum.....	50	1 00

Moore, Hentz & Nash,
 WHOLESALE COMMISSION FLORISTS
 55 and 57 West 26th Street,
 Telephone No. 756
 Madison Square. NEW YORK

WM. A. KESSLER
 Successor to Kessler Bros.
 113 W. 28th St NEW YORK.
 CUT FLOWERS
 WHOLESALE PLANTSMEN AND FLORISTS
 Phone 2336 Madison. Shipments Everywhere
 Prompt and satisfactory. Consignments solicited
 Mention the American Florist when writing

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The Kervan Company
 FRESH CUT EVERGREENS
 and Mosses, Decorating Material for Florist
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 Telephone 3870-3871 Madison Square
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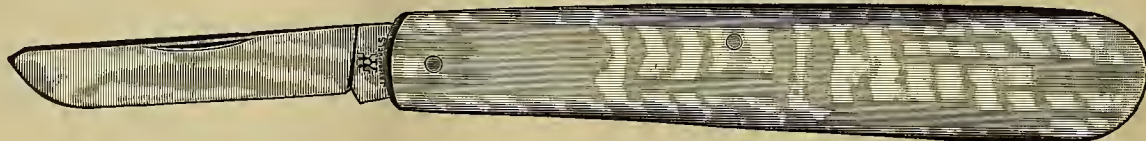
HORACE E. FROMENT
 WHOLESALE COMMISSION
 American Beauty Roses a specialty, Roses,
 Violets, Carnations, Valley, Lillies, Etc.
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Walter F. Sheridan
 WHOLESALE FLORIST,
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1888 1911
GUNTHER BROS.
 Wholesale Florists
 110 West 26th Street, NEW YORK
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 CONSIGNMENTS SOLICITED

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employes. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employes) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

Northern Indiana Florists' Association.

The Northern Indiana Florists' Association held a very interesting meeting at Kokomo, April 17. A large number of members attended and some important business was transacted. One of the leading features was the exhibits which were extremely good, W. Frank & Sons, Portland, showing large vases of Richmond, White Killarney and Killarney roses which would have done credit to them at the National Rose Show. In carnations, they were also leaders, with vases of Enchantress, Mrs. Lawson, Mayday, Mrs. C. W. Ward and two seedlings, one red which was of good color, good stem, and large size, they claim it to be a free grower and good bloomer, the other a white, which was taken by some for White Wonder, which it resembled in some ways. W. W. Coles displayed a large vase of Mrs. C. W. Ward, which were far above the average commercial varieties. Henry W. Johnson, Kendallville, displayed a number varieties of carnations and some very fine Godfrey callas. J. H. Shelton of Rochester, displayed some giant callas, which he called the California, of enormous size and different shape from the ordinary calla. Muncie Floral Co. had specimens of 4-inch geraniums which were alright. Simon Humfeld had a variety of plants in small sizes which he displayed as samples.

An elegant banquet was served at the Francis Hotel after which the members were escorted to the different greenhouses of the city, which were all very prosperous looking and everyone seemed to have all he could conveniently do. After a short closing session, the meeting adjourned until July, when the annual meeting will be held.
A. J. WAGONER, Sec'y.

Nashville, Tenn.

Everything has been quiet since Easter, but flowers have been none too plentiful. Funeral work has held up well but there has been very little doing in the social world. Those florists who handle the plant trade have been quite busy, as the season for bedding is fully on and everybody is trying to get their flower beds in order for the season. All the growers are preparing now to provide summer flowers which, in this climate, is a far more serious



FANCY FERNS, \$2.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large halea.....\$2.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound cage, \$7.50
Magnolia Leaves, Imported Green and Bronze. Basket, \$2.25; 6 baskets. \$2 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,
713-717 Milwaukee Ave., CHICAGO

Live Spagnum Moss

Finest quality for mixing with peat or for top dressing.

THE C. W. BROWNELL CO.,
WALDEN, N. Y.

problem than producing the winter supply. We are having an abundance of iris, snowball, lilac and lily of the valley now, out-of-door cutting, and even the dog-wood blossom is being used very effectively for decoration, but it brings no grist to the florist mill, as all one has to do is to go to the woods and cut it.

NOTES.

The Joy Floral Company has had a wonderful sale on potted plants, especially hydrangeas. The firm is going entirely out of the bedding plant and nursery business and will confine itself strictly to the cut flower trade, and is experimenting with home grown lily of the valley for forcing.

Geny Bros, have had a fine trade in funeral work and have furnished one beautiful wedding order. It was an Easter lily wedding and hundreds of these lovely blossoms were used in the wedding decorations.

George Cotsonas & Co.

Wholesale and Retail Dealers



In all kinds of Evergreens
Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,



Delivered to all parts of United States and Canada

127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSSES**

E. A. BEAVEN, Evergreen, Ala.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax. New crop Fancy and Dagger Ferns will be ready May 5th to 10th, we are booking orders now. Write, wire or phone,

Caldwell the Woodsman Co.

Everything in Southern Evergreens.
EVERGREEN, ALA.

McIntyre Bros, are having all they can do in the bedding plant trade and have an especial good trade on hanging baskets, having orders for them by the hundred. M. C. D.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Mention the American Florist when writing

Brooklyn, New York.

“WILSON”

4 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

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Nashville, Tenn.

JOY FLORAL CO.

200,000 Square Feet of Glass.

... 601 Church St.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegram orders filled promptly with the choicest stock.

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San Francisco, Calif.

J. B. BOLAND

Successor to Sleva & Boland
FLORIST

60 KEARNEY STREET.

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone
334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegram orders filled promptly for all occasions.

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A. LANGE,

25 E. MADISON ST.

Mention the American Florist when writing

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
628 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.
May 5.
FROM MONTREAL, Sicilian, Allan.
May 7.
Victoria Luise, Ham.-Amer., 10 a. m., Hoboken Pier.
FROM BOSTON, Arabic, White Star, 3 p. m., Charlestown Dock.
FROM MONTREAL, Ultonia, Cunard.
May 8.
Lusitania, Cunard, Piers 54 and 56, North River.
FROM BALTIMORE, Main, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.
May 9.
Baltic, White Star, 12 noon, Piers 59 and 60, North River.
La Provence, French, 10 a. m., Pier 57, North River.
Barbarossa, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM MONTREAL, Lake Champlain, Can. Pac., daybreak.
May 10.
FROM PHILADELPHIA, Marquette, Red Star, 10 a. m., Pier 55.
May 11.
St. Louis, Amer., 9:30 a. m., Pier 62, North River.
Columbia, Anchor, 2 p. m., Pier 64, North River.
Vaderland, Red Star, 10 a. m., Pier 61, North River.
Batavia, Ham.-Amer., 1 p. m., Hoboken Pier.
Prinz Frederick Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
Koenig Albert, No. Ger. Lloyd, 11 a. m., Hoboken Pier.
FROM MONTREAL, Megantic, White Star-Dom., daylight.
FROM NEW YORK EXCEPT AS NOTED.
May 12.
FROM MONTREAL, Ionian, Allan.
May 13.
Madonna, Fabre, 3 p. m., Brooklyn Dock.
May 14.
Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kronprinzessin Cecelie, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Franconia, Cunard, East Boston Dock.
FROM PHILADELPHIA, Graf Waldersee, Ham.-Amer., 11 a. m., Pier 53.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 36th St.

Cable address: ALEXCONNELA,
Western Union Code.

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New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET:

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

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Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street.

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St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

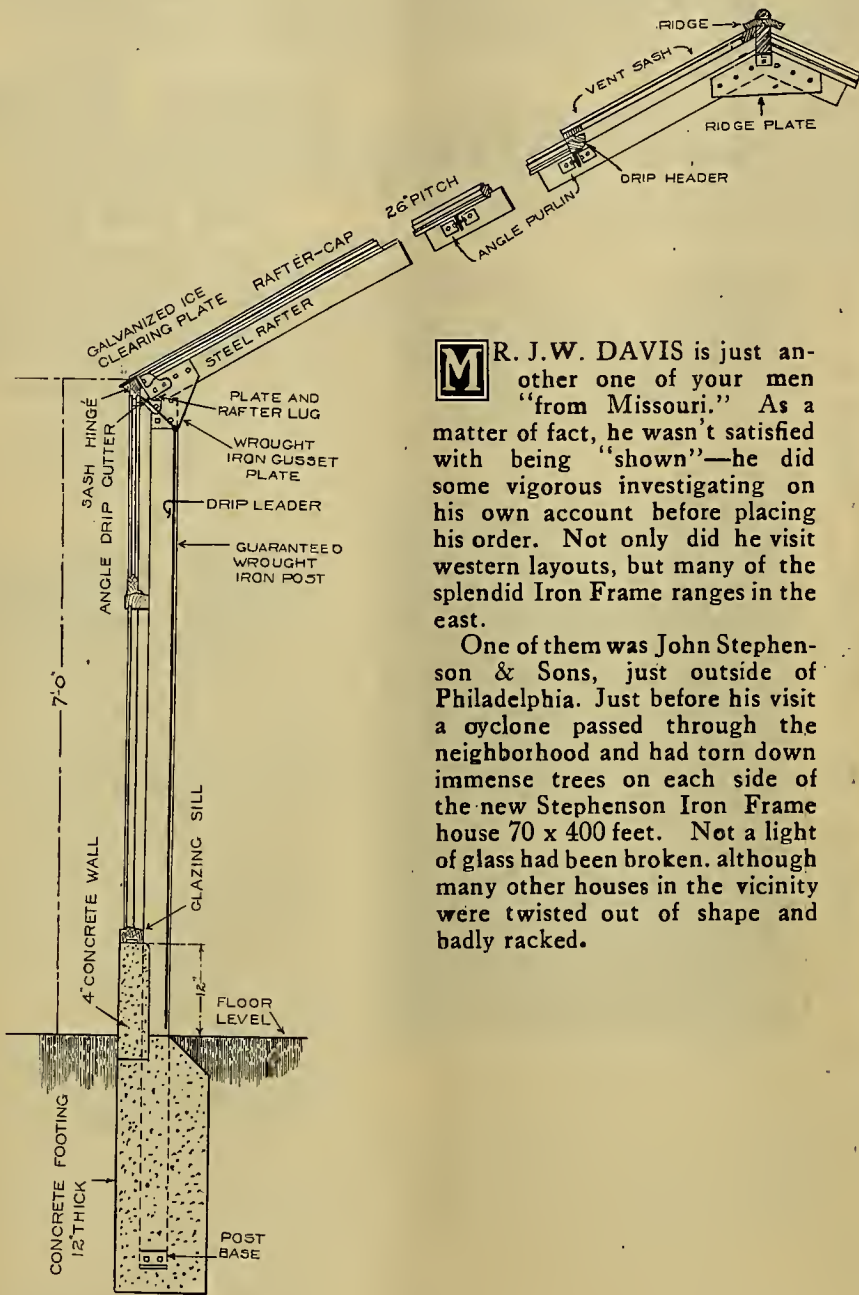
LEADING FLORISTS OF THE NORTHWEST

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them
Kansas City and Pleasant Hill, Mo.

The J. New Iron At B



MR. J. W. DAVIS is just another one of your men "from Missouri." As a matter of fact, he wasn't satisfied with being "shown"—he did some vigorous investigating on his own account before placing his order. Not only did he visit western layouts, but many of the splendid Iron Frame ranges in the east.

One of them was John Stephenson & Sons, just outside of Philadelphia. Just before his visit a cyclone passed through the neighborhood and had torn down immense trees on each side of the new Stephenson Iron Frame house 70 x 400 feet. Not a light of glass had been broken, although many other houses in the vicinity were twisted out of shape and badly racked.

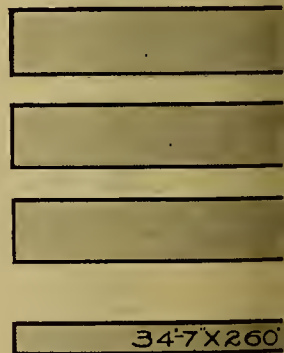


The Three L

THE sides are seven feet. The posts are guaranteed wrought iron imbedded in concrete and bolted to the rafters at the eaves by double gusset plates.

A curtain concrete wall extends twelve inches above the floor line. It is capped by a cypress sill bedded into the concrete and the glazing bars extend from this sill to the transom sash.

The sash are hinged directly to the patented angle iron eave plate, which is equipped with a drip gutter.



Plan of the range small one, v

Lord and

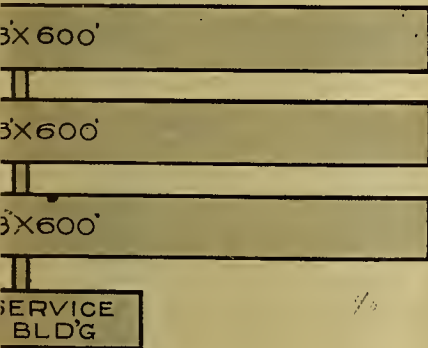
SALES OFFI

Boston,
Tremont Building. St.
Chicago,
Rookery Building. Fra

J. Davis Co.'s Frame Houses Davenport, Iowa.



Plants Are Planted With "Cukes."



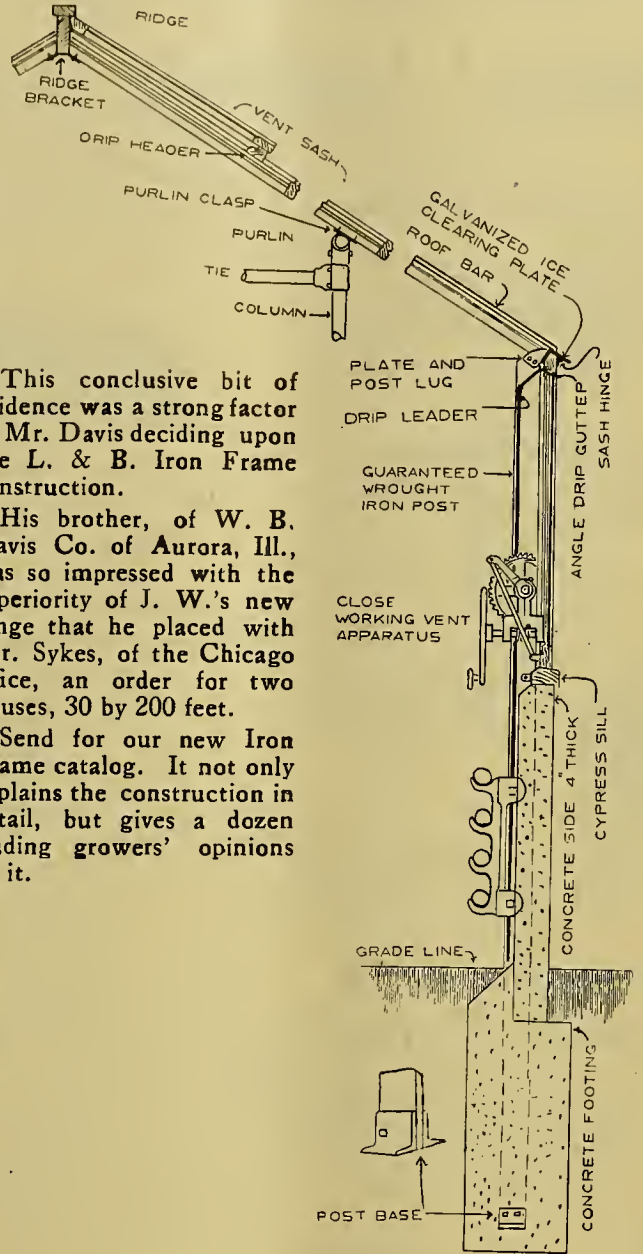
43-foot houses are iron frame—the
for propagating, is pipe frame.

Burnham Co.

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

Building.
Phila.
Building.



This conclusive bit of evidence was a strong factor in Mr. Davis deciding upon the L. & B. Iron Frame construction.

His brother, of W. B. Davis Co. of Aurora, Ill., was so impressed with the superiority of J. W.'s new range that he placed with Mr. Sykes, of the Chicago office, an order for two houses, 30 by 200 feet.

Send for our new Iron Frame catalog. It not only explains the construction in detail, but gives a dozen leading growers' opinions of it.

THIS detail shows the construction of the pipe frame propagating house, 34 feet 7 inches by 260 feet.

Like the Iron Frame one, the posts are guaranteed wrought iron imbedded in concrete footings.

The Giant Arch of pipe clamped together by our Bull Dog Grip double bolted fittings forms the main supporting members.

Every roof bar is screwed fast to the ridge by a wrought iron ridge bracket.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind

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W. J. PALMER, Buffalo, Vice-President.
W. L. ROCK, Kansas City, Treasurer,
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A. B. Cartledge, W. F. Gude, George
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John Breitmeyer's Sons
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Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members of Florists' Telegraph Delivery
Mention the American Florist when writing



WASHINGTON
D. C.

Gude's

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All Orders Given Prompt and Careful Attention
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(Successor to Geo. A. Heini)
336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders.
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Baer, Jullus, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniela & Flaheer, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. E., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heini & Son, J. G., Terre Haute, Ind.
Hees & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Joy Floral Co., Nashville, Tenn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
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Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
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Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
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Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
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Wolfkill Bros. and Morris Goldanson, Los Angeles, Calif.
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Young's, 1406 Olive, St. Louis, Mo.

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Established 1874.

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and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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Holm & Olson,

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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WILLIAM L. ROCK
Flower Co.

Will execute orders for any town in

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Terre Haute, Ind.

John G. Heini & Son,
129 South Seventh St.

Telephone 247
We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

Louisville, Ky.

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550 So. Fourth Avenue.

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Will be delivered for the trade in other cities by the firms below, the **Leading Retailers** in the cities indicated on Wire, Phone or Mail Orders,

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Robert Kift,
1725 Chestnut St.
Personal Attention to all Orders.

M. A. Rowe

IN THE HEART OF NEW YORK CITY.
Phone 6404 Madison Sq. 12 West 33d St
Our Motto—THE GOLDEN RULE.

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Matthews,
—FLORISTS—
16 W. 3rd Street.
Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.

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A. W. Smith Co.
KEENAN BLDG.
Largest Floral Establishment in America,
Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice
DANIELS & FISHER
Order by mail, telephone, telegraph or
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THE J. M. GASSER COMPANY,
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Euclid Avenue.
We Cover All Points in Ohio.



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McKenna
FLORIST
Cor. St. Catherine and Guy Sts.
All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand

Atlanta, Ga.
Atlanta Floral Co.
41 Peachtree Street.

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Send flower orders for delivery in
**Boston and all
New England Points**
To **THOS. F. GALVIN, Inc.,**
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Cut Flower Merchants
We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

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- Anderson, S. C.—The Anderson Floral Co.
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- Boston—Thos. F. Galvin, Inc., 124 Tremont St.
- Boston—Hoffman, 59-61 Mass. Ave.
- Boston—Penn, the Florist, 43 Bromfield St.
- Brooklyn, N. Y.—S. Maaur.
- Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
- Buffalo, N. Y.—S. A. Anderson, 440 Main.
- Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
- Chicago—Alpha Floral Co.
- Chicago—Mangel, 17 E. Monroe St.
- Chicago—A. Lange, 25 E. Madison St.
- Chicago—Schiller The Florist, 2221 W. Madison.
- Chicago—Geo. Wittthold Co., 737 Buckingham Pl.
- Chicago—Wittthold's, 56 E. Randolph St.
- Cleveland, O.—The Cleveland Cut Flower Co.
- Cleveland, O.—The J. M. Gasser Co.
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- Montreal—McKenna.
- Newark, Ohio—Chas. A. Duerr.
- Nashville, Tenn.—Gey Bros.
- Nashville, Tenn.—Joy Floral Co.
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- New York—D. Clark's Sons, 2139 Broadway.
- New York—Dard's, 44th and Madison Ave.
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- New York—Charles Habermann.
- New York—Myer, Florist, 609 Madison Ave.
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- Omaha, Neb.—Hess & Swoboda, Farnum St.
- Philadelphia—Robert Kift, 1725 Chestnut.
- Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
- Poughkeepsie, N. Y.—The Saltford Flower Shop.
- Rocheater, N. Y.—J. B. Keller's Sons.
- Schenectady, N. Y.—Hatcher, Florist.
- Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
- St. Louis, Mo.—F. H. Weber.
- St. Louis, Mo.—Young's, 1406 Olive St.
- St. Paul, Minn.—Holm & Olson.
- St. Paul, Minn.—L. L. May & Co.
- San Francisco—J. B. Boland, 80 Kearney St.
- San Francisco—Podesta & Baldocchi.
- Terre Haute, Ind.—J. G. Heisl & Son.
- Toledo, O.—Mrs. J. D. Freeman.
- Toronto, Can.—Dunlop's, 89 Yonge St.
- Washington—Geo. H. Cooke, Conn. Ave. and L.
- Washington—Gude Bros.
- Washington—Geo. C. Shaffer, 14th and I Sts.

New York. Established 1849
David Clarke's Sons
FLORAL DECORATORS
2139-2141 Broadway,
Telephones:
1552-1553 Columbus Choice Cut Flower's

SAN FRANCISCO
Podesta & Baldocchi
224-226 Grant Avenue
Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.
O. C. SAAKES
FLORIST,
Prompt and careful attention to orders from out
of-town florists. Trade discount.
215 West Fourth Street.

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**The Cleveland Cut
Flower Co.**
Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.
Geo. C. Shaffer
: : FLORIST : :
Phone 2416 Main. 14th & Eye Sts., N. W.
Write, Telegraph or Telephone.

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EYRES,
Flowers or Design Work.
Delivered in Albany and Vicinity on
Telegraphic Order.
11 NORTH PEARL STREET.

Toronto, Can.
Canada's best known and most reliable firm
Only
the
Best
Dunlop's
86 Yonge Street,
We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.
C. C. Pollworth Co.
Will take proper
care of your orders in **Wisconsin**

Michigan. Orders will be carefully
cared for by
HENRY SMITH,

Wholesale and Retail Florist of **GRAND RAPIDS**
Grand Rapids, Mich.
GRAND RAPIDS FLORAL CO.
ALFRED HANNAH & SONS. Will fill you
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the tarde in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

GREAT BRITAIN**WILLS & SEGAR,**

Royal Exotic Nursery,

Onslow Crescent. S. Kensington, London

FLORISTS TO HIS MAJESTY THE KING.

We shall be glad to carry out commissions from our American confreres to deliver Cut Flowers, Floral Baskets, Floral Designs, Baskets of Choice Fruit, Etc., to American visitors in any part of Great Britain.

Cablegrams — "FLOSCULO, LONDON."

Send your orders for Chicago and Sub-
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CHICAGO.All orders carefully filled
under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

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Newark, Ohio.

CHAS. A. DUERR,

The Arcade Florist,

Greenhouses
Granville O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery.

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Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts
of the city, Arkansas and the Southwest.

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Seattle, Wash.

L. W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for
Alaska, Washington and Oregon.

Mention the American Florist when writing

Schenectady, N. Y.

Amsterdam, N. Y.



Established 1877.

All mail, telephone and telegraph orders for
delivery in Schenectady, Amsterdam and vicinity
should be sent to

HATCHER, Florist, Amsterdam, N. Y.

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FLORISTS,

1415 Farnum St.

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1501 and L 1582**WITTBOLD'S**New Display Rooms, 56 E. Randolph Street
CHICAGOFlowers Palms Decorations
Rented or SoldPhones:—Randolph 4708. Nursery, Rogers
Park 227; Evanston 829; Wilmette 658

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

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Careful Attention To All Orders.

Rockford, Ill.

H. W. Buckbee

Colorado Springs, Colo.

Mention the American Florist when writing

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

Budding Knife Free

SEE PAGE 892.

Louisville, Ky.

**F. Walker & Co.,
FLORISTS.**

Phones: Home 1388, Cumb, Main 1388 A.

.....634 Fourth Avenue.

Mention the American Florist when writing

New York:

CHARLES HABERMANN
2668 Broadway.Situated in the finest residential part of the
city, has the best facilities for promptly filling any
orders for city or delivery to steamer.

Mention the American Florist when writing

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmer 768

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St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either
Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

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"The Salford Flower Shop"

Vassar College and Bennett School.

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MYER, FLORIST 609-611 Madison Ave.
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BOXWOODS

Finest Trees in America. Order Early.

OBELISK.

5 feet high, 18-inch bottom measure.....\$10.00 each

Globe Shaped.

	Each
12 in. top, 12 in. high.....	\$2.00
12-14 " " 12-14 " ".....	2.50
15-18 " " 15-18 " ".....	4.00
22-24 " " 24 " ".....	6.00

Standard.

12 in. crown.....	\$1.50
15-18 " ".....	2.50
18-21 " ".....	3.00
21-24 " ".....	4.00
24-27 " ".....	6.00
32-34 " " 3-4 ft. stem.....	9.00
36-38 " " 18-24 in. ".....	9.00
40-42 " " 18-24 " ".....	10.00

Pyramid.

Each	Each
2½-3 ft. high.....	\$2.50
3-3½ " ".....	3.00
3½-4 " ".....	4.00
4-5 ft. high.....	\$ 5.00
5-5½ " ".....	7.00
6 " ".....	10.00



DRACÆNA INDIVISA

3-inch, \$5.00; 4-inch, \$1.50 per dozen, \$10.00 per 100.
6-inch, \$5.00 per dozen: 8-inch, large beautiful specimen, \$1.50 each.



BAY TREES

Standard.

	Each
1 ft. stem, 18 in. crown.....	\$ 4.00
2 " " 18 " ".....	4.00
2 " " 20 " ".....	5.00
3 " " 24 " ".....	6.00
3½ " " 26 " ".....	7.00
1½ " " 28 " ".....	7.00
3½ " " 30 " ".....	8-50
4 " " 48 " ".....	20.00

Pyramid.

4 ft. high.....	\$ 6.50
5 " ".....	8.00
7 " ".....	15.00
9 " ".....	20.00

GEO. WITTBOLD CO.

739 Buckingham Place, CHICAGO

ORCHIDS...

CATILEYA EXTRAORDINARY

Early Flowering Trinae, Nov. and Dec. The greatest paying Cattleya in existence to the Commercial Grower.

First importation in four years.

50 cases of Splendid Stock, just arrived, will be sold without reservation. Write now.

G. L. Freeman, Wellfleet, Mass
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Orchid Trade

H. STANLEY (Late Stanley & Co.),
Sandcross Lane, REIGATE, ENGLAND,
will ship Oncid. Varicosum and Capt. Loddigesii
in April and May. Enquire now,
Mention the American Florist when writing

Alternantheras Coleus

Per 100	Per 100
Red, Yellow, 2¼ pot, April 20th.....	\$2.00
10 varieties, 2¼ pot.....	\$2.00
Geraniums, S. A. Nutt and 5 varieties, my selection.....	6.00
Petunias, May 1st.....	3.00
Asp. Plumosus and Sprengeri, 2¼ pots, May 1st.....	2.00
Canna, 10 varieties, 3 in. pot.....	4.00
King Humbert, 3 in. pot.....	6.00
Pansy Seed, new crop, Giant flowering, Oz.	4.00

Cash or C. O. D.

Jos. H. Cunningham, - - Delaware, O.

ORCHID SALE

Having purchased of the Dr. Little Estate all of the Orchids in his choice collection, I have now to offer hundreds of Cattleyas, Dendrobiums, Cypripedium Insigne and its varieties at ridiculously low prices. Pans, pots and baskets of 4 to 12 bulbs, at 50c to \$1.00 each. Write for varieties.

A. J. BINLEY, Florist, GLENS FALLS, N. Y.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

VISITED CHICAGO: A. T. Ferrell, Saginaw, Mich.

GLADIOLUS growers report the season very wet and backward, and only a small portion of the stock in the ground.

FOR timothy seed, Pine Tree brand, \$15.75 was asked May 1, the price being \$1 off in 10 days. Millets are all higher, something like 50 cents advance in the last 10 days.

NEW YORK.—Loewith, Larson & Co. have succeeded to the business of Julius Loewith and are located at 150 Nassau street, having moved from 99 Nassau street, May 1.

MICHIGAN experts report that severe winter weather has heaved out the red clover plants on the hillsides and in other cases the ice sheet has killed the plants on low ground.

APRIL business with western seed houses has been a record-breaker in volume, partly because of increased values and largely by real increase in number and size of orders.

SOME Wisconsin experts report red clover has suffered severely, mainly because the summer drought either killed the plants or weakened them seriously; in the northern part of the state clover and grasses wintered nicely.

CHICAGO.—Prices on the Board of Trade, May 1, for grass seed were noted as follows: Timothy, \$7 to \$13 per 100 pounds.—A. Henderson & Co. have moved from the Atlas building to larger quarters in the old Fort Dearborn building, 352 North Michigan avenue.

French Bulb Prices, Crop of 1912.

The French Syndicate for the Defense of Agriculture fixed on Saturday afternoon, April 27, prices for growers, their members, for the present season as follows: White Roman hyacinths, the crop, 12 centimeters and up, per 1,000, 80 francs; Narcissus Paper White Grandiflora, 13 centimeters and up, 20 francs; same, 14 centimeters and up, 25 francs. From other reliable sources THE FLORIST is advised that the crop is likely to be less than an average one, though whether the crop is sufficiently advanced to verify this claim now can not be positively stated. French dealers are, of course, asking prices at an advance over those mentioned above to cover their profits. Whether American jobbers will be disposed to cover their wants at the above high rates can not at this date be foreseen.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

American Seed Trade Association.

Rates of \$2.00, \$2.50 up to \$5.00 for single and from \$3.00 to \$6.00 for double rooms per day have been offered by the Hotel Sherman, Chicago, to the members of the American Seed Trade Association during the thirtieth annual convention, June 25-27. This rate does not include meals, but restaurant accommodations are ample.

C. E. KENDEL, Sec'y.

Duty on Corn in the Ear.

The treasury department having received a letter from a firm of seedsmen requesting information as to the proper basis for the assessment of duty upon field corn imported in the ear, advises the collector of customs at Detroit, Mich., as follows: As it appears that the firm contemplates importing the corn through your port, I have to advise you that it is the commercial practice to treat 70 pounds of corn husked but not shelled, as the equivalent of 56 pounds of shelled corn, and you are accordingly directed to assess duty upon field corn, husked, imported in the ear, at the rate of 15 cents per bushel under paragraph 235, 70 pounds of the corn to be treated as the equivalent of the 56 pounds provided for in the said paragraph.

United States Department of Agriculture

BLACK LIST FOR 1911.

The manager of this list, E. Brown, botanist of the seed laboratory, reports as follows:

Red Clover—510 samples secured; none found adulterated.

Orchard Grass—305 samples obtained; 28 found to be adulterated.

Kentucky Blue Grass—430 samples secured; 35 found to be wholly or in part seed of Canada Blue Grass, timothy, redtop or bentgrass.

Running short of firms to black list in the grass seed lines formerly examined by the department, Mr. Brown, needing filling for his annual "Knock" on the seed trade of the country, started a campaign on imported seed of

Hairy Vetch—303 samples secured; 187 adulterated.

Here he found a rich field, sixty-two per cent being wrong. Mr. Brown does not have the grace to say that evidently this seed was adulterated in Europe, which he could easily prove by the samples the Department of Agriculture has the opportunity to take from any importation at the various custom houses, but evidently prefers to let the inference stand that sixty-two per cent of American seedsmen in securing this valuable soiling plant for their customers from Europe, the only source available, have deliberately adulterated this seed or knowingly acquiesced in the same. The United States Department of Agriculture engaged in distributing free seeds, as well as bulbs and shrubs, to the value of over a quarter of a million dollars annually, is pleased to spend some more of the public money in "Knocking" this

industry, which it is already deliberately competing against, without suggesting a remedy.

Such is the beneficence radiating from the administration of Tama Jim Wilson and his anti-seed-business machine. Why does not the department publish the errors made by its own agents in sending out misnamed vegetable seeds and falsely publishing the firm of N. J. Burt & Son of Burlington, Ia., as selling adulterated seeds? Be fair, gentlemen, if you can and give us in these annual black lists the details of your own errors in the seed business.

Catalogues Received.

Bobbinck & Atkins, Rutherford, N. J., nursery stock; Dennison Mfg. Co., Boston, Mass., "Tale of the Tag;" Peacock Dahlia Farms, Berlin, N. J., "World's Best Dahlias;" R. Vincent Jr. & Sons Co., White Marsh, Md., wholesale and descriptive illustrated list of geraniums; American Importing Co., Chicago, gold leaf letters; E. Y. Teas & Son, Centerville, Ind., wholesale list of gladioli and shrubs; Conard & Jones Co., West Grove, Pa., trade list of roses, cannas, shrubs and miscellaneous plants; John A. Salzer Seed Co., La Crosse, Wis., seeds and supplies; Richardson & Boynton Co., New York, boilers; J. G. Harrison & Sons, Berlin, Md., nursery stock; F. W. Kelsey Nursery Co., New York, nursery stock; John Lawrence, Ogdensburg, N. Y., seeds and plants; Peter Henderson & Co., New York, everything for the lawn; East Bridgewater Dahlia Gardens, East Bridgewater, Mass., wholesale trade list of divided field grown stock of dahlias; David Herbert & Son, Ato, N. J., dahlias; Eastern Nurseries, Jamaica Plain Mass., wholesale trade list of nursery stock; H. Youell, Syracuse, N. Y., gladiolus bulbs; B. Hammond Tracy, Wenham, Mass., gladioli.

Wm. Power & Co., Waterford, Ireland, seeds and planters' guide; C. Platz & Sohn, Erfurt, Germany, trade seed list of seeds; Perry's Hardy Plant Farm, Enfield, Middx., Eng., perennial seeds. Wilhelm Pfitzer, Stuttgart, Germany, plants and bulbs; Perry's Hardy Plant Farm, Enfield, Middx., England, rock and border plants; Arthur De Meyer, Ghent, Belgium, wholesale list of plants; Edward V. Low, Haywards Heath, England, descriptive list of orchids, Conrad Appel, Darmstadt, Germany, wholesale list of seeds; M. Koster & Sons, Boskoop, Holland, wholesale list of nursery stock.

Established 1810.

Denaiiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip. Sole Agent for U. S. and Canada, CHARLES JOHNSON, Marietta, Pa.

VICK QUALITY

SEEDS

PLANTS

BULBS

ASK FOR WHOLESALE CATALOGUE.

JAMES VICK'S SONS

Seedsmen,

Rochester, N. Y.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

Hill's Fresh Tree Seeds

A complete stock of all leading hardy varieties. Well cleaned and carefully tested. Prompt shipments made. Ask for what you want. Lowest offers on application.

The D. HILL NURSERY CO., Inc.
Box 607, Dundee, Ill. Seed Dept.
Collectors and Extractors. Import. Export.

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Mention the American Florist when writing

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. Bristol, Pa.

Mention the American Florist when writing

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Masturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Asparagus Plumosus Plants

2½-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA



GLADIOLUS GLORY.

Gladiolus

Per 1000
KUNDERDI "GLORY"...Per 100, \$7 50 \$70 00
AMERICA, 1¼ to 1½ inch..... 27 50
Mrs. Francis King, 1¼ to 1½ inch..... 17 00
Augusta, 1¼ to 1½ inch 16 00
Florists' XXX, Mixed..... 15 00
Princeps, The King of All Gladioli,
.....Per 100, \$10 00

TUBEROSES, Dwarf Pearl

Medium, 3 4-in...\$500 per 1000

Caladiums

(Esculentum)

5-7-inch.....\$15 00 per 1000
7-9-inch..... 30 00 per 1000



COLD STORAGE STOCK

Valley Pips

Per 1000
London Market.....\$15 00
Premium Brand..... 13 00

Lilium Auratum

8 to 9.....\$50 00 per 1000
9 to 11..... 80 00 per 1000

Chicago VAUGHAN'S SEED STORE New York

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

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CHRYSANTHEMUMS

Strong plants, 2¼ in. pots, ready now or will make deliveries later. Glen Cove, Unaka, Mrs. David Symes, Witterstatter, Roman Gold, \$7.00 per 100. Smith's Advance, \$4.00, Chadwick Supreme, \$8.00, Chrysolora, \$10.00 per 100. Golden Glow, Crocus, Yellow Jones, Dr. Enguehard, Major Bonaffon, Jerome Jones, White Bonaffon, Clementine Touset, Amorita, Charles Razer, White Eaton, White Chadwick, Late Yellow, Late Pink, Virginia Poehlmann, Golden Chadwick, \$2.50 per 100, \$22.50 per 1000. Will exchange for Asparagus, Sprenger, Boston or Scotti Ferns.

ELI CROSS, 25 Monroe St., Grand Rapids, Mich.

CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE - - INDIANA.

Mention the American Florist when writing

ROSES

See Price-list Ad. page 726, April 13th.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Mention the American Florist when writing

R. & M. GODINEAU, SEED GROWERS,

Angers - France.

Specialties: Beets, Cabbages, Celeries, Parsleys, Purslanes, Turnips.

Important Personal Cultures.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

Japanese Lilies

Spec. Album, 9 in.-11 in.....per 100..\$13.00
" Rubrum, 9 in.-11 in..... per 100.. 9.00
" Melpomene, 9 in.-11 in.....per 100.. 9.50
Tuberoses, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants and Growers.
114 Chambers Street, NEW YORK, N. Y.

Mention the American Florist when writing

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
1876 Milwaukee Ave., CHICAGO

Mention the American Florist when writing

BODDINGTON'S QUALITY ROSES

Hardy Hybrid Perpetual Roses.

We offer extra-strong foreleg two-year-old dormant, low-budded stock, in the following varieties, true to name: Price, 75 cts. for 5 (of one variety), \$15.00 per 100, \$140.00 per 1,000 (immediate delivery).

- ALFRED COLOMB—Carmine-crimson; a grand rose.
- BARONESS ROTHSCHILD—An exquisite shade of satiny pink.
- CAPT. CHISTY—Flesh color, deepening to center.
- CLIO—Satin blush; very fine new sort.
- DUKE OF EDINBURGH—Bright Vermillon.
- FRAU KARL DRUSCHKI—The finest white in existence.
- GEN. JACQUEMINOT—Brilliant crimson.
- JOHN HOPPER—Bright rose, with carmine center.
- LA FRANCE—Peach-blossom pink.
- MAGNA CHARTA—Dark pink; one of the easiest roses to grow.
- MME. GAHRIEL LUIZET—Light, satiny pink.
- MRS. JOHN LAING—Rich, satiny pink.
- MRS. SHARMAN-CRAWFORD—Deep rosy pink.
- PRINCE CAMILLE DE ROHAN—Dark crimson-maroon.

For Prices See Above.

Hybrid Tea, or Everblooming Roses.

HYBRID TEA, or EVERBLOOMING ROSES are becoming more popular every year; while not so hardy as the perpetuals, with slight protection in Winter they carry over in splendid shape and give a wealth of bloom all through the Summer months and late in the Fall till frost checks them.

- AVOCA—Color crimson-scarlet; buds very long and pointed; flowers large and sweetly perfumed. Bundle of 5 100 \$1.75 \$25.00
- KILLARNEY—This is a grand rose for either indoor or outdoor cultivation; is a strong grower and the blooms, which are of a beautiful pink, are borne in great profusion. \$1.00 \$17.50
- ROSE, ETOILE DE FRANCE—Superb crimson-red velvet, the center of the bloom vivid cerise-red. The Queen of the Everblooming Red Roses. The most free-blooming and vigorous Red Rose ever introduced. .85 15.00
- BESSIE BROWN—Creamy white. 1.25 20.00

- KAISERIN AUGUSTA VICTORIA—An almost pure white rose. Shaded a beautiful primrose. Fine for indoor or outdoor Summer blooming. 1.00 17.50
- GRUSS AN TEPLITZ—No rose in commerce can compare with this as a bedder. It is a perfect sheet of richest crimson-scarlet all Summer. A strong, vigorous grower. .85 15.00
- RICHMOND—The well-known red rose of commerce. 1.00 17.50
- MADAME ABEL CHATENAY—Carmine-rose, shaded salmon-pink. 1.00 17.50
- MILDRED GRANT—Cream, with a faint blush of pale rose. 1.00 17.50
- AMERICAN BEAUTY—Almost too well-known for description, but as popular today as twenty years ago. Rosy carmine, shaded salmon, flowers large and full; very floriferous. .85 15.00
- CAROLINE TESTOUT—Bright satin rose, with brighter center, large, full, globular. .85 15.00
- LIBERTY—Very free-flowering, bright crimson-scarlet, of an even shade throughout; floriferous. 1.00 17.50
- MOLLY SHARMAN-CRAWFORD—Large, full flower; color delicate eau-de-Nil, which, as the flower expands, becomes dazzling white. 2.00 30.00
- VISCONTRESS FOLKESTONE—A large, full flower of creamy pink, shading to deep salmon-pink at the center; very floriferous. 1.50 22.50
- WILLIAM SHEAN—Purest pink, with delicate veination; petals shell-shape. Gold Medal N. R. S., England. 1.25 20.00

Baby Rambler Roses.

- BABY DOROTHY—The same in habit as Baby Rambler, but the color of the flower is similar to Dorothy Perkins. "Baby Dorothy," when planted out, flowers perpetually from Spring until Autumn. 75 cents for bundle of 5, \$14.00 per 100.
- MME. NORBERT LEVAVASSEUR (The Original Baby Rambler)—A dwarf-growing, ever-blooming Crimson Rambler. This blooms when a small plant and forms clusters of flowers as large as the Crimson Rambler. 75 cents for 5, \$14.00 per 100.

Arthur T. Boddington, Seedsman, 342 West 14th St., New York City

THE NEW CARNATION

BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities.

The New "Helen" Pink

A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit." Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber, Grower, LYNBROOK, Long Island, N. Y.

R. G. Wilson, Fulton St. and Greene Ave., BROOKLYN, N. Y.

Chas. H. Totty, MADISON N. Y.

Mention the American Florist when writing

Money Makers AND Money Savers

- Big, Healthy and Clean Stock?
- Coleus, from 2 1/4 and 2 1/2-in. pots, \$20.00 per 1000, in the following varieties: Golden Bedder, Verschaffeltii, Bicolor, Parquet, Her Majesty, Red Bedder.
- Dracaena Indivisa, 5-in. fine stock, \$15.00 per 100; 4-in. fine stock, \$10.00 per 100.
- Geraniums, Double White, from 2 1/2-in. pots, \$20.00 per 1000.
- Geraniums, Mme. Salleroi, from 2 1/4 and 2 1/2-in. pots, \$20.00 per 1000.
- Lobelia, strong transplants, ready for 2 1/4-in. pots, \$18.00 per 1000.

J. E. Matthewson, Sheboygan, Wis.

FELIX & DYKHUIS, BOSKOOP, HOLLAND.

Address care of Maltus & Warc, 14 Stone St., New York.

Our large, beautifully illustrated catalogue will be mailed to you free of charge. It is a Handbook and Guide to Florists and contains useful information about forcing of all kinds of Forcing Shrubs, Lilacs, Rhododendrons, etc., etc.

Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown.

of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

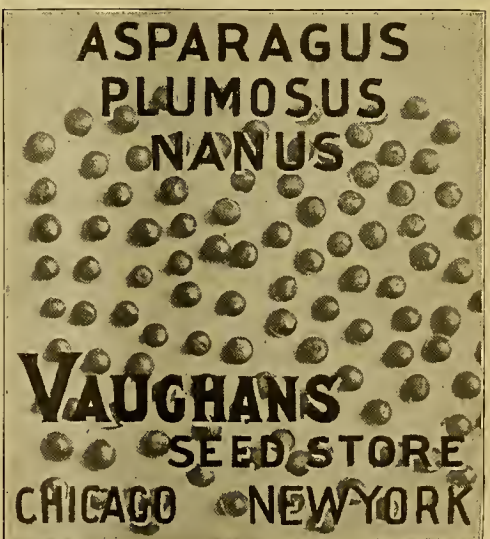
Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$3.50; 5000 seeds at \$3.25 per 1000.

Vaughan's Seed Store,

CHICAGO.

NEW YORK.

Mention the American Florist when writing



The Early Advertisement Gets There

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, April 29.—Mushrooms, 20 cents to 35 cents per pound; radishes, 15 cents to 75 cents per dozen bunches; lettuce, 25 cents, small cases, cucumbers 90 cents to \$1.25 per dozen.

New York, April 27.—Mushrooms, 75 cents to \$2 per 4-pound basket; cucumbers, 50 cents to 60 cents per dozen; tomatoes, 10 cents to 25 cents per pound; radishes, \$1 to \$1.50 per 100 bunches; lettuce, 25 cents to 75 cents per dozen; rhubarb, 40 cents to 60 cents per dozen bunches, \$2 to \$4 per 100 bunches; mint, 50 cents to 75 cents per dozen bunches.

Dissemination of Cabbage Diseases.

Fungous and bacterial diseases of the cabbage are carried from one plant to another by insects, infected seed, transplanting from an infected seed bed to the field, drainage water, stable manure and compost, animals and wind, states the United States Department of Agriculture in a recent bulletin entitled, "Diseases of Cabbage and Related Crops and Their Control." Insects are potent factors in the distribution of some diseases, the bacteria causing the black rot is carried from one plant to another by slugs and snails, and club root has an offensive odor at some stages which attracts insects, and new infections are brought about by their visiting other plants. Germs of some diseases are found on the seed, and as a precautionary measure the seed can be disinfected by being placed for 15 minutes in a solution of one-quarter pint of formaldehyde (40 per cent) in seven gallons of water, then dipped in pure water to wash off the formaldehyde and then spread out to dry. The seed bed should be carefully prepared and steam sterilization is recommended. Drainage water from a field on which the refuse of diseased plants was allowed to remain will infect the land upon which it flows. The throwing of refuse of cabbage or other crops into the manure is bad practice, for the germs are distributed on the fields another year, and also allowing cattle or sheep to feed on the roughage of cabbage fields, for the organisms may pass through unharmed and become incorporated in the manure.

Club root is a soil parasite and can not be controlled by any fungicide, but slaked lime at the rate of 75 bushels to the acre will keep the disease in check and rotation of crops will starve it out, but long rotations are necessary, for instances are known where six or seven years have failed to eradicate the malady. Root-knot is caused by eelworms and confined to light, sandy soils, and a rotation of at least three years with crops known to be immune and clean cultivation will eradicate the disease. Black rot infection takes place at the margin of and works through, the leaf, the heads growing dwarf or one-sided, in early

infections absence of the head, and in extreme cases the death of the plant. No methods of controlling black rot are known, and every precaution must be taken to prevent serious loss by this destructive disease. Black leg or wilt is not widely distributed in this country, and commonly attacks the plant when young. Steam sterilization of the soil will keep the disease down in the seed bed, and where fields are infected diseased plants should be burned, crop rotation practiced, the seed disinfected, and cattle and other stock should not be allowed to roam in infected fields. Other minor diseases are described and their control outlined, but they do not as a rule cause serious loss.

Tomato Growing in Canada.

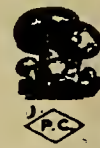
The production of early tomatoes has become prominent in the more favored parts of Ontario province, including the Niagara peninsula, the Leamington district in Essex county, and the neighborhood of Toronto, and it is carried on to a lesser extent throughout the tomato-growing sections of the province. The total shipments from the Leamington district, exclusive of those consigned to Winnipeg, from July 1 to August 12, 1911, amounted to 40,000 baskets. No reliable information is available of the shipments from the other districts. Most of the early tomatoes are marketed through Toronto, states Consul Felix S. S. Johnson, Kingston. The Essex growers claim that the western trade has not proved satisfactory, the first shipments by express are expensive and come in competition with the American product, while later the cheaper shipments by freight compete with the St. Catharines tomatoes. It is also said that the fruit is not handled to the best advantage in Winnipeg, the jobber taking too large a share of the profits.

Most of the seed comes from the United States, the price running from \$1 to \$10 per pound, the general price being about \$3. The duty on seed imported from the United States is 10 percent ad valorem, when importation is in packages weighing over one pound, and 25 per cent ad valorem when in packages weighing one pound or less. In 1911 Canada imported fresh tomatoes as follows: From the United States, 203,349 bushels, valued at \$256,127; from Cuba, 480 bushels, value \$770; from the United Kingdom, 743 bushels, value \$996.

Phoenix Canariensis balled by 3, 3½, 4, 4½, 5, 5½, 6 ft., at 40c, 55c, 75c, 95c, \$1.20, \$1.45 and \$1.75 each.

Areca Sapida potted, 2½, 3, 3½, 4, 4½, 5, 5½, 6 ft. at \$1.00, \$1.30, \$1.60, \$1.90, \$2.20, \$2.50, \$2.80 and \$3.10.

Orders in closed boxes 60% extra.
THE KENTIA NURSERIES,
Gillespie St. & Fisher Ave., Santa Barbara, Cal.



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

Pure Culture Mushroom Spawn

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

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

CHRYSANTHEMUMS and ASTER SEEDS.

For list and prices see classified advertisement on page 914, this issue.

Elmer D. Smith & Co., ADRIAN MICH.

Alternantheras.....

Strong, well rooted cuttings, the kind that will please you.

P. Major, red.....50c per 100; \$4.00 per 1000
A. Nana, yellow.....50c per 100; 4.00 per 1000

J. W. DAVIS, 225 W. 16th Street, Davenport, Iowa.

Ferns.

4-inch heavy stock, \$12.00 per 100. Boston, Barrowsl and Elegantissima; also 2¼-inch Boston, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio

Mention the American Florist when writing

Roses Originated by Jackson Dawson

Write for pamphlet, including prices.

EASTERN NURSERIES,
1090 Centre St., JAMAICA PLAIN, MASS.
H. S. DAWSON, Manager.

Success in Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWED AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabiosa, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Spring Is Here! Stock Up!

Those who ordered last year won't need any urging to buy again. This advertisement is for the other fellow. Now is a good time to learn what Vaughan Quality is. Early orders will receive first attention.



Standard Bay Tree.

BAY TREES BOX TREES

Due to arrive May 1st to 15th.

Prices include tubs.

Standard or Tree Shaped.

Stems	Crowns	Each	Pair
36 in.	24 in.	\$ 7 00	\$13 00
45 in.	26 in.	7 50	14 00
45 in.	28 in.	8 00	16 00
45 in.	30 in.	10 00	18 00
48 in.	34 in.	12 00	22 00
48 in.	40 in.	15 00	28 00

Dwarf Standards.

Stems	Crowns	Each	Pair
30 in.	24 in.	\$ 7 00	\$13 00
18 in.	24 in.	7 00	13 00
12 in.	30 in.	7 50	14 00

Pyramid Shaped.

Diameter at Base	Each	Pair
5 ft. high, 24 in.	\$ 8 00	\$15 00
6 ft. high, 26 in.	10 00	18 00

Ampelopsis Veltchii.

(Japan or Boston Ivy.)

	Each	Doz.	100
2-year-old plants...	\$0 15	\$1 75	\$12 00
3-year-old plants...	20	2 00	16 00

Prices include green tubs. 10 per cent discount if wanted out of tubs.

Standard or Tree Shaped.

18-26 in. stem, 18 in. crown.	\$3 00	\$5 50
18-26 in. stem, 24 in. crown.	4 50	8 00

Pyramid Shape

	Each	Pair
2½ ft. high.....	\$2 00	\$ 3 75
3 ft. high.....	2 50	4 50
3½ ft. high.....	3 00	5 50
4 ft. high.....	4 00	7 50
5½ ft. high.....	7 50	14 00

Globe Shaped.

15 in. high, 15 in. in diam.	\$2 25	4 00
18 in. high, 18 in. in diam.	2 75	5 00

Bush Shaped

Prices do not include tubs.

	Each	Doz.	100
12 in.....	\$0 35	\$ 3 60	\$25 00
18 in.....	60	6 50	
20 in.....	75	8 00	
24 in.....	1 00	10 00	
30 in.....	2 50	per pair \$4 50	
36 in.....	3 50	per pair 8 00	

Clematis Paniculata.

	Each	Doz.	100
2-year-old clumps...	\$0 15	\$1 50	\$10 00
3-year-old clumps...	20	2 00	15 00
4-year-old clumps...	35	3 60	25 00



Pyramidal Box Tree.

NEW ROSES FOR 1912

Double White Killarney—(Budlong)

The most valuable White Forcing Rose ever offered.

and Killarney Queen—(Budlong)

A cerise pink sport of Killarney.

Own roots.....	each, 75c;	doz., \$5.00;	100, \$25.00;	1000, \$200.00
Grafted.....	each, 75c;	doz., 7.50;	100, 30.00;	1000, 250.00

Lady Hillingdon.

An excellent forcing variety of a deep coppery yellow.

Own roots.....	each, 40c;	doz., \$3.00;	100, \$20.00;	1000, \$150.00
Grafted.....	each, 40c;	doz., 4.00;	100, 25.00;	1000, 200.00

Sunburst.

An intense shade of golden yellow. Own roots...each, 50c doz., \$5.00

STANDARD SORTS

	Own Roots			Grafted				Own Roots			Grafted		
	Dozen	100	1000	Dozen	100	1000		Dozen	100	1000	Dozen	100	1000
Killarney.....	\$.85	6.00	55.00	\$2.00	15.00	140.00	Mrs. Aaron Ward.....	\$1.50	10.00	95.00	3.00	20.00	190.00
" Double Pink..	2.50	12.00	110.00	3.00	20.00	190.00	My Maryland.....	.....	.....	.....	2.00	15.00	140.00
" White.....	1.00	7.00	65.00	2.00	15.00	140.00	and many other kinds too numerous to mention Ask for prices.						

Place your order now and we will ship when you are ready.

ASK FOR OUR SPRING BOOK FOR FLORISTS.

Vaughan's Seed Store, 31 W. Randolph St., CHICAGO. 25 Barclay St., NEW YORK.

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

GLADIOLI

Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Brencleyensis, Etc. Lillies, Summer Flowering Bulbs and Hardy Plants.

E. S. MILLER, Wading River, N. Y.

Sweet Williams

Field Clumps, \$3.00 per 100; \$25.00 per 1000. Smaller plants that will bloom this season, 50 cents per 100; \$3.50 per 1000. Hardy Pinks, field clumps, \$2.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

ROSES

Bench Beauty Plants.....	\$6.00 per 100;	\$50.00 per 1000
Also some Pink Killarney from bench.....	5.00 per 100;	35.00 per 1000
A nice lot of 2¼-in. My Maryland.....	5.00 per 100;	40.00 per 1000
2½-in. Pink Killarney.....	5.00 per 100;	40.00 per 1000
2½-in. White Killarney.....	5.00 per 100;	40.00 per 1000
2½-in. Mrs. Taft as Prince de Bulgarie.....	6.00 per 100;	50.00 per 1000

J. A. BUDLONG, 82-86 E. Randolph St., Chicago

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

"THE More Important Insect and Fungous Enemies of the Fruit and Foliage of the Apple" is the title of Bulletin No. 492 issued by the United States Department of Agriculture, which describes such enemies and recommends the necessary treatment for prevention and remedy, and contains illustrations of both insects and fungous infestation, with directions for the manufacture and spraying of fungicides and poisonous applications.

Another Evergreen Seedling Decision.

Another decision in regard to admitting the importation of evergreens grown from seed free of duty was made by the board of United States general appraisers on the protest of Wm. Larzelere & Co., Philadelphia, against the assessment of twenty-five per cent duty, as follows:

It is claimed in these protests that merchandise which has been assessed as nursery stock under paragraph 264, tariff act of 1909, should be free of duty as evergreen seedlings under paragraph 668. In the case of Re Harris, Abs. (T. D.) 408080, etc., the question of the meaning and scope of the term "evergreen seedling" was considered, and the previous decision of the board (G. A. 5305 T. D. 24305) on the same question was followed, holding that the term applies to an evergreen propagated from the seed, as distinguished from one grown from a stock or cutting, regardless of the age or size of the plant, or the fact that it may have been transplanted. We therefore adopt that definition in arriving at a conclusion regarding the items involved in these protests.

From the testimony taken in these cases and the catalogues introduced in evidence marked exhibit A-1 and exhibit 2, it appears that the following described evergreens involved in these protests were from seeds: *Abies excelsa*, *Abies concolor*, *Abies pectinata*, *Abies pinsapo*, *Pinus austriaca*, *Pinus sylvestris*, *Juniperus Virginiana*, *Thuja occidentalis*, *Abies Nordmanniana*, *Texas baccata*, *Kalmia latifolia* (flowering plant). The protests are therefore sustained in so far as they relate to the above enumerated varieties of evergreens, and the collector is instructed to grant free entry thereon under paragraph 668. In all other respects and as to all other goods, the protests are over-ruled.

The Japanese Umbrella Pine.

This is one of the most distinct and choicest hardy conifers introduced into this country. The sciadopitys is a monotypic genus, and quite different from any other conifer. It is a native of Japan, where the Umbrella Pine is said to grow wild only on the mountains of Nippon. The tree has, however, been freely planted by the Japanese, more especially in the vicinity of their temples. The Swedish botanist, Thunberg, records its cultiva-

tion in Japan in 1776. To Thomas Lobb belongs the credit of introducing the first plant in 1853. This, unfortunately, died, but eight years later John Gould Veitch brought home seeds from Japan.

Although perfectly hardy, states The Garden, the conditions favorable to the development of the tree appear to be warm, sheltered positions and a light, sandy peat with plenty of moisture in summer; lime is said to be detrimental. Several trees of moderate size are recorded as growing in this country—a specimen at Hemsted, Kent, over forty feet in height, and one in South Devon 30 feet in height—but there are no large specimens. Trees in Japan attain a height of 100 feet to 120 feet. It is an interesting fact, told me by a Japanese, that while young, transplanted trees cone in quite a small state, the wild trees grow to a very large size before producing cones. A notable character of the tree is the narrow, pyramidal shape with a tapering leader. Cones and ripe seeds are produced in this country, taking two years to mature; in fact, cones are produced so freely that it has been thought desirable for the health of the plant to remove a large percentage of them. The cones are cylindrical in shape, about three inches long and 1½ inches in diameter. Seeds germinate freely, but to rear them successfully great care and plenty of attention are necessary in a young state. A second means of propagation is to graft the terminal shoots on pieces of the root taken from a young tree during March or April.

:: ABIES ::

Pungens Glauca Kosteriana
 (Koster's Blue Spruce)

Fine Specimens, 3 to 3½ ft., \$3.50 each
W. W. Coles, Kokomo, Ind.

Robert Craig Co...
HIGH CLASS PALMS

and Novelties in Decorative Plants.
 Market and 49th Sts., Philadelphia, Pa.



Moon's

A nursery with an enormous collection of thrifty Ornamental Trees & Shrubbery for landscape plantings. Catalogue upon request.
The Wm. H. Moon Co.,
 MORRISVILLE, PA.

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
 Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.
 Prices low. Send for list.

Wood Brothers, FISHKILL
 New York

LARGE TREES

OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.



The profits from your Evergreen Department depend on the kind of trees you supply to your trade. Buy your seedlings where you can get best values.

Hill's

Seedling Evergreens
 are grown by the million—we have a great nursery specially equipped for that purpose, and our work has over a half-century of "knowing how" back of it. Get our Wholesale Catalog and prices.

D. HILL NURSERY CO., Inc.
 Evergreen Specialists. Largest Growers in America
 Box 404, Dundee, Illinois

New Gold Medal Roses

FOR 1912.

Write for descriptive catalogue, free on application, to

HUGH DICKSON, Ltd.,

Royal Nurseries,

BALFAST, IRELAND.

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Carnations

Rose Pink Enchantress, from soil, \$24.00 per 1000.

Enchantress, from soil, \$29.00 per 1000.

	R. C. per 100	1000
White Wonder	\$6 00	\$50 00
Norwood	6 00	50 00
Dorothy Gordon	4 00	35 00

	R. C. per 100	1000
White Enchantress	\$3 00	\$25 00
Enchantress	3 00	25 00
Beacon	3 00	25 00

	R. C. per 100	1000
Rose Pink Enchantress	\$2 50	\$20 00
Winsor	2 50	20 00

CHRYSANTHEMUMS

PINK.		
	R. C. per 100	1000
Gloria	\$2 50	\$20 00
Amorita	2 50	20 00
Dr. Enguehard	2 50	20 00
Pacific Supreme	2 00	15 00
Balfour	2 00	15 00
CRIMSON.		
Pockett's Crimson	\$2 50	\$20 00
Schrimpton	2 50	20 00
Intensity	2 00	15 00

YELLOW.		
	R. C. per 100	1000
Crocus, the best yellow	\$4 00	\$35 00
Yellow Eaton	\$2 50	\$20 00
Golden Glow	2 00	15 00
Halliday	2 00	15 00
Maj. Bonnaffon	2 00	15 00

WHITE.		
	R. C. per 100	1000
White Chadwick	\$3 00	\$27 50
Lynwood Hall	2 50	20 00
White Eaton	2 50	20 00
Alice Byron	2 00	15 00
Touset	2 00	15 00
October Frost	2 00	15 00

J. D. THOMPSON CARNATION CO., Carnation Specialists, Joliet, Ill.

Geraniums

Big lot of fine cuttings ready now. \$10.00 per 1000. Poitevine, Ricard and S. A. Nutt.

COLEUS

Next lot ready May 6th. Verschaffeltii, Golden Bedder, and mixed standards at \$6.00 per 1000. Stock plants of these from four-inch pots for delivery May 20th at \$3.50 per 100. Giant Leaved from two inch pots at \$3.50 per 100; from sand at \$2.00 per 100.

Plumosus, Sprengerii, Smilax

Plumosus, fine stock at \$25.00 per 1000. Sprengerii, four-inch pots at \$3.50 per 100. (Ready now). Smilax for June and after at \$12.50 per 1000.

CARNATIONS

Washington from pots at \$5.00 per 100. Victory from pots at \$2.00 per 100.

To save delay send cash with the order. Samples of any stock for ten cents.

ALBERT M. HERR, Lancaster, Pa.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100, Boston Ferns, 5-in., 25c each, Whitmani Ferns, 4-in., 25c, Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100, Vinca Var., 2-in., 2c, Asparagus Sprengeri, 2-in., \$2.50 per 100, Asparagus Plumosus, 2-in., \$3.00 per 100, Coleus, Althernantheras, red and yellow, Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

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

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.

	Per 100	Per 1000
Mrs. Aaron Ward, 2½-in.	14 00	120 00
Melody, 2½-in.	14 00	120 00
Mrs. Taft or Prince de Bulgarie, 2½-in.	14 00	120 00
Radiance	14 00	120 00
Dbl. Pink Killarney, 3½-in.	15 00	150 00

OWN ROOT.

	Per 100	1000
White Killarney, 2½-in.	\$6 50	\$60 00
Maryland, 2½-in.	5 50	50 00
Antoine Rivolve, Mrs. Taft, or Prince de Bulgarie, 2½-in.	8 00	70 00
Melody, 2½-in.	8 00	70 00
Mrs. Aaron Ward, 2½-in.	8 00	70 00
Dbl. Pink Killarney, 2½-in.	6 50	60 00

CHRYSANTHEMUMS.

WHITE.			
	R. C. per 100	2½-in. per 100	1000
Smith's Advance	\$3 00	\$25 00	\$4 00 \$25 00
October Frost	2 50	20 00	3 00 25 00
Virginia Poehlmann ..	2 50	20 00	3 00 25 00
Clementine Touset ..	2 50	20 00	3 00 25 00
Alice Byron	2 50	20 00	3 00 25 00
Timothy Eaton	2 50	20 00	3 00 25 00
W. H. Chadwick	3 00	25 00	4 00
YELLOW.			
Golden Glow	2 50	20 00	3 00
Halliday	2 50	20 00	3 00 25 00
Col. Appleton	2 50	20 00	3 00 25 00
Maj. Bonnaffon	2 50	20 00	3 00 25 00
Yellow Eaton	2 50	20 00	3 00 25 00
Golden Chadwick	3 00	27 50	4 00 35 00
Dolly Dimple	2 50		3 00

PINK.				
	R. C. per 100	R. C. per 1000	R. C. per 100	1000
McNiece	\$2 50	\$20 00	\$3 50	\$30 00
Maud Dean	2 50	20 00	3 50	30 00
Patte	2 50			
Dr. Enguehard	2 50	20 00	3 50	30 00
RED.				
Schrimpton	3 00	25 00	3 00	25 00
Intensity	2 50	20 00	3 00	25 00

POMPONS.

Large Assortment of Best Commercial Varieties only.

R. C. \$3 00 per 100
2½ in. \$4 00 per 100; \$35 00 per 1000

Orders are now booked for April, May, June and July delivery. All goods are sold for cash or 30 days on approved credit.

Mention the American Florist when writing

ROSE PLANTS

	2½-Pots.	Per 100	Per 1000
American Beauty		\$5.50	\$50.00
White Killarney		5.00	40.00
Pink Killarney		5.00	40.00
Maryland		5.00	40.00
Perle		4.00	30.00
Richmond		4.00	30.00

PETER REINBERG,

30 East Randolph St.,

CHICAGO

Mention the American Florist when writing

ROOTED

Carnation Cuttings

	Per 100	1000
Washington	\$4.00	\$35.00
Mrs. C. W. Ward	3.00	25.00
Beacon	3 00	25.00
White Enchantress	3.00	25.00
May Day	2.50	20.00
Sangamo	2.50	20.00
Enchantress	2.50	20.00
Rose Pink Enchantress....	2.50	20.00
Dorothy Gordon	3.00	

250 at 1000 rate. Satisfaction guaranteed.

Will exchange any of the above for 2½ inch *Asparagus Plumosus*.

DES PLAINES FLORAL CO., Des Plaines, Ill.
Mention the American Florist when writing

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

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J. Lichtenberger, 1594 Avenue A, NEW YORK Telephone Lenox 5644.



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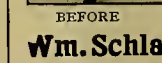
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I. L. PILLSBURY, Galesburg, Ill.



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Sweet alyssum, our big double giant, 80c per 100; \$6 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

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Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

Alternantheras, red and yellow, 2 1/4-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Alternantheras, R. C. P. Major, A. Nana, 50c per 100; \$4 per 1,000. J. W. Davis, 225 W. 16th St., Davenport, Ia.

AMPELOPSIS.

Ampelopsis Veitchii, 3-year-old, \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

AQUILEGIA

Aquilegia (Columbine) white or mixed, 3-year clumps, \$5 per 100. Cash. Stevens' Gladioli Company, Saginaw, Mich.

ARAUCARIAS.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechslein, 4911 Quincy St., Chicago.

Araucaria excelsa, 4-in., 6 to 8 ins., case lots of 50 and 100 each, \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holtoo & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus nanus, from 2 1/4-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, prop., Chatham, N. J.

Asparagus plumosus, clumps from bench, 1-year, \$4 per 100; \$35 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus nanus, 2 1/4-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Asparagus plumosus, 2 1/4-in., \$3 per 100; \$25 per 1,000. Sprenger, 2 1/2-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2 1/4-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprenger, extra strong, 3-in., 6c; 3 1/2-in., 8c. Cash, please. Heini's Greenhouse, West Toledo, Ohio.

Asparagus plumosus, \$25 per 1,000; Sprenger, 4-in., \$3.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus Sprenger, 2 1/2-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2 1/2-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Pothound 3-in. Sprenger, can be shifted into 5-in., \$6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus and Sprenger, 2 1/4-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprenger plants, W. H. Elliott, Brighton, Mass.

ASTERS.

Aster plants Henderson's Invincible no finer strain anywhere, 6 colors, strong plants, 75c per 100; \$6.50 per 1,000. Cash with order. The Brill Celery Gardens, Kalamazoo, Mich.

AZALEAS.

Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea mollis, 12-15 ins., 10 to 16 buds, \$25 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay Trees. Bobbink & Atkins, Rutherford, N. J.

BEDDING PLANTS.

Bedding plants. Abutilon Savitzi; Acalypha macafeana; Achyranthea Emersoni; ageratum, 7 varieties; Begonia Vernon; Cuphea platycentra; Cineraria Maritima candidissima; Cannas, assorted and King Humbert; Coleus, Brillancy and 11 standard varieties; Chrysanthemums, hardy pompons; Fuchsia, Gortingen and Marinka; hardy English ivy; Geraniums, ivy leaved, Mt. of Snow, Mrs. Pollock, Silver leaf Nutt, Sophie Dumaresque; Heliotrope Chieftain and Mme. Bruant; Lemon verbena; moonvine, white and blue; petunias, dbl. fringed mixed; Sage Holts mammoth; Salvia Bonfire and Zurich; Senecio scandens, parlor ivy; Verbenas, 5 vars.; hardy phlox, 10 varieties. For sizes and prices see advertisement elsewhere in this issue. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Bedding plants, Coleus, geraniums, lobelias, Dracena indivisa. J. E. Matthewson, Sheboygan, Wis.

Coleus, alternantheras, red and yellow; heliotrope, scarlet sage, lemon verbena, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Bedding Stock of all kinds. Geo. A. Kuhl, Pekin, Ill.

Bedding Stock. A. N. Pierson, Inc., Cromwell Conn.

BEGONIAS.

Begonias, fine transplanted stock ready for shipment. Vernon, scarlet; Lumbosa, crimson; Gracilla Resea, light pink; \$1.25 per 100; by mail; \$8 per 1,000 express. Cash with order. Peter Brown, Lancaster, Pa.

Begonias, Lorraine, 2 1/4-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Turnford Hall, Betty Anderson, La Prairie, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

Begonia Lorraines, extra fine plants, from 2 1/2-inch pots, guaranteed all from leaf cuttings, at \$12.50 per 100. Cash or satisfactory references. ELITCH-LONG GREENHOUSES, Denver, Colo.

Begonia Glory of Cincinnati, young shoots from base, \$15 per 100; \$140 per 1,000. J. A. Peterson, Cincinnati, O.

Begonias, Gloire de Lorraine and Glory of Cincinnati, \$2 per doz.; \$15 per 100; \$140 per 1,000. Vaughan's Seed Store, Chicago and New York.

Rex Begonia, assorted, 3-in., \$5 per 100. The Dingee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Bush box, 12 ins., 30c each; \$25 per 100. Storrs & Harrison Co., Painesville, O.

Boxwoods, Pyramids, 18 in., 50c each; 2 ft., \$1.00 each; 2 1/2 ft., \$1.50 each; 3 ft., \$2.00 each; 3 1/2 ft., \$3.00 each; 4 ft., \$4.00 each; 4 1/2 ft., \$5.00 each. Cash. F. O. Franzen, 1476 Summerdale Avenue, Chicago, Ill.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, tuberose, true dwarf Pearl, 1st size, 4-6 in., \$9 per 1,000; medium, 3-4 in., \$5; mammoth, 6-8 in., \$15. Gladiolus, Mrs. Francis King, 1 1/2 to 1 3/4-in., \$17 per 1,000; Augusta, 1 1/2 to 1 3/4-in., \$16; America, 1 1/2 to 1 3/4-in., \$27.50; Kunderi "Glory," per 100, \$7.50; per 1,000, \$70. Florist XXX mixed, \$15 per 1,000. Princeps, \$10 per 100; red and scarlet shades, \$11 per 1,000; pink shades, \$13.50. Caladium esculentum, 5-7 in., \$15; 7-9 in., \$30. Lilium rubrum, 9-11, \$80 per 1,000. Lilium auratum, 8-9, \$50; 9-11, \$80. Vaughan's Seed Store, Chicago and New York.

Bulbs, Gladiolus, America, \$3.50 per 100; \$30 per 1,000; Augusta, \$2.25 per 100; \$20 per 1,000; Francis King, \$2.75 per 100; \$25 per 1,000; White and light mixture, \$1.75 per 100; \$15 per 1,000. Caladiums, 5-7-inch., \$2 per 100. Gloxinias, separate, \$3.50 per 100; \$30 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

PEARL TUBEROSE BULBS, 3 to 4 inches circum., 75c per 100; \$6 per 1,000; 4 to 6 inches, \$1.25 per 100; \$12 per 1,000. Packing included, and f. o. b. Richmond, Va. T. W. WOOD & SONS, Seedsmen, Richmond, Va.

Japan Lily bulbs, Lilium giganteum, longiflorum, Formosa, multiflorum, magnificum, Melpomene, rubrum, album, anatum, etc. The Japan Lilium Co., 952 40th St., Oakland, Calif.

Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lilies. E. S. Miller, Wading River, N. Y.

Bulbs, Begonias and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, Surplus of L. Multiflorum, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, Dutch. W. J. Eldering & Son, Overveen, Holland.

CANNAS.

THE IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crimson Bedder, Chas. Henderson, David Hart, Allemania, Shenandoah, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Cannas, well started. Austria, Italia, \$1.00 per 100. Florence Vaughan, Chas. Henderson, \$1.50 per 100. J. D. Eisele, Louisiana, Pennsylvania, Mlle. Berat, \$2.00. King Humbert, \$4.00 per 100. Salvia, 2 1/2-in., blue ageratum, sweet alyssum, verbenas, \$2.00. Coleus, Golden Bedder, Verschaffeltii, Firebrand, John and Annie Fitzer, \$2.00. Cobaea vines, 2 1/2-in., \$3.00. Boston, Elegantisima and Scotti ferus, \$3-in., \$5.00 per 100. J. W. Yates, Box 110, Tuskegee Inst., Ala.

Cannas, 10 varieties, 3-in., \$4 per 100. King Humbert, 3-in., \$6. Jos. H. Cunningham, Delaware, O.

Canna King Humbert, 3 1/4-in., \$8 per 100. Cash, please. Heini's Greenhouses, West Toledo, Ohio.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

CARNATIONS.

CARNATIONS.

Table with columns: Variety, Price per 100, Price per 1000. Includes Washington, White Wonder, White Enchantress, etc.

CHICAGO CARNATION CO.

A. T. Pyfer, Mgr., 30 E. Randolph St., Chicago.

FINE CARNATION CUTTINGS.

Table with columns: Variety, Price per 100, Price per 1000. Includes Victory, Washington, Enchantress.

VIETOR BROTHERS,

162 N. Wabash Ave., Chicago.

Carnations, extra fine strong stock in the following varieties: Enchantress, Pure White Perfection, \$3 per 100; \$25 per 1,000. Beacon, Dorothy Gordon and Mrs. C. W. Ward, \$3.50 per 100; \$30 per 1,000. White Wonder and Gloriosa, \$6 per 100; \$50 per 1,000. I guarantee to please you. 250 at 100 rate. Cash or reference. A. A. Gannett, Geneva, N. Y.

Carnations, White Wonder, Norwood, \$6 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Enchantress, Enchantress, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Rose Pink Enchantress from soil, \$24 per 1,000. Enchantress from soil, \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

EXTRA CHOICE CARNATIONS, Winsor, White Lawson and Victory. Closing out surplus of young stock. All choice, extra large plants, ready for bench or field, \$3.50 per 100; or \$30 per 1,000. Cash or reference. ELITCH-LONG GREENHOUSES, Denver, Colorado.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000; White Winsor, \$6 per 100; \$50 per 1,000. Smith & Gannett, Geneva, N. Y.

Carnations, Washington, \$4 per 100; \$35 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000. Beacon, \$3 per 100; \$25 per 1,000. May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward, White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnations, strong 2-in. stock, Mrs. C. W. Ward, Alma Ward and Dorothy Gordon, \$3.50 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Carnations, Washington, from pots, \$5 per 100. A. M. Herr, Lancaster, Pa.

Carnations. F. Dornier & Sons Co., La Fayette, Ind.

Carnations, rooted cuttings, White, Light Pink and Enchantress, \$20 per 1,000. Percy Jones, 56 E. Randolph St., Chicago.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, strictly first-class stock, White Chadwick, Yellow Chadwick, White Jones and Yellow Jones, R. C., \$2.50; 2 1/2-in. pots, \$3.50 per 100. Otto J. Hembreiker, Lincoln, Ill.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Pochmann Bros. Co., Morton Grove, Ill.

HEADQUARTERS

Table listing chrysanthemum varieties and prices: White, Mrs. Buckbee, W. Bonaffon, Tousset, Estelle, W. Gloria, Golden Glow, Moorovia, Robt. Halliday, Col. Appleton, Golden Eagle, Nagoya, Pink, Rosiere, Pacific, Monogram, Dr. Enguehard, Maud Dean, J. Rosette, Mrs. Late Pink, Marian Newell.

POMPONS.

Table listing pompon varieties and prices: White, Baby Margaret, Diana, Lulu, Yellow, Quinola, Baby, Pink, Ladysmith, Emille.

VIETOR BROS.,

162 N. Wabash Ave., Chicago.

SMITH'S CHRYSANTHEMUM BULLETIN.

Strictly first-class Stock from 2 1/2-in. pots. Clemantine Touset, Comoleta, Early Snow, Golden Glow, Moorovia, Mrs. H. W. Buckbee, Robert Halliday, Col. D. Appleton, Dr. Enguehard, Major Bonaffon, T. Eaton, Vivian-Morel, Helen Frick, Maud Dean, Venetta, White Bonaffon, Lanoma, Mrs. W. E. Kelley, Nagoya, \$3 per 100; \$25 per 1,000. Golden Wedding, Lynnwood Hall, Pres. Roosevelt, Intensity, W. H. Chadwick, White Helen Frick, Dolly Dimple, Winter Cheer, Golden Chadwick, Pockett's Crimson, Mrs. O. H. Kahn, Greenview, Wm. Duckham, \$4 per 100; \$35 per 1,000. Chadwick Improved, \$5 per 100; \$40 per 1,000. We are now booking orders of the following for May delivery. Chrysolara, \$15 per 100. Smith's Advance, Unaka, Dick Witterstaetter, Thanksgiving Queen, Roman Gold, \$6 per 100. The foregoing are only a partial list of varieties we carry in stock. All others will be quoted on application. ROOTED CUTTINGS: \$2.50 per 100; \$17.50 per 1,000 for those quoted at \$3 per 100. \$3 per 100; \$22.50 per 1,000 for those quoted at \$4 per 100. \$4 per 100; \$30 per 1,000 for those quoted at \$5 per 100; 25 at 1,000; 250 at 1,000 rate. For colors and flowering season refer to our catalogues for 1912. This advertisement will be changed weekly to comply with stock on hand.

Patty, Pacific Supreme, Amorita, Mlle. M. Desjouis, Mayor Weaver, Klondike, Diana, \$3 per 100. Elise Papworth, Pres. Roosevelt, Beatrice May, M. Loiseau-Rousseau, T. Carriatoo, Geo. W. Poole, Blackhawk, \$4 per 100. Merza, \$5 per 100. ELMER D. SMITH & CO., ADRIAN, MICH.

CHRYSANTHEMUMS.

March 1st delivery.

Table listing chrysanthemum varieties and prices: Crimson, Pickett's Crimson, Intensity, White, Alice Byron, Touset, October Frost, Yellow, Crocus, Golden Glow, Halliday, Maj. Bonaffon, Pink, Pacific Supreme.

J. D. THOMPSON CARNATION CO.,

JOLIET, ILL.

CHRYSANTHEMUMS. Strictly first-class rooted cuttings of the following varieties: Maj. Bonaffon, White Ivory, Amorita, Rosiere, DeKalb, October Frost, Golden Glow, Moorovia, \$2 per 100; \$15 per 1,000. Clemantine Touset, Jeanne Nodin, Dr. Enguehard, Vivian-Morel, Mrs. Robinson, Timothy Eaton, Maud Dean, Col. Appleton, Robt. Halliday, Helen Frick, Yellow Eaton, Golden Wedding, Thurkle, etc., at \$2.50 per 100; \$20 per 1,000. Cash or satisfactory reference. ELITCH-LONG GREENHOUSES, Denver, Colorado.

Chrysanthemums, strong rooted cuttings. White: Alice Byron, Chadwick, Early Snow, \$2 per 100; \$18 per 1,000. Poly Rose, \$1.50 per 100; \$15 per 1,000. Pink: Patty (Enchantress color), \$2.50 per 100; \$20 per 1,000. Pacific Supreme, \$2 per 100; \$15 per 1,000. Dr. Enguehard, \$1.50 per 100; \$15 per 1,000. Yellow: Dolly Dimple, Nagoya, Golden Eagle, \$2 per 100; \$18 per 1,000. Bonaffon, Robt. Halliday, \$1.50 per 100; \$15 per 1,000. Cash with order. Shipped direct from greenhouses. A. L. Young & Co., Wholesale Florist, 54 W. 28th St., New York City.

CHRYSANTHEMUMS, R. C., \$2; 2 1/2-in. \$3.50; 3-in., \$5. White: Kalb, Bonaffon, J. Jones, Robinson, Pick: Ivory, J. K. Shaw, Dr. Enguehard, Maud Dean, Moorovia, Robt. Halliday, Golden Wedding, Yellow Chadwick, Golden Glow, Bonaffon, Golden Age, Appleton. GEO. A. KUEHL, Pekin, Ill.

Chrysanthemums, Major Bonaffon, Standard yellow, every plant well rooted, \$1.50 per 100; \$12.50 per 1,000. Cash with order. Charles M. Weaver, Ronks, Pa.

Chrysanthemums. Our collection of over 50 varieties cover all that is desirable. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums. Chas. H. Totty, Madison, N. J.

Chrysanthemums, commercial varieties. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums. Wm. Swayne, Box 85, Keenett Square, Pa.

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

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COBAES.

Cobaea, 2 1/2-in., \$3.50; 3-in., \$6.00 per 100. 15 to 20-in. vines. Wonsstler Greenhouses, Bryan, O.

Coleus, 10 varieties, 2 1/2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

COLEUSES.

Coleus, Verschaffeltii, G. Bedder, and mixed standards, \$6 per 1,000; 4-in. pots, \$3.50 per 100. Giant leaved, 2-in., \$3.50 per 100; from sand, \$2. A. M. Herr, Lancaster, Pa.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

CYCLAMENS.

Cyclamen Gigantea, transplanted Aug. seedlings, Cream of English and German strain, including orchid and best salmon flower, 10 separate varieties, 4-6 leaves, ready to pot, \$3 per 100; \$25 per 1,000. Rober & Radke, Maywood, Ill.

Cyclamens, 3-in. pots, \$10 per 100; \$80 per 1,000. Julius Roebro Co., Rutherford, N. J.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, leading kinds, \$3.50 per 100; \$30 per 1,000. Divided field-roots, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Dahlias, strong divisions, best cut flower sorts, grown from divisions, cut plants. The W. K. Fletcher Bulb and Floral Co., shipping point, Des Moines, Valley Junction, Iowa.

Dahlias, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias, new and standard varieties. Bassett & Weller, Hammon, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

DAISY HEADQUARTERS. We offer the three best, Mrs. Sander, Sotlet d'Or (yellow), and Queen Alexandra, strong plants from 2 1/2-in. pots, \$5 per 100. WIBLAND & RISCH, 154 N. Wabash Ave., Chicago.

DRACAENAS.

Dracaena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; 5 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Dracaena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roebro Co., Rutherford, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Dracena Indivisa, 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$4 per doz.; \$30 per 100. Large plants in 7, 8 and 9-in. pots, 75c, \$1, \$1.50 and \$2 each. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracena Indivisa, 5-in., 20c; 6-in., 30c; cash, please. Heini's Greenhouses, West Toledo, Ohio.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmons, Newton, N. J.

FERNS.

Ferns, Amerpohl, Barrows, Scott. Elegantsissima, Boston, Jackson, Sword and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dungee & Conard Co., West Grove, Pa.

Ferns for dishes, transplanted, ready for potting. Five varieties, \$1 per 100; \$9 per 1,000; 2-in., 8 varieties, \$3 per 100; \$25 per 1,000. Cash, please. Rober & Radke, Maywood, Ill.

Ferns for dishes, transplanted, ready for pots. 5 vars., \$1.00 100; \$9.00 1000. To make room—2-in., 8 vars., \$2.50 100; \$20.00 1000. *Aspidium renseilense*, *Cyrtomium falcatum*, \$3 100. Cash please. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns, 4-in., \$12 per 100. Boston, Barrowal, Elegantsissima. Also 2 1/2-in. Boston, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmons, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, fine, double flowers, the best of all, \$1 per 100; \$9 per 1,000. Free- paid. C. Humfeld, Clay Center, Kan.

GERANIUMS.

ROOTED GERANIUM CUTTINGS.

S. A. Nutt, Gen. Grant, Beate Poitevine, Mme. Buchner, strong selected top cuttings which will make 2 1/2 or 3-in. stock for May trade, \$1.25 per 100; \$12 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, S. A. Nutt, Ricard, Beate Poitevine, White Buchner, 3-in., 6c; 4-in., 7c and 8c, good stocky plants in bud and bloom. Cash with order. Gus Schlegel, Olney, Ill.

GERANIUM SCARLET BEDDER.

An improved S. A. Nutt, being brighter in color and surpassing this popular sort in freedom of bloom. Strong plants, 30c each; \$2.50 per 100; \$20 per 1,000.

ELMER D. SMITH & CO., Adrian, Mich.

Geraniums, \$10 per 1,000, Poitevine, Ricard and S. A. Nutt. A. M. Herr, Lancaster, Pa.

Geraniums, standard sorts, strong plants, well grown, 4-in., \$5 per 100; 3-in., \$6 per 100. Jas. Jackson, Kalamazoo, Mich.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, Nutt, and 5 varieties 3-in., my selection, \$6 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, S. A. Nutt, 4-in., \$7 and \$8; 3-in., \$5 per 100. Beate Poitevine, 3-in., \$6 per 100. Otto J. Hembreker, Lincoln Ill.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Southern Wild Smilax. Caldwell The Woodman Co., Evergreen, Ala.

Greens. Henry M. Robinson & Co., 46 W. 26th St., New York.

HARDY PLANTS.

Hardy garden pinks, "Homer," double clove pink, field-grown flowering clumps, \$4 per 100; in 1,000 lots, \$38 cash. Stevens' Gladioli Company, Saginaw, Mich.

HARDY PLANTS.

Hardy Native Ferns and Plants. Catalog for asking. L. E. Williams, Exeter, N. H.

Hardy perennials. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Recae Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangeas for summer dowering, 11-in. pull-tubs, 5 to 6 leads, \$1 each; 12-in. Riverton tubs, 8 to 10 leads, \$2.50 each; 14-in., 10 to 12 leads, \$3.50 each. Joanne d'Arc, 6-in. pots, 25c each; 10-in. pull-tubs, 75c. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

English Ivy, 2 1/2-in., \$3 per 100. The Good & Recae Co., Springfield, O.

English ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

JASMINE.

Cape Jasmine, \$6.50 per 1,000; \$30 per 5,000; \$55 per 10,000. Alvin Japanese Nursery Co., Alvin, Texas.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Harburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the Valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, Brun's Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$13 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Brun, 3032 W. Madison St., Chicago.

MOONVINES.

Ipomoea grandiflora, 2 1/2-in., need a shift, \$3.00 per 100. Wonsler Greenhouses, Bryan, O.

MUSHROOM SPAWN.

Mushroom Spawna. Lambert's Pure Culture. American Spawna Co., St. Paul, Minn.

NURSERY STOCK.

NURSERY STOCK.

Hardy Native Ornamental Stock. Catalog for asking. L. E. Williams, Exeter, N. H.

Nursery stock, *Ampelopsis Veitchii*, *Clematis paniculata*, privet shrubs, vines, bulbs, etc. Benj. Connell, Merchantsville, N. J.

Nursery stock of all kinds. Felix & Dykhins, Boskoop, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, ornamental trees and shrubbery. The Wm. H. Moon Co., Morrisville, Pa.

Evergreens. D. Hill Nursery Co., Box 404, Dundee, Ill.

ONION SETS.

Choice, unaprooted onion sets, yellow, \$1.70; white, \$2 per 32 lbs. Bushel sacks included. Sula Seed Store, 544 W. 63rd st., Chicago.

ORCHIDS.

Orchids, cattleyas, dendrobiums, *Cypripedium fusigine*, poms, pots and baskets of 4 to 12 bulbs, 50c to \$1 each. A. J. Binley, Glens Falls, N. Y.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sauderosa Lane, Reliance, England.

Orchids, Cattleya and Laelia Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid pent. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Phoenix Canariensis and *Arecia Sapida*. For prices see advertisement elsewhere in this issue. The Kenton Nurseries, Santa Barbara, Calif.

Cycas stems, dormant, 50 lbs., per lb., 10c; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs and up, 7 1/2c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

150,000 pansy plants, full transplanted, best strains, in colors or mixed, \$2.25 per 1,000. Strong seedlings, \$1.25 per 1,000. Cash with order. Henry Greene, Ft. Hamilton Ave. and 2nd St., Brooklyn, N. Y.

Pansies, 60,000 large stocky (Sept. transplanted) field-grown blooming pansy plants. Henry Mette's strain, \$1 per 100; \$10 per 1,000. Cash. The Brill Celery Gardens, Kalamazoo, Mich.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, strong transplanted plants, large flowering, \$4 per 1,000; 50c per 100. Cash. Gus Schlegel, Olney, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlugs, Olean, N. Y.

PEONIES.

Peonies, good strong divisions in mixed varieties, 5c. The Mosbæk Greenhouse Co., Onarga, Ill.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, \$3 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash please. Rober & Radke, Maywood, Ill.

PRIVET.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dungee & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 18 to 24 ins., 8 to 12 buds, 75c each; 24 to 30 ins., 12 to 16 buds, \$1 each; 30 to 36 ins., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 ins. named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

ROOTED CUTTINGS.

Rooted cuttings, Salvia, 80c per 100; \$7 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Petunias, \$1.25 per 100; \$10 per 1,000. Heliotrope, 80c per 100; \$7 per 1,000. Daisies, \$1 per 100; \$8 per 1,000. Feverfew, \$1 per 100; \$9 per 1,000. S. D. Brant, Clay Center, Kans.

ROSES.

Roses, 2 1/2-in. Am. Beauties, \$5 per 100; \$45 per 1,000. W. and P. Killarney, \$4 per 100; \$35 per 1,000. American Beauty, \$5 per 100; \$45 per 1,000. W. and P. Killarney, \$4 per 100; \$35 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

"You Do Not Find What You Need in Our Ready Reference Department, Write Us About It"

CHOICE ROSE PLANTS.

	Per 100	Per 1,000
American Beauties 2 1/2 in.	\$6.00	\$50.00
Pink Killarney 2 1/2 in.	4.00	35.00
White Killarney 2 1/2 in.	4.00	35.00
Richmond 2 1/2 in.	3.00	25.00
Jardine 2 1/2 in.	3.00	25.00
Uncle John 2 1/2 in.	3.00	25.00

Ready Now, Order Early.

WIETOR BROS.,

162 N. Wabash Ave. Chicago

ROSES—ROSES.

Richmond, 2-in. pots.....	\$35.00	per 1,000
Kaiserin, 2-in. pots.....	35.00	per 1,000
Mrs. Aaron Ward, 2-in. pots...	10.00	per 100
Melody, 2-in. pots.....	10.00	per 100

SALVIA splendens, 2-in., pots, \$2.00 per 100; 3-in. pots, \$3 per 100. Cash with order.

J. HENRY BARTRAM, Lansdowne, Pa.

ROSES.

	2 1/2-in.	3-in.
American Beauties	\$6.00	\$8.50
Bride	3.50	6.00
Bridesmaid	3.50	6.00
Ivory	3.50	6.00
Uncle John	3.50	6.00
Richmond	4.00	7.50

GEO. A. KUHL, PEKIN, ILL.

19,000 ROSE PLANTS, Bride, Pink Killarney and Richmond. MAKE US AN OFFER on the whole lot or part and if it sounds good they are yours. They are all fine, healthy bench plants, but must be sold at once to make room for our new Rose Wilhelmina. A bargain for some one. Grab it now. HOERBER BROS., Des Plaines, Ill.

Roses, My Maryland, 2 1/2-in., \$5 per 100; \$40 per 1,000. Pink Killarney, from bench, \$5 per 100; \$35 per 1,000. Bench Beauties, \$6 per 100; \$50 per 1,000. 2 1/2-inch Pink Killarney, White Killarney, \$5 per 100; \$40 per 1,000. Mrs. Taft, \$8 per 100; \$50 per 1,000. J. A. Budlong, 82 E. Randolph St., Chicago.

CHOICE ROSE PLANTS.

	Per 100	Per 1,000
2,000 Richmond, 2 1/2-in.....	\$8.00	\$60.00
1,500 Melody, 2 1/2-in.....	8.00	60.00
1,000 My Maryland, 2 1/2-in.....	8.00	60.00

SINNER BROS.

82 E. Randolph St., Chicago, Ill.

Roses, 2 1/2-in., American Beauty, \$5.50 per 100; \$50 per 1,000. White Killarney, Pink Killarney, \$5 per 100; \$40 per 1,000. My Maryland, \$5 per 100; \$40 per 1,000. Perles, Richmond, \$4 per 100; \$30 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses, grafted, Mrs. Aaron Ward, \$12 per 100. White Killarney, \$12; Rhea Reid, \$12. Perles, own roots, \$3.50 per 100; 2 1/2-in. pots, \$30 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Rose Madison, 2 1/2-in., plants ready for delivery now, 25 to 500 plants, 25c each; 500 plants or over, 20c each. Brant-Heutz Flower Co., Madison, N. J.

Roses, Mrs. Taft, 2 1/2-in., \$6.50 per 100; \$60 per 1,000; 3-in., \$8 per 100; \$75 per 1,000. Welland & Risch, 154 N. Wabash Ave., Chicago.

Roses, Killarney and White Killarney, 2 1/2-in., \$5 per 100; \$45 per 1,000. Castle Grove Greenhouses, Dansville, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehmann Bros. Co., Morton Grove, Ill.

Roses, Ramblers, hybrid teas, hybrid per-petulus, dwarf polyanthas, Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, Killarney and Double White Killarney, grafted and own roots. A. N. Pierson, Inc., Cromwell, Conn.

ROSES. Send for New Trade List just out. THE CONARD & JONES CO., West Grove, Pa.

New Gold Medal Roses for 1912. Hugh Dickson, Ltd., Belfast, Ireland.

Roses. Eastern Nurseries, 1090 Centre St., Jamaica Plain, Mass.

Rose Radiance, 2 1/2-in., \$1 per doz.; \$6 per 100. The Good & Reese Co., Springfield, O.

SALVIAS.

Salvias, atrong 2 1/2-in. plants, 2c. Cash. Gus. Schlegel, Olney, Ill.

SEEDS.

Seeds, larix, pinus, cinnamon, abies, mella, etc. T. Ameliya & Co., 220 Clement St., San Francisco, Calif.



The Meyer Green Silkaline

The Best Thread on The Market for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass. THE LOWELL THREAD MILLS.

SOW NOW if you want them for early Spring sales. 8 tr. Tr. Pkts. Pkts.

Begonia Bedding Queen, finest pink.....	\$2.50	\$0.50
.. Gracilla luminosa, finest red.....	2.50	.50
.. Triumph, finest white.....	2.50	.50

O. V. Zangen, Hoboken, N. J.

Seeds, sweet peas, Burnett Bros., 72 Cortlandt St., New York.

Seeds, beet, cabbage, celerics, parsley, purselanes, turnips. R. & M. Godineau, Angers, France.

Seeds, specialties, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, N. J.

SMLAX.

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlinga, Olean, N. Y.

STRAWBERRY PLANTS,

Strawberry plants, Senator Dunlop, \$2.50 per 1,000. Mosbak Greenhouse Co., Onarga, Ill.

VEGETABLE PLANTS.

TOMATOES—Stone, Beauty, Champlon, Ponderosa, atrong transplanted plants, \$2.50 per 1,000. Ready May 1.

CELERY—White Plume, Golden Self-Blanching, strong transplanted, \$2.50 per 1,000. Ready May 1.

Early Jersey Wakefield Cabbage plants, \$1 per 1,000, fine plants; selected stock, \$2 per 1,000. Grand Rapids lettuce plants, \$1 per 1,000. DANVILLE FLORAL CO., Danville, Ill.

SWEET POTATOES—Early Yellow Jersey, \$1.00 per 1,000. No order accepted for less than 5,000 lots. Ready May 15. Cash with order. Henry Greene, Ft. Hamilton Ave. and 2nd St., Brooklyn, N. Y.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. Slus Seed Store, 544 W. 63rd St., Chicago.

VERBENAS.

Verbenas, mammoth white purple, Defiance, Mayflower, 60c per 100, separate colors. Gigantea, mixed with white eye, very fine, 75c per 100. Rober & Radke, Maywood, Ill.

Verbena Mammoth mixed, strong 2-in., 2c. Cash. Gus. Schlegel, Olney, Ill.

VINCAS.

Vinca variegata, extra strong grown at edge of benches, 2 1/2-in., 3c; 3-in., 6c; 3 1/2-in., 8c; 4-in., 10c. Cash, please. Heil's Greenhouses, West Toledo, Ohio.

Vinca variegated, 4 and 5-in., 6, 8 to 10 long streamers, fine plants, 12c each. Cash. Gus. Schlegel, Olney, Ill.

Vincas, rooted cuttings, very atrong, \$1 per 100; \$8 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

Vinca, new golden (minor aurea), 3-in., \$2 per doz.; \$15 per 100. Wm. Tricker, Arlington, N. J.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Fineat articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staple, 50c per 1,000, prepaid. I. L. Pillsbury, Galeburg, Ill.

FERTILIZERS.

Canadian Unleached Hardwood Ashes, best fertilizer in use, \$11 per ton. Geo. Stevens, Peterborough, Ont.

Boilers OF HIGH GARDE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water GIBLIN & CO., Utica, N. Y.

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES.

527 Plymouth Place, CHICAGO

GUTTERS

Guttera, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

Guttera, Jennings' improved iron gutters. Diller, Caskey & Keen, Sixth and Berk Sts., Philadelphia.

MISCELLANEOUS.

Clara cemetery vases, 12 ina. high, doz., \$2.50; barrel of 3 doz., \$6, f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

Tree tubs, 35c each; \$4 per doz.; \$30 per 100. T. Ameliya & Co., 220 Clement St., San Francisco, Calif.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Peerless refrigerators. Jas. Lederer, 644 W. Madison St., Chicago.

Ribbons and chiffons. Wertheimer Bros., 565 Broadway, New York.

Raffia for florists. Vaughan's Seed Store, Chicago and New York.

Baskets, see advertisement elsewhere in this issue. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Dennison Florist Tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Iron reservoir vases and lawn settees. McDonald Bros., Columbia, O.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Florists' Supplies. Henry M. Robinson & Co., 46 W. 26th St., New York.

POTS, PANS, ETC.

Flower pots and nothed aspb. Good second-hand pots, 2 1/2 to 6-in., also good strong hot-bed sash. If interested write The Mosbak Greenhouse Co., Onarga, Ill.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

THE KROESCHELL GREENHOUSE BOILER

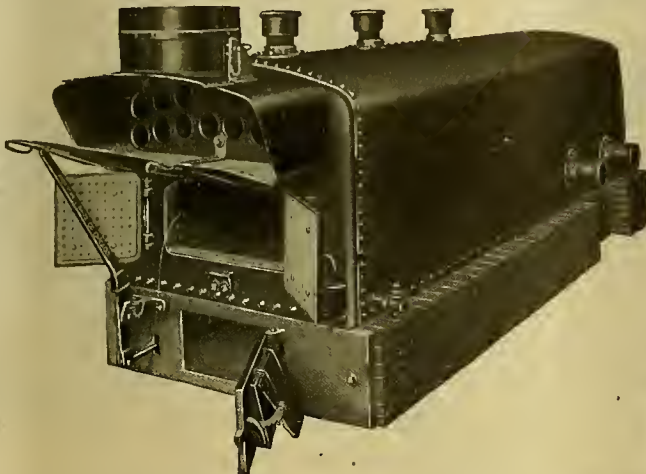
Here is the boiler that is making the most wonderful greenhouse heating record in the world. Florists and gardeners who have used other makes are constantly giving the Kroeschell Greenhouse Boiler the highest praise.

10,788,000 square feet of glass was equipped with the Kroeschell Boiler during the past five years. You will find the new 1910 model Kroeschell Hot Water Boiler in every state in the Union and Canada.

Our Eastern business has been exceedingly heavy the past season.

**NOT
CAST
IRON**

**ORDER
YOUR
KROESCHELL
BOILER
NOW**



**NOT
CAST
IRON**

Kroeschell vs. Cast Iron Boilers

Over 1500 Cast Iron Boilers were replaced by the Kroeschell Greenhouse Boiler during the past six years. It is a common occurrence for a Kroeschell to replace two to four cast iron boilers at a single place: this is the CENTRAL HEATING SYSTEM PLAN, and has saved many florists hundreds of dollars per season in fuel alone, besides a big saving in labor.

OUR HEATING ENGINEER has probably had more practical experience in this line than any other greenhouse man, and we place his experience at your service.

What The Users Say

Kroeschell Replaces Three (3) Cast Iron Boilers,

We purchased of you this spring a No. 6 Kroeschell Boiler, which you guaranteed would take the place of three cast iron boilers. Well, the whole thing in a nutshell is this—your word is as good as gold. Night before last we had a severe storm of snow and sleet and a very high wind; we had not the least bit of trouble. We fired the last at 10 p. m., November 24, and the next morning at 7 o'clock we looked at the houses and found it only 1 degree less than when we fired the last coal, 9 hours earlier. If this isn't magnificent work and a good test, we would be pleased to hear from anyone else that could furnish a better boiler. We know if parties wishing a boiler would get one from you they never would try any other. We think in 5 years' running of this boiler we will have the price saved in the difference in our coal bill. Wishing you the best of success, we remain,
Very truly yours,

ADAM LAUB & SON, Hughsonville, N. Y.

Kroeschell Boiler Better than Tubular Boilers or Cast Iron Boilers.

WASHINGTON COURT HOUSE, OHIO.

Have used upright boiler, tubular boiler and cast iron boiler. The Kroeschell Boiler heats up better and easier than any other boiler we have ever had anything to do with. If we ever buy another, it will certainly be a Kroeschell. Very truly yours,
POOLE & PURLLANT.

Kroeschell Piping System—

Circulation is perfect. Cheaper and better than 1, 1½, 1½, or 2-in. threaded pipe. Overcomes all the disadvantages of 4-in. cast iron pipes. No deep boiler pits required.

The Kroeschell Generator—

Cures sluggish circulation. Water travels three to five times faster. Saves fuel. Prevents boiling over. Water can be heated to 240 degrees without boiling, making it possible to have steam temperatures in your piping if wanted. Greatly improves systems having long mains and coils. Can be connected to any hot water system, no matter what kind of boiler or piping is used. Easy to install—simply attach to your present expansion pipe.

What The Users Say

Cast Iron Boilers Cause Freeze-out—Kroeschell Boilers no Worry.

I bought a No. 2 boiler in 1902. Takes care of 7000 sq. ft. of glass—would take care of 2000 more. I have had a cast iron boiler, but it broke down twice in four years, always in the coldest weather. It broke down Dec. 29, 1904, and I lost all my stock in consequence. I have now two No. 2 and one No. 6 Kroeschell Boilers and do not worry about their breaking down. GRANT NEWPORT, Cedar Rapids, Ia.

The Kroeschell Does Our Work Easier than Cast Iron Boilers and Saves 20% to 25% Fuel.

The No. 4 boiler is heating 10,000 sq. ft. of glass—it would take care of 13,000 sq. ft. easy. Have no trouble to keep temperature of 50 and 60 degrees in coldest weather. The boiler has given perfect satisfaction. We had two cast-iron boilers, one rated for 1200 ft. of pipe and one rated for 1500 ft. These boilers never did the work at their best and when the greenhouses were new. According to our experience with yours, we will save 20 to 25 per cent of fuel. HILD BROS., Lake Forest, Ill.

Try the Kroeschell First—It's Ahead of Them All.

I have had eight or ten other types of boilers. The Kroeschell is the best I have ever used. Your boiler heats the water very quickly—almost as fast as steam. Yours very truly,
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SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

THE ALLIED TRADES

The New Kroeschell Boiler.

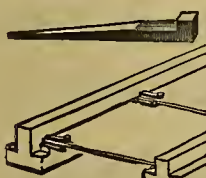
Kroeschell Bros. Co. have under construction the largest hot water boiler ever constructed for greenhouse heating. The new size, No. 18, has a capacity of 106,800 square feet of glass, and will be used for a new range of houses near Toledo, O. The above plant will be equipped with a modern hot water central heating system, hot water forced circulation. The heating equipment includes one No. 14 Kroeschell boiler, one No. 18 Kroeschell boiler, duplicate circulating pumps, which will be operated by steam and electricity. A small steam boiler is also being installed for the circulating pumps.

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We Manufacture all Our Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glass-ware, Pottery, Decorative Greens and all Florists' Requisites.

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Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive ¼ and ½ inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

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If You Are One,
Get Unwrapped.

Terse Talk No. 6.

A MUMMY is a dead one.

A dead one that is wrapped up in strips of linen soaked in spices and preservatives.

Mummies belong to the past.

Some growers are mummies.

They are all wrapped up in old-fashioned methods. Soaked in back number building ideas.

What is going to happen to them?

Same thing that happened to the mummies.

Are you one of the mummies?

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It will be a great help in finding out.

Next Week's Terse Talk—
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—It Tangles You Up."

Hitchings & Co.

Elizabeth, N. J.

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"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

J. Jaeger, a User, Says This About
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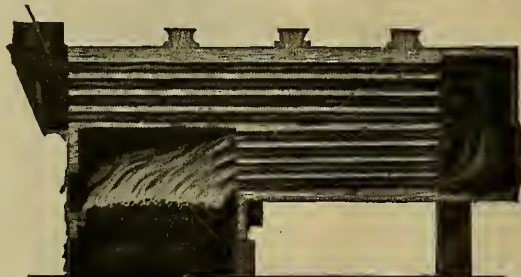
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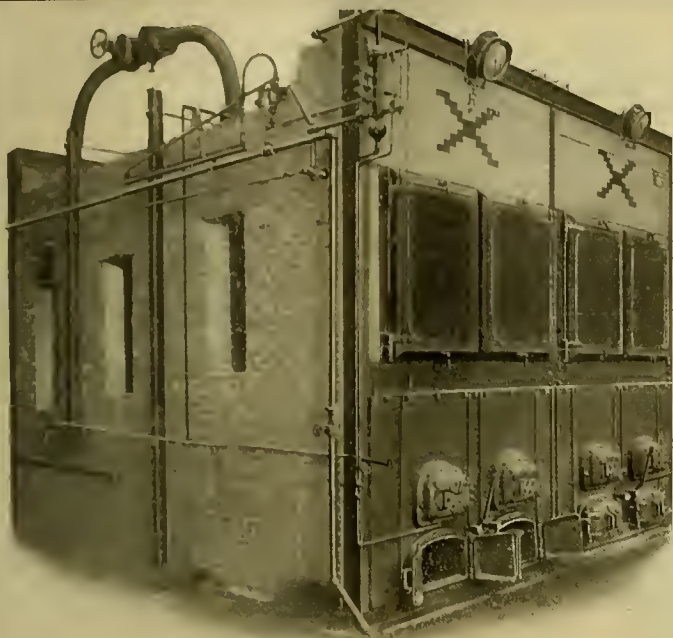
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ANY LENGTH UP TO 32 FEET LONGER.
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See Page 892.

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We furnish all kinds of Greenhouses:
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All designed to suit all requirements.
We also furnish
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IS THE **STRONGEST BEST PACKED EASIEST APPLIED**

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The Insecticide that kills plant Lice of every species

The insecticide that makes good. Will destroy green, black, white fly, red spider, thrips, mealy bug, brown and white scale, and all soft bodied insects. It is an oil and nicotine composition, used as a spray. \$2.50 per gallon—\$1.00 per quart.

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An infallible remedy for mildew, rust, soil fungi and other blights affecting flowers and vegetables. It is a sulphur preparation which does not stain the foliage, and is proving successful where Bordeaux mixture and lime and sulphur fail. \$2.00 per gallon—75c per quart. These products are readily soluble in water, used as a spray, at strength as per directions on cans, and are equally effective in the greenhouse, and in the garden.

Sold by Seedsmen.

Manufactured by **Aphine Manufacturing Company**
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Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

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Also Thomson's Special Chrysanthemum and Topdressing Manure, An Excellent Stimulant.

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D. D. Johnson's Celebrated EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

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The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. **Full pint bottles, \$1.50.**

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green Flies and Black ones too

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\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

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Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

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Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequaled for all field use. Write for circulars and prices.

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Richardson Greenhouse Boilers

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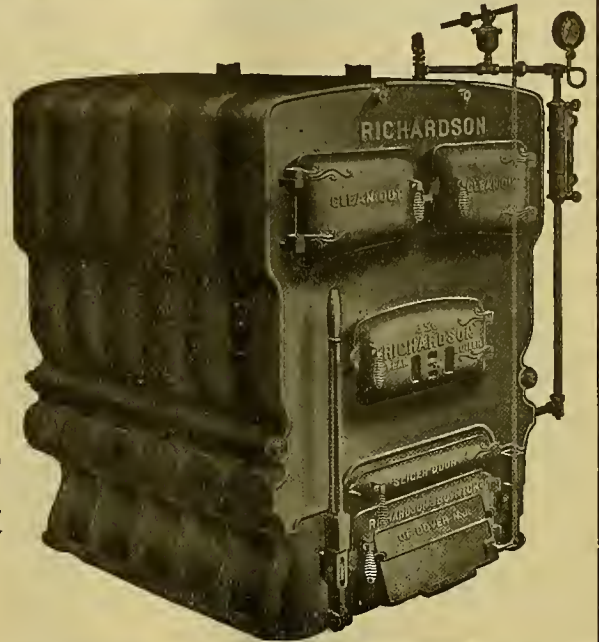
Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities



Guaranteed Ratings
Economy
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Send for
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Established 1837.

Richardson & Boynton Co.

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66 East Lake St., CHICAGO.

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Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind

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All Sizes LOWEST PRICES
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Tile Benches and Tile Bottoms
 Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
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1000 Letter Heads.....
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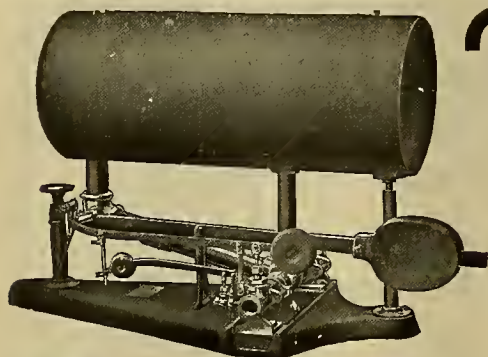
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Condensation in steam lines is akin to matter out of place—means wasted energy.

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The Mastin Automatic White-wash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.



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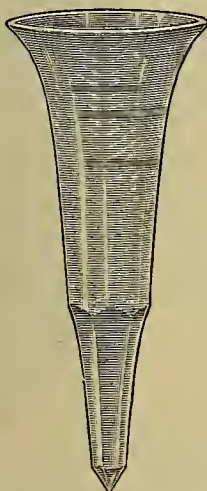
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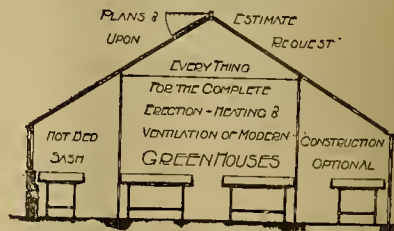
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POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

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1000 Ready Packed Grates Standard Flower Pots and Bulb Pans

Can be shipped at an hour's notice. Price per crate:

2000 1 1/2-in. cr.,	\$6.00	4564 1/2-in. cr.,	\$5.24
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1500 3 "	6.00	144 6 "	3.16
1000 3 "	5.00	120 7 "	4.20
800 3 1/2 "	5.80	60 8 "	3.00
500 4 "	4.50		

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August Rolker & Sons, 31 Barclay St., New York City Agents.

Our Specialty: Long Distance and Export trade.

Those Red Pots "STANDARDS"

Full size and wide bottoms.

BULB PANS and AZALEA POTS

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Standard Flower Pots

Porosity and Strength Unsurpassed.

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Flower and Vegetable Waterproof Paper Pots

Vaughan's Seed Store, Agents, CHICAGO and NEW YORK.

Waterproof, Don't Break, Cost Little

Shippers may use them and save their customers many dollars in express charges.



Sterling Iron Reservoir Vases
Chairs, Settees, Hitching Posts, Etc.
Complete Catalogue and Discounts Upon Request.

The Sterling Emery Wheel Mfg. Co., TIFFIN, OHIO, U.S.A.



This Beautiful Lawn Vase Only \$4.90.

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1 1/2 gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price \$4.90
4C12005, with arms, price, \$5.65
Special price made to dealers for quantity lots.

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We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

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Our Heating Dept. makes a specialty of complete Greenhouse Heating Systems. Send for our Special Heating Catalog No 47. Estimates furnished free of charge.


CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.



Iron Reservoir Vases AND Lawn Settees
Manufactured by **McDONALD BROS.,** COLUMBUS, O.

The largest manufacturers of these goods in America. Send for catalogue.

CHERRY RED Standard Flower Pots



Prominent Florists and Managers of Public Grounds claim for our pots quality that excels. It's in the clay. Use our pots and you will say as much. Prompt shipments guaranteed. Prices right.

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The MT. GILEAD POTTERY CO., Mt Gilead, O.
Successors to Smith Taomas.)

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DREER'S
Florist Specialties. New Brand - New Style. Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam & joint.

The HOSE for the FLORIST
3/4-inch, per ft., 15 c
Keel of 500 ft., " 14 1/2 c
2 Reels, 1000 ft., " 14 c
1/2-inch, " 13 c
Reels, 500 ft., " 12 1/2 c
Couplings furnished.

HENRY A. DREER,
714 Chestnut St., PHILADELPHIA, PA.

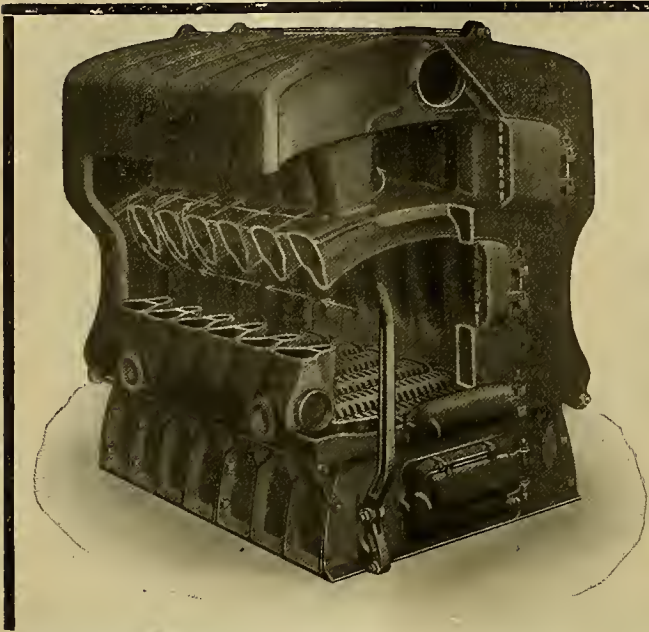
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For sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

Garden City Sand Co.

Chamber of Commerce Bldg., CHICAGO. Phons: Main 4827.
Building and Propagating Sands
Fire Brick and Fire Clay, Portland Cement
Stonkote, Hard Wall Plaster
R. I. W. DAMP RESISTING PAINT
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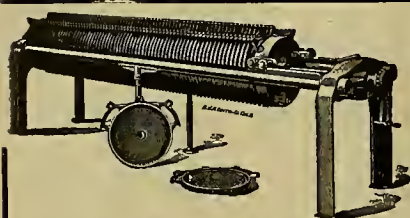
That's the question you must answer every time you buy a new one.

Don't decide, don't buy, and don't make up your mind until you have read our famous Bulletin No. 10. It's worth your while. Send for it. It's free.

John C. Moninger Co.,

902 Blackhawk St., CHICAGO.

EVERYTHING FOR THE GREENHOUSE



PATTERSON FILTER PRESS.

ENTERTAINMENT FROM Peters & Reed

This is the fifth article of a series showing machines used in our factory that are necessary to the production of high grade pottery.

The one shown here is known as the Filter Press. It is a long iron frame, through which extends a horizontal rod that carries the circular frames in segment like layers on which the filter sacks hang.

The soft clay is pumped from a cistern through a tube into these sacks and by the heavy pump pressure the water is separated from the solid part, which is then removed in soft smooth cakes perfectly free from all foreign matter and is ready for the last process, which will be given later.

Write for the illustrated description of the full scheme.

We make FLORISTS' RED POTS, all kinds, all sizes.

THE PETERS & REED POTTERY CO.
Room C, SOUTH ZANESVILLE, OHIO

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SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, 5/8 and 7/8. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert. Baum & Beatty Sts., Pittsburg.

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TREE TUBS

Bamboo Tire. Never Rust.

CHEAPEST, STRONGEST and MOST ARTISTIC.

Size: 15-in. top, 13-in. height, 11-in. bottom.

Price: Each, 35c; Per Dozen, \$4 00;
Per 100, \$30.00.

A trial order will convince you.

T. Amemiya & Co.

220 Clement Street, - SAN FRANCISCO, CALIF.

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We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts.,
CHICAGO.

L.D. Phones: Lincoln 410 and 411

PECKY CYPRESS

1 inch and 2 inches thick.

Random or Specified Widths

10 to 16 feet long.

Write Us For Prices.

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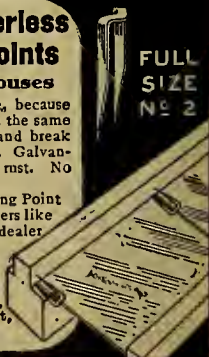
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Vol. XXXVIII.

CHICAGO AND NEW YORK, MAY 11, 1912.

No. 1249

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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WINDOW AND PORCH BOXES.

Decorative Features of Window Boxes.

Boxes of flowering and decorative plants make one of the finest embellishments for the city or suburban home whether the costly mansion or the humble cottage. Many owners of small estates object to cutting up the lawn into flower beds and since the almost universal discarding of fences and hedges on city lots, beds of plants are not safe from the depredations of dogs that roam at will, so the boxes and vases of plants which are so placed that they cannot be injured by trespassers are very popular, and where once adopted are seldom given up for they prove very decorative when properly filled and well cared for. In some of the larger cities and for the residences of wealthy people, boxes are filled with expensive plants and used in profusion, but the greatest demand is for boxes that are filled with the more common and cheaper plants such as geraniums and flowering bedding stock with vines and foliage plants. But to have these boxes thoroughly satisfactory the boxes must be so constructed that good growing conditions can be maintained and the mixture and composition of the soil should be such that will guarantee good results, and above all that the plants receive the necessary care.

Boxes and Soil.

The boxes must be made to conform to the location in which they are to be placed, but they should be made deep enough to hold the soil that will be required to sustain the plants through the season and should therefore be not less than six or seven inches deep, inside measurement. In regard to the length it is much to be preferred that they are not made over six feet long and for the easiest handling four feet is better, for if made in this length they can be filled at the greenhouses and can then be transported to the residences and fastened in their permanent locations. In cases where the space they are to occupy is longer than this the boxes can be made in sections for it entails much less labor to have the boxes about this length and have

two or three separate boxes rather than one long one. Where the boxes are made 10 or 12 feet long, they are too heavy to place after being filled and it will be necessary to transport the soil and plants and fill the boxes after they are permanently located, which will require more labor. Where boxes are used year after year it is preferable to make them of some durable wood such as cypress, chestnut or oak, but the majority of the cheaper boxes are made of spruce, hemlock or fir. There seems to be a good opening for a cement box that could be made light enough to be easily handled, and if such a box could be constructed, there is no doubt but that it would be largely employed for it would last much longer than any box made of wood. Many boxes are provided with galvanized trays that may be taken out of the wooden coverings and filled, but with the larger sized boxes these have to be very heavily made, and in this case it is necessary, and as well in the wooden boxes, that good drainage holes are provided. The boxes should be painted and the best effect is produced where they are of the same color as the house, but if not, green seems to be the color most used, but this makes a poor background for the hanging vines, yet light colored boxes soon become dirty unless the watering is carefully done. It seems as if it should be hardly necessary to state that the soil should be of the best compost, but we have often found many customers that thought any garden soil was good enough. But a compost of good sod and rotted manure with a generous addition of bone meal, well mixed, will give the best results and the box filled with good soil will make a much more creditable showing than the one filled with any old material. It can be safely said that to fully satisfy the customer it must be impressed upon their mind that the first necessity is the best of soil. Ample drainage of broken crocks should be placed in the bottom and a thin layer of moss will prevent the fine soil from washing down and blocking up the drainage. Be sure that the boxes are securely fastened, for after the

plants and vines have attained size they offer considerable resistance to high winds.

Plants for Window Boxes.

The grower who has many boxes to fill will require first a good assortment of trailing plants or vines for much of the effectiveness of these plant boxes is produced by the vines that droop in front of them. Vines, especially the variegated, are, as a rule, the most popular and they should be well grown with plenty of streamers. Ivies, both English and German, are used in large quantities, and the former if well grown are very ornamental. Other vines that are suitable are trailing nasturtiums, *Lobelia gracilis*, *Solanum jasminoides*, *Lepospermum*, *thunbergias* and ivy geraniums. It is well not to use too many different kinds in the same box, but one of the flowering vines planted with those of green or variegated foliage make a very effective arrangement. Boston ferns and *Asparagus Sprengeri* make splendid fillers behind the vines, or boxes filled entirely with the ferns are very effective in shady locations. The selection of the blooming and foliage plants will depend greatly upon the desires of the customer, the price, location and the surroundings, for almost all the assortment of stock at the grower's command can be used. For tropical effects the palms, ficus, dracaenas, crotons, *aspidistra*, *aralias* and *grevillias* can be used and can be made exceedingly ornamental on porches that are too shady for blooming plants. In boxes that are in full sunlight, geraniums and the other flowering bedding plants make the best show and are more often preferred. The best effects, however, are produced by not having too great a variety or too many colors, and in choosing colors that harmonize, one combination that is often seen and should be avoided is a dark pink or bright red geranium and a light pink ivy geranium, the colors often being very inharmonious and produce a patchy effect. A box of one color is by far the most effective.

Planting the Boxes.

It hardly seems necessary to say anything as to the manner of setting the plants in the boxes, but like everything else in gardening there is more than one way of performing the work, and there is a way that the majority think produces the best result. The vines, if they are large and heavy, receive the effect of the wind and if not firmly planted easily become loosened, resulting in weak growths. It is better that these be planted first and the soil well firmed around them. Between the vines the ferns and *asparagus* can be placed and then the other plants. For boxes that are to be placed in locations which are very dusty such as overhanging streets, avoid the rougher leaved plants, using only those which have smooth and glossy leaves, and these can be frequently sprinkled and the dirt washed off. Where the boxes are filled at the greenhouses and are to be at once transported it is better not to water too heavily, but just enough to settle the soil when they are first planted, and then give them a good watering when they are located. It will be much easier handling and fastening up a box that is not made heavy by water. Where the filling of the boxes

is done upon the porch or at the windows by the help, impress upon their mind the necessity of cleaning up and leaving everything neat and to be as careful as possible in blemishing the paint or distributing dirt around. We know of more than one good customer who has been lost by not looking after these little details.

The Show Window.

The different manner of trimming and decorating the windows at Easter could not but attract the attention of the observer, not only those of the florist but also those of other tradesmen. The window in which the dealer displays his stock should be the best advertisement that he has and should also be a silent salesman in so far that the goods are displayed to such advantage that the attention of the shoppers is first attracted to the window and then cause a desire to purchase. The window on one of the crowded thoroughfares in the larger cities is an expensive feature, for the rental of a store greatly depends upon the number of people that pass during the day, the more crowded the thoroughfare the higher the rent, the landlord fully taking into consideration the advantages which the window possesses to a large number of people in fixing the rental, and the valuation of property by municipal officials is greatly influenced by this factor. It is therefore necessary that the proprietor take advantage of these opportunities to attract business.

In looking at the several windows during the Easter holidays, one very marked feature was observed. Some dealers had a large variety of stock displayed, in fact, it seemed that every article that could be found in the store was crowded into the window, while others would have but a very few prominent features of the store on display. We could not help but

notice the large stores and admire the arrangement, a large window would have but one figure with a rich garment and an appropriate background. One high class millinery window had one elaborate hat with rich hangings to contrast with the arrangement. In carefully noting which windows attracted the attention of the shoppers, we could easily see that these simple window arrangements were always crowded with eager spectators and before the crowded windows there were very few. Speaking to one well versed in the trade, that although the florist was supposed to be an artist in the arrangement of his stock, the large department store far surpassed him in showing the goods and he immediately said, "It is high salaried men that arrange those window displays." Of course it is, and rightly they should command good salaries for the ability they show in displaying the goods, but why should we not take a lesson from these high-salaried men and endeavor to incorporate their best features?

The florists' windows as a rule are very attractive, but they are not diversified enough. They are arranged each morning and the flowers renewed and the proprietor makes a change in his windows, today he has carnations, roses and violets, tomorrow he will have roses, violets and carnations, and the next day he will have violets, roses and carnations. They may be different in quantity and variety, and he will note a great difference in the appearance, but to the casual observer they look the same every day, and fail to attract his attention. Another has every flower in his store displayed and so crowded together that there is nothing prominent in the whole window. The customer will certainly judge a man's artistic ability by what they see and if some of the windows are a sample of the decorative work of the designers, we doubt if one intending to have a decoration would



PORCH BOXES AT A CHICAGO RESIDENCE.



PLANT BOXES AT HOTEL PLAZA, NEW YORK.

desire any such arrangement as is displayed in the window.

This is the opportunity which should be grasped. Arrange the window as the drawing room would be decorated and make a decided change often enough to attract attention. In the spring arrange an all yellow window of tulips and daffodils with a nice setting, and see the number of people that will stop and admire it. Have a large vase of American Beauty or other roses with the window draped with green, but no other flower for contrast and see how everyone that passes will stop and gaze at these beautiful flowers. A well arranged basket on a table draped with asparagus with nothing to draw the attention from it, always attracts. By making these changes the window soon becomes a great drawing card, and it would pay any window decorator to walk down the principal streets and notice which windows attract not only his, but everyone's attention, and then make it a study to see what there is that causes the attention. The window can be made one of the best paying features of the store, but it must be constantly attended to, not made a feature once in a while, and it takes study and artistic ability to bring out the best effects. DESIGNER.

SUGGESTIONS FOR PLANT GROWERS.

Winter Flowering Geraniums.

With all growers having a greenhouse and doing a retail business there is in the fall a good demand for pot geraniums for house culture. Plants lifted from the open ground and potted in the fall are not very satisfactory, for the plants recover from the later transplanting slowly and go out of bloom, and often do not flower again until spring. It is better to grow plants for this purpose in pots through the summer and these with good culture will bloom all winter long if in a sunny position. Cuttings taken at this time will make nice stock for this purpose, or small plants left over after the spring sales can be used. The plants should be potted firmly so that they will make a short, stocky growth, and kept well pinched back throughout the summer, that as many branches may be procured as is possible. All buds should be picked off as soon as formed, allowing no blooms until the plants are firmly established

in blooming pots, in which they should be planted the last of August. A 6-inch pot makes the best size for house culture and the plant can be easily grown so that it will fill this size nicely. A frame outside is the most convenient and best place for growing them through the summer months.

Dahlias.

Although the dahlia is of very robust growth and comparatively easy of culture, yet it is one of the most tender plants and will not stand any cold treatment, for the slightest frost will check the growth and almost invariably kill the plant back. It is then too early yet to plant the clumps except where all danger of late frosts has passed, but the eyes may start into growth during the warm days of May, so they should be kept in safe and warm quarters. Where the grower has a good, tight frame that is frost proof the clumps can be taken from storage and placed in the frame and the tubers

will grow plump and the eyes break ready for planting as soon as the weather grows warm enough. The place selected for growing them the coming season should, however, be prepared, the ground spaded deeply and if not manured last fall some well-rotted manure spaded in. Many growers do not advise heavy manuring when the clumps are planted and especially no fresh manure, much preferring to get a fair supply in the ground the previous fall so that the rankness will be dissipated in the soil, for too strong manure causes a rank growth and the plants do not bloom as early. With enough manure incorporated in the soil to produce a good hard growth and not too soft, and then mulch with manure when the

Concrete Greenhouse Construction.

Abstract of paper read by S. A. Jamieson before the Chicago Florists' Club May 2, 1912, and illustrated with lantern slides.

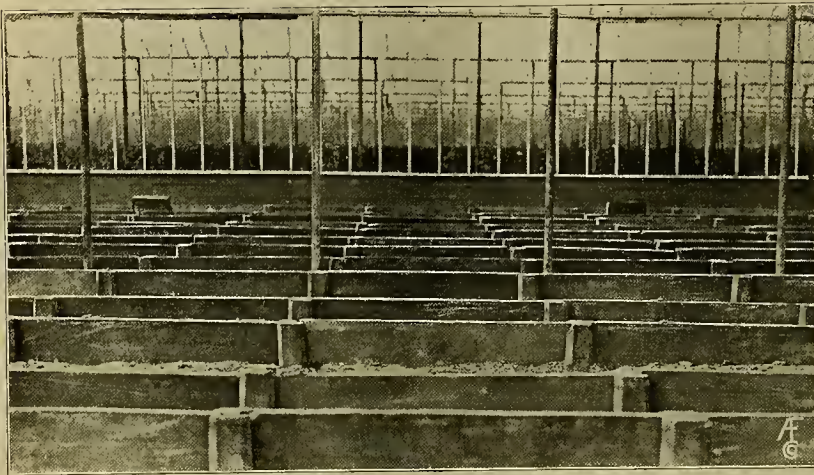
With the rapid decrease of our timber supply and the resulting increase in the price of lumber, there has come a necessary demand for a new building material. The progressive florist has hailed with delight the advent and rapid rise of the use of the new building material, concrete—a manufactured stone as durable as rock, stronger than brick or rubble stone masonry, adaptable to practically any form of detail, but more important than all these to the florist is its ultimate cheapness for construction purposes.

Portland cement is a term applied to the finely ground product resulting

States whose total output for the year 1911 was approximately 78,000,000 barrels. This gives some idea as to the great progress made in a few years. One of the five mills of the Universal Portland Cement Co. turns out 40,000 barrels of the finished product per day, which amounts to 12,000,000 barrels, or 48,000,000 sacks, per year.

Concrete is the hardened rock-lime product resulting from a mixture of Portland cement, sand, and gravel or broken stone with water. Cement is the material which binds the sand, gravel or broken stone together, the whole being referred to as concrete. There are many brands of cement on the market, each manufacturer giving his product a special brand name which is printed on the sacks in which his product is packed. The terms "cement" and "concrete" while frequently used interchangeably, are in no sense synonymous.

Up to a few years ago lumber was used extensively in greenhouse bench construction, but with the constant increase in price, florists began to experiment with concrete. At first the application was for posts only, and as no drawback to the concrete posts with a spread footing were found it became standard practice. Next came the monolithic bench of which there are such excellent samples in use today. Following these came the benches constructed in sections, splendid examples of which are to be seen at the greenhouse plant of Poehlmann Bros. Co., Morton Grove, Ill. This concrete lumber is cast in a central plant, and as no piece is heavier than one man can lift, is easily handled, stacked up in piles, and then carried to the houses and erected by common labor. The illustration shows a section of a bench which was set up by three men in ten minutes for the purpose of being photographed. This bench consists of 6-inch tapered posts having 10-inch bases; cross beams 49 inches long, six inches deep and 1½ inches thick resting on slots in the posts; stringers 6-foot 2½ inches long, 2x4-inch section resting on the cross beams; the side pieces are of "L" construction, six feet long, 10 inches high by 1½ inches thick, the "L" angle at the base, 3½ inches wide, forming the rests for the bottom slabs; and pieces the same as the sides and bench slabs



BEDS WITH CONCRETE SIDES AT POEHLMANN BROS. CO., MORTON GROVE, ILL.

P. 932

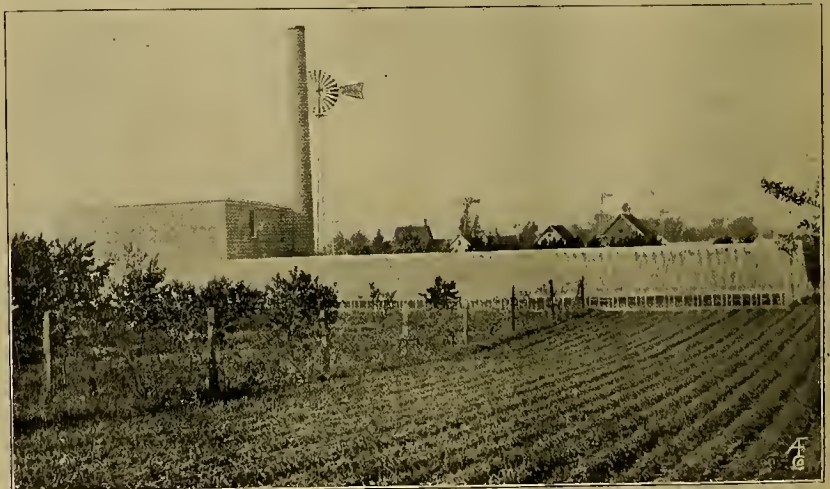
buds begin to set, is the manner of some of the most successful growers. The young stock that was propagated from clumps started in March should now be good, stocky little plants, and the last of the propagating should be done early in May to have good stock for June planting. Keep the young plants under safe cover and plunge the pots in soil to keep them moist and not require too frequent or too heavy watering.

Stevia.

If the stevia cuttings have not been rooted this should be attended to at once. As these plants grow very rapidly they are generally the last to be propagated, but the rooting of any stock in June is always attempted with more or less chance of failure unless under the most favorable conditions. As soon as rooted they should be potted in 3-inch pots and placed in a cold frame, the pots plunged in the soil and shifted into large sizes as required. Keep the plants pinched back until the middle or last of July when they should be potted in their blooming pots and placed in quarters safe from high winds and early frosts. The dwarf stevias may be grown in the field, being kept pinched back during the summer and potted the last of August or first of September.

BUFFALO, N. Y.—Professor J. F. Cowell, director of the South Park Botanical Garden, has returned from a trip of two months' duration through Cuba, bringing a large assortment of new plants.

from the burning together of various materials of proper chemical composition. It is not called Portland cement because it was first made in Portland, Me., or in Portland, Ore., but because the Englishman who first made it thought he detected a resemblance between the material and a certain natural stone known as Portland. The first cement mill in this country was built by David O. Saylor at Coplay, Pa., in 1871. There were January 1, 1912, about 100 cement manufacturing companies throughout the United



PACKING SHED, BOILER HOUSE AND STACK OF CONCRETE BLOCKS.

Greenhouse Range of William Hill, Irondequoit, N. Y.



VINCAS AND GERANIUMS IN WINDOW BOXES AT PHILADELPHIA.

53 inches long, 9½ inches wide, and 1½ inches thick, resting on the sides and also on the stringers in the center. The bottom slabs lock the whole structure together so that it has the stability of a monolith and yet cannot be cracked or injured by a settlement or movement of any part. Each member is carefully reinforced with both chicken wire and several quarter-inch twisted square bars, except the stringers, which have one-inch bars only. This bench may be erected with any number of sections, is readily moved when changes become necessary, has perfect drainage, cannot tip over, cannot rot or rust, never requires repairs, is economical, and is a permanent asset to the florist.

The plant required for making the lumber consists of a batch mixture, sill molds, and a number of special molds for the sides and ends which are made up by carpenters. The first cost of construction was two and one-third times what it would have been in lumber, but 15 years from now the concrete benches will be as good as they are today, while in the same period three sets of wooden benches would have been built at a greater cost than for the concrete. The actual economy of concrete is demonstrated conclusively. Other uses of concrete in this plant are numerous. All drains and sewers are of cement drain tile, sidewalks and tracks are extensive, the concrete being carried up flush with the rails; the manure pits are of concrete and those in use for years show no deterioration, though constantly subjected to live steam and organic acids. Concrete has proved very satisfactory and economical in this work and has required no special engineer-

ing supervision, the owners having not only developed the system, but also personally supervised the construction.

The Geo. Wittbold Co. of Chicago have benches of concrete built by the use of patented forms and clamps perfected by Louis Wittbold after many years of experimenting. The benches are five feet wide, supported by two rows of concrete posts, 44 inches on centers each way, five inches in diameter and poured at the same time as the bench. No reinforcement is used in the posts, while the bench is reinforced by a single thickness of standard 2-inch mesh poultry netting, a strip of which a foot wider than the finished bench is laid in the forms before pouring. The edges are bent up so as to reinforce the side walls and it is supported at the proper height from the bottom form by small tapering blocks placed at intervals, according to soil conditions. These blocks are left in place when the concrete is poured and are withdrawn when the forms are removed, thus providing openings for proper drainage. The mixture used for this work consisted of one part of cement to three parts of washed torpedo sand, no coarse aggregate being used. The materials were mixed with sufficient water to form a slush concrete and the entire bench, including posts, bottom and side walls, was poured at one operation, the forms being left on the work for two days.

Other greenhouse owners who have successfully used cement construction are Walter S. Hall, Osage, Ia., who manufactures the blocks for his benches one foot wide and as long as the width of the bench during the winter, the Schiller establishment at Chicago, Robert G. Wilson's retail

place at Brooklyn, N. Y., Garfield Park conservatories. Kroeschell Bros. Co. for many years have been using concrete for the base of their boilers, both for exhibition purposes and for permanent use. William Hill of Irondequoit, N. Y., has erected a concrete block house and packing shed and a stack made of concrete blocks, 65 feet high, the inside diameter of which is 21 inches at the outlet and 32 inches at the bottom, it being made larger at the base so as to permit a fire brick lining a few feet above the smoke inlet. Forty such stacks are now used by the Rochester vegetable growers, a company having been formed by two young men who build these stacks complete with labor and material at \$2.00 per foot. Concrete stacks are also to be seen in Illinois, B. Eldredge of Belvidere built a few years ago a stack 60 feet high and 30 inches in diameter inside measurement.

Progressive greenhouse men are using concrete in the construction of retaining walls, examples of which are the show house of G. Brassler, Buffalo, N. Y., A. C. Bartlett, Lake Geneva, Wis., and Riverbank Greenhouses, Geneva, Ill. E. Jacobi of Newark, N. J., has constructed a mushroom cellar under his greenhouse entirely of concrete, as are also the floors of the houses. The Jewel Nursery Co. of Lake City, Minn., recently built a house of concrete for the storage of nursery products. Robert Simpson of Clifton, N. J., is to be congratulated upon the fine workmanship of the side boards for the solid beds in which are grown his roses.

Concrete is used extensively in "tree dentistry," the decayed portion being removed from the rotting trunk and

the cavity then built out into the original outline of the tree. The bark will eventually cover the filled-in wound at the rate of an inch a year, and the tree in time regains its normal appearance. Concrete also lends itself as easily to artistic and ornamental construction as to utilitarian purposes, as may be seen in the flower vases and ornamental lighting posts at Humboldt park, Chicago. In conclusion, I wish to state that the Universal Portland Cement Co. has made a special feature and study of concrete in its application to greenhouse construction which information is freely given to any or all contemplating the use of concrete in any way.

Moninger Watering Outfits.

A matter that will be of interest to every greenhouse owner is the news that the John C. Moninger Co. has at last perfected their greenhouse watering systems. The power mostly used is the gasoline engine but systems are also designed to operate with electric motors and by steam. The pneumatic system is probably the most important of all the outfits and will be used extensively. Systems ranging in size from 200 gallons per hour capacity to 100,000 gallons per hour will be made ready for shipment on short notice.

A large system is being installed in the new plant of the Stevens & Hepting Co., Kansas City, and for Jos. Grabowski, Lansing, Mich. The Moninger Company has sold pipe, fittings, gauges, hose, valves and other supplies for watering systems for several years and are prepared to go into this new part of the work in detail. A large new catalogue dealing with this subject is just off the press and ready for mailing. The book gives information that will be of value to the florist, containing tables of various kinds about tank capacities, pressure of water, velocity, pump capacities, etc.

New Greenhouses at University of Illinois.

In preparing plans for the enlargement of the campus of the University of Illinois, it has been found necessary to move the horticultural buildings to a new piece of land. This new site is directly across the campus from the old horticultural grounds and is to be used for the various interests of the horticultural department. This will necessitate the moving of the present horticultural building and the floricultural experimental houses, so as to vacate the present grounds which are to be used as drill grounds.

At a recent meeting of the board of trustees, however, it was decided to leave the present experimental houses stand for a year or two and so the moving will not interfere with the experimental work. They also appropriated the money for the new vegetable and plant breeding range and for the floricultural show houses. These are to be located upon the new site. Work upon these houses will be begun as soon as the bids are received and the contracts let. The present experimental houses will be moved within the next year or two.

SPRINGFIELD, O.—The result of the local option election was the cause of Gustave Schneider having to remove the stock from his South Limestone street store to his High street store, the hotel requiring the location.

THE GLADIOLUS.

New Firm of Gladiolus Growers.

Montague Chamberlain of Groton, Mass., and L. Merton Gage of Orange have formed a partnership as Chamberlain & Gage for the cultivation and sale of gladioli. Mr. Gage has been well known for years as a skillful cultivator the gladiolus and holds the responsible position of secretary of the American Gladiolus Society. Mr. Chamberlain is a Boston business man, being financial manager of a large dry goods concern. He was some years ago connected with the scientific school of Harvard University and is the author of several works principally on birds and the history and language of eastern tribes of Indians. Both have been enthusiastic collectors and growers of gladioli, gathering the best offerings of all the growers, and the joining of the two collections form a wealth of varieties that would be hard to duplicate. They should make a successful firm, and as there is a good opening in the eastern states they will be welcomed into the ranks of the florists.

Gladiolus Culture for Exhibition.

The first consideration in successfully cultivating this bulb is, without doubt, the preparation of the soil, for, however naturally good the land may be, or whatever time the bulbs are planted, the soil should be brought into a good tilth, states the Handbook of the National Gladiolus Society of England. If the soil is a stiff loam on clay

clog the feet when walking over it. It should then be hacked over at least six inches deep with a potato-hoc; when this is done drill out the whole piece in drills 18 inches apart and three inches deep, and mark it out into beds of four feet wide and with paths two feet in width.

Commence planting by placing a corm against each line and filling up the space with two, three or four corms according to their size. If the corms are very large, four in a row will be quite sufficient. Planting thus in beds is preferable, as it affords the cultivator facilities for examining and tending individual spikes without danger to the rest. In this way continue planting, at intervals of a fortnight, from the end of February until May 20, and you will extend the succession of bloom from the commencement to the end of the season, which is usually the end of November, unless the flowers are previously destroyed by frost.

The plants will require no attention until they commence to show signs of blooming, except in keeping them quite free from weeds. When signs of blooming are apparent stimulants may be advantageously applied. We have for the last twenty years used a preparation of our own, which we dissolve in water and apply about once a week according to the state of the weather. Stakes will now be necessary for any spikes specially required for exhibition, and these when fixed in the ground should not reach higher than the lowest bloom, as when a taller stake is used the flowers are liable to



CONCRETE TABLE IN PACKING ROOM OF RIVERBANK GREENHOUSES, GENEVA, ILL.

it should be drained; but if in chalk or gravel this is not necessary.

In September, or early in October, when the land is in a dry state, lay on a liberal quantity of stable or cow manure; spread the manure and dig deeply with a fork in order to mix it well with the soil. Then allow the land to lie rough until the latter part of February or the beginning of March, until it is once more so dry as not to

be injured by friction against it. Mulching is also now necessary—in the first place to keep down the weeds, and secondly to keep the ground moist. I formerly used rotten manure for this double purpose, but find that straw chaff is quite as efficacious, and it is much nicer and cleaner to walk upon when tying or cutting the spikes.

If the weather should prove very dry during the season, a liberal supply

of water should be given, but some judgment is required, particularly where the soil is of a clayey nature, as it often happens that heavy watering or much rain followed by low temperature causes the fibrous roots to perish, resulting in a sickly yellow tint of the leaves—an undesirable result sometimes erroneously called a disease.

The time of lifting the corms should be carefully attended to, as it is a point of great importance in preventing their decay. No harm will arise from early lifting, even if it is done as soon as the spikes of bloom are cut; but, on the other hand, if the gladiolus be left in the ground after signs of its decay are apparent by the foliage turning yellow, then the corms of the most delicate sorts will gradually perish.

The Blue Amaryllis.

Of the numerous species and hybrid hippeastrums in cultivation, there are few more beautiful when in flower than *H. procerum*. It is, however, quite distinct from any other species, the most remarkable characteristic being the large, long-necked bulb, which often measures four feet in length. In this respect it might easily be taken for a crinum. The bulb of a plant recently flowered at Kew, states a writer in *The Garden*, is about four feet in length; from the center rises an umbel consisting of five flowers of a delightful pale purple color. Individually the flowers are from six to seven inches long, by five inches in diameter across the tips of the segments. The leaves are sickle-shaped, from two to three feet long, and two inches broad, and these alone provide a most attractive feature of the plant. It is one of the most interesting of greenhouse bulbous plants and has already attracted the attention of many visitors to the gardens.

H. procerum was introduced from South Brazil in 1863, and was first flowered in this country by Dr. Rayner of Uxbridge in 1870. On account of its shyness in blooming, it is not surprising that it is so little known. Other names by which the plant is known are *Amaryllis procera* and *A. Rayneri*. It is also commonly known as the blue amaryllis, the name having been derived from the unusual color of the flowers.

Royal Caledonian Horticultural Society.

The Royal Caledonian Horticultural Society held their spring exhibition in Edinburgh on April 10-11, and it was a most successful gathering in spite of the dreadful coal strike from which the United Kingdom has been suffering. The entries were well over the average although a number of English trade exhibitors were prevented from exhibiting.

The leading features of the exhibition were: orchids, roses, carnations, tulips, daffodils and azaleas. One exhibit which attracted universal attention was the grand lot of seedling amaryllis from The Royal Nurseries, Craigmillar, which we illustrate. Dickens & Co. have for the past fifteen years been crossing and improving the amaryllis and seem to have created a strain which for size, form, color and substance leaves little to be desired. The whole of this exhibit was purchased by the Corporation of Glasgow for their municipal gardens.

THE CARNATION.

Carnation Culture.

Paper read by G. F. Nlepp before the Morris County Gardeners' and Florists' Society, March 13, 1912.

Within the last fifteen years more progress has been made in the culture of the carnation than of any other flower. Yet when we visit the flower markets of the large cities we find alongside of the finest carnations lots

up-to-date establishment. But the trouble is mostly that these so-called carnation growers are too conceited to look for any information, or, as with some I have met, they would not believe anybody. Others gather all information they can get but have not the brains to work it out. If somebody suggests that their carnations need feeding they would overdo it, or if told that they keep their plants too dry, or too wet, or the houses too warm or cold, they would fall into the other



SEEDLING AMARYLLIS AT THE ROYAL CALEDONIAN HORTICULTURAL SOCIETY

Exhibited at Edinburgh, Scotland, by The Royal Nurseries, Craigmillar, April 10-11, 1912.

of very poor ones and one cannot help asking the question, "Why do florists keep on growing such rubbish that never pays for the work, not to say expenses?" There is no excuse whatever, since there is no longer any secret in carnation culture and it does not cost any, or but little more, to produce good flowers than poor ones. Good carnations can even be produced in small houses, if they receive the proper treatment, and yet I have seen produced in good up-to-date houses the poorest carnations I ever laid my eyes on.

Ignorance is no excuse since we can read articles on carnation culture from the best authors in the country nearly every week in our trade papers. We can get plenty of information in our societies and we do not need to go far to see good carnations grown in an

extreme. I once had a neighbor who had four small greenhouses and always kept them too warm, and never had any success with carnations, yet he said if he had the money he would keep the houses at 90° to 100° for carnations, and I now think he has only one greenhouse instead of four.

As is the same with other plants, in carnation culture propagation is the foundation upon which to build up the structure necessary to success. Therefore the greatest care should be given to selecting the stock and the production of healthy and well rooted cuttings. Many cuttings are spoiled by putting them too deep in the sand, shading too much, keeping too wet, or too warm, and also by waiting too long in potting them up. They should be potted as soon as all cuttings which are placed in the sand at the same

time are rooted. Some will have a little longer roots than others, but this cannot be helped.

We use 2½-inch pots and a good live soil without any addition of manure or fertilizer. As soon as the pots are full of roots, but before getting pot bound, and while too early to plant in the field, knock out the plants and plant them in a bench, or sometimes in a cold frame, according to season and weather, using about the same kind of soil as in potting. As soon as lateral shoots start to show on the bottom, we pinch out the main shoot. The young plants should be kept in a light house with plenty of ventilation and the temperature kept cool. It is of much importance to have the crown of the roots never covered more than one-half inch as this prevents stem-rot and insures a healthy growth. As I only practice field culture, I shall not touch pot culture.

It is of much importance what kind of soil and location is available. The soil should not be too heavy nor too light, but almost any kind can be used if properly treated. I prefer a field almost level or with a slight slope, to give water no chance of standing after rain, but not steep enough to make washing out possible. The field should be well manured in August or September the previous year, and plowed and harrowed several times. A late plowing should be done in November and the surface left in a rough condition. No field should be selected without good drainage. In the same manner we prepare our bench soil, only manure heavier and keep on plowing and harrowing until we bring the soil inside.

The field to receive the young plants is plowed again in spring as soon as the soil is dry enough and the surface smoothed off with the harrow. As soon as steady weather can be expected all hands join in planting out, planting in rows 15 to 18 inches apart. Again I see it that the plants are not planted too deep, just a little bit deeper than they stood in the pots. This reminds me of my first experience with carnations in this country, seventeen years ago. It was my first job in a plant-growing establishment of sixteen or eighteen rather small houses. Three of the houses were devoted to carnations, but I started in March and the houses looked more like geranium houses as most of the carnations had died and geraniums in four-inch pots took their place. We also had probably 10,000 young carnation stock in a sash house, some in pots, the others in flats with about two inches of soil in them and all looking as yellow as a lemon. When planting time came we brought them out to the field, pots, flats and all. From the flats we had to cut them out in squares and then the boss told us to plant as deep as possible, showing me, as a greenhorn, how deep, which was about two inches of soil above the roots. The soil being very sandy, in fact, all sand, I did not wonder much about deep planting, but I found out later on when many plants rotted off just above the ground after some heavy rains. In the latter part of August they were to be benched. The boss with his brother doing the planting and I having the pleasure of bringing in the plants. This, of course, gave me a chance to see how they did it. They dug a big hole in the soil, nearly to the bottom, stuck the plants way down and the ends of the roots, which were very long and few, stuck

up. Then the hole was filled up and the ends of the roots frequently stuck out of the soil. I could not help asking, "Do you expect these plants to grow?" The answer was, "They don't need to grow, they must only flower. The growing was done in the field." I was thoroughly speechless, but thought this must certainly be a great country if they could make carnations flower without growing. But one day a friend asked me how I liked the job and I said, "First rate, I think it's a good place to learn how things should not be done," and he laughed. I did not stay much longer, but had a chance to carry out a good percentage of those plants to the dump heap, and the next spring I had a look at the houses but most of the plants were gone, the geraniums taking their place again.

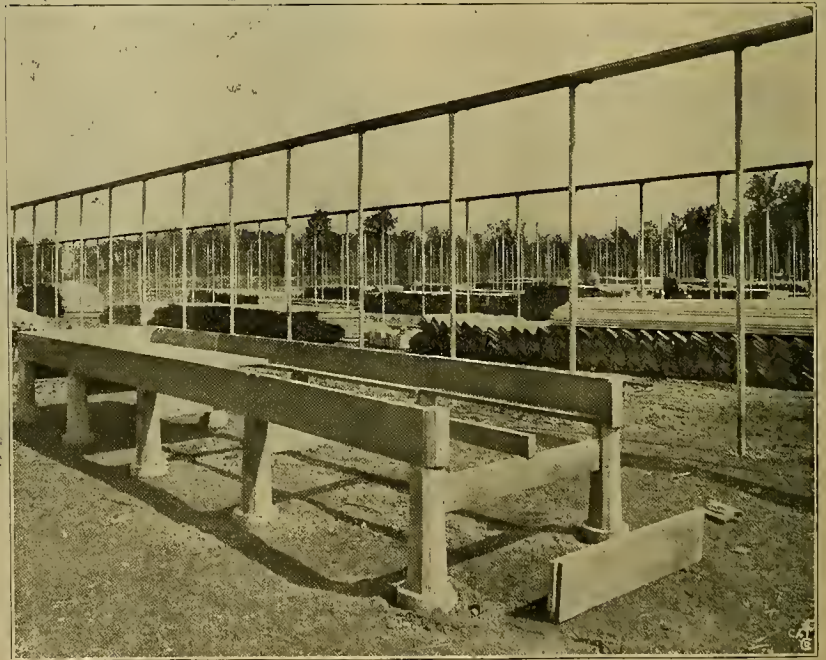
But to come back to the field,—we start cultivating with the wheel-hoe as soon as planting is over, going through once a week. As soon as the plants have made some growth, topping commences to form the plant and also to prevent flowering which would only stop the growth to some extent. By July 1 the plants should be large enough to be benched, and as the old plants are usually thrown out there is no reason why preparation ought not to be made. After the old plants and soil are carted out, the benches ought to receive a thorough cleaning and white-washing and also all the necessary painting done before the benches are filled again. As soon as the soil is on the benches all hands have to get

slower in a very wet soil. The house should always be well ventilated and the atmosphere kept as cool as possible.

We put no shade on after benching, but a light shading in spring, which gradually wears off. Watering for the first few weeks should be done carefully. Some recommend to plant in a depression and water each plant separately, but I would rather plant on a hill and have the water run away from the plants. Of course, the plants should never suffer for want of water. In one large house we have installed Skinner irrigation, which we consider ideal, watering in the summer months as it leaves the soil always in a loose, open condition, so that no cultivation is needed, except weeding, which should not be neglected.

As soon as planting is done, we give the first support, using the well-known wire rings with two legs stuck in the ground. They keep the plants in a natural round shape. Soon flowering shoots grow up and we put another support in place. This time we stretch wires lengthwise and twine crosswise. Gradually, we put two more on, making four in all, each six inches above the other. Disbudding should commence as soon as the buds are large enough to handle.

The plants consume more water now and should never be without sufficient moisture, although not be overwatered. On a dull day, watering should not be done, and while the plants enjoy



SECTION OF CONCRETE BENCH AT POEHLMANN BROS. CO., MORTON GROVE, ILL.

Erected in Ten Minutes by Three Men. Concrete Lumber Piled in the Background.

busy and get the benching done in short order, one or more planting and the others digging and bringing in. Care should be taken to leave some soil on the roots, as the plants will grow on much quicker. As soon as a number are planted they should be watered. But I would not soak the bench all through at once, but would rather go over the same place three or four times until the soil is all moist, but not real wet, as root action will be

syringing in the summer months, they will not do so when the days are getting short and the sun low. As soon as the nights get cold enough to make it impossible to keep the temperature at 48° or 50° with some air on at night, a little heat should be given to keep up the temperature and give the desired results. Throughout the winter months, ventilation should be given as much as possible. Even when the outside temperature goes down to 19°

or 20' above, a crack of air should be given to keep the air pure and moving.

In October the plants can usually stand a little feeding and if no bone or other fertilizer has been mixed in the soil before bringing the plants into the house, I usually put either a sprinkling between the plants and cover with a light mulch consisting of half soil and half sheep manure, or mix the fertilizer with the mulch, the latter way being preferred. This fertilizer should not contain more than three per cent of nitrogen, but can be rich in phosphoric acid and potash. I warn against the use of nitrate of soda, blood, ammonia or tankage, at any time when the plants are in bud or flower, as they will come bullheaded and will not keep. Mulching not only gives nourishment, but prevents the formation of scum and keeps the surface open to admit the air. I usually put it on half an inch and later on repeat it several times. Toward spring manure watering will be beneficial, but the manure water should not be too rich and made with cow or sheep manure. As long as the plants make a heavy growth with dark and broad leaves, feeding is not needed.

This is all I can say about the culture of the carnation, but we must not forget our little enemies. The first one in the season we usually notice is the so-called thrip. We cannot see much of him, but suspect his presence when some of the shoots come out twisted and crippled, and when the buds show color the edges of the petals on white flowers look burned, while on colored varieties they look striped. A few good fumigations or sprayings with tobacco extract in short succession will clean this pest out. Aphis or green fly appear very persistently, but will also be killed by tobacco or other insecticides. As a rule I have carnations sprayed once a week with tobacco solution during the whole season. Just after benching, the plants are benefited by a spraying with Bordeaux mixture against both fungus and insects.

One of the worst enemies is Mr. Red Spider, as he will not succumb to fumigation of any kind, not even to hydrocyanic acid gas as was frequently recommended. I know by experience that the plants would have to be killed first and then the spiders starved to death. I find Aphine will kill all that can be reached, but a little expensive in bad cases. After all, good and persistent syringing is the best cure.

Two Dangerous Imported Plant Diseases.

Two very serious European plant diseases have been brought to North America upon plants in the past few years which are of more than ordinary economic importance, and especially serious because both have stages of development in which they cannot be detected by inspection. These two diseases, the white pine blister rust and the wart disease of the potato, which are the subject of Bulletin No. 489 issued by the United States Department of Agriculture, are considered the worst enemies of these plants.

The white pine blister rust originated in Europe and has two different hosts, the five-leaved pines for one stage of growth and currants or gooseberries for the other. The winter spores are blown from the currant or gooseberry leaves on to the bark of the white pine, where they germinate, the

branching threads penetrate the inner tissues but cause no external sign until a year or more later, when the bark tissues begin to thicken and a spindle-shaped swelling is formed. Early in the spring the fruiting bodies burst forth from the inner bark setting free the yellow spring spores, which are blown about and fall on the leaves of currant or gooseberry where in turn the winter spores are produced. It is sure to kill the affected trees most of which die the first season that the fungus fruits, however, there may be a small number survive and bear a new crop of spores, but each year the number decreases until the disease finally dies out if there are no currants or gooseberries near enough to be affected. Large numbers of infected trees are known to have been imported into the country and the disease cannot be determined by inspection, and the authorities in some states have taken active measures to eradicate the disease. The most effective methods are, however, to stop importing any of the five-leaved pines from Europe, and where infection is found to remove all wild and cultivated currants and gooseberries to a distance of 300 to 500 feet from the edge of the area containing the pines and burn the infected trees.

The potato wart is comparatively a new disease which was discovered in Germany and Hungary 16 years ago but has spread with great rapidity. As far as known it has not appeared in the United States but has become established in Newfoundland. It attacks the tubers forming warty excrescences, which are green where they project above ground and white below, turning as they grow old to dark brown or black. A still more advanced stage occurs where the fungus has utilized every particle of food stored in the tuber and has reduced it to a brownish-black soft mass giving off a very unpleasant putrefactive odor. Such potatoes can not be harvested whole, the pulpy mass breaks up, liberating millions of spores which live for years in the soil. In a mild attack the eyes first appear grayish, then turn brown and finally black, while in a healthy tuber they are white or purple. It is almost impossible to ascertain the presence of the disease in this stage, but such potatoes used for seed prove to be the source of new infections where planted. This has been the chief means of the distribution of the disease, but the feeding of diseased potatoes (not boiled) to stock has caused infection through the manure, and the spores are carried from one field to another by stock, men and tools. Fungicides are not efficacious in controlling the disease, the only remedy being rotation of crops, and the fungus has been known to live eight years in the soil. The disease has spread rapidly in England and in the worst cases from 75 per cent up to the entire crop has been affected. The bulletin states that the only practical method of dealing with these two diseases is that of total prohibition of importations of white pines and potatoes from certain localities and to be made effective this should be done at once to prevent them from becoming permanently established.

GLoucester, MASS.—A horticultural exhibition will be held July 11 under the auspices of the Scientific and Literary Association.

OBITUARY.

Mrs. W. F. Kasting

Mrs. Laura A. Kasting, wife of William F. Kasting, the well-known florist of Buffalo, N. Y., and treasurer of the Society of American Florists, died at the German hospital in that city at 11:50 o'clock Saturday morning, May 4, following an operation for gall stones. The operation, which was the third in two years, was performed the day before. Mrs. Kasting had been suffering for so long a time that her condition was not strong enough to withstand the shock attending the operation. She rallied for a brief period, but subsequently had a relapse that ended in her death. Mr. Kasting, who had been with her constantly during her illness, was at his wife's side when she passed away. Mrs. Kasting was thirty-three years old and was the daughter of the late Philip La Tour, who was one of the oldest florists of Buffalo. Aside from Mr. Kasting, she is survived by three children of tender years, William, ten; Laura, eight and John, two and one-half years old. Mr. and Mrs. Kasting had returned from Atlantic City but a few days before, where they had gone hoping to benefit Mrs. Kasting's health. Mrs. Kasting was well known in the trade, very popular and a prominent member of the Ladies' Society of American Florists.

The funeral services were held at Notre Dame de Lourdes church May 7, Rev. Father Phillips officiating. There was a very large attendance and interment followed at Forest Lawn cemetery, where the Orpheus Singing Society rendered a beautiful musical service. The floral offerings were very numerous and elaborate, conspicuous among them being those of the Society of American Florists, Executive Committee of the Society of American Florists, Ladies' Society of American Florists, Chicago Florists' Club, Buffalo Florists' Club, Buffalo Park Commissioners, Rochester Florists' Club, Orpheus Singing Society, German Hospital, Officers' People's Bank, Bassett & Washburn, Chicago; P. J. Breitmeyer, Detroit, Mich.; Lawrence Cotter, Jamestown, N. Y.; E. J. Fancourt, Philadelphia, Pa.; P. J. Foley, Chicago; D. R. Herron, Olean, N. Y.; W. L. Keller, Rochester, N. Y.; C. E. Meehan, Philadelphia, Pa.; E. I. Mepsted, Ottawa, Ont.; Michigan Cut Flower Exchange, Detroit, Mich.; Chas. Offerle, Erie, Pa.; S. S. Penneck, Philadelphia, Pa.; Reed & Keller, New York; W. N. Rudd and Mrs. Rudd, Morgan Park, Ill.; Chas. Schenck, New York; Frank H. Traendly, New York; Trost & Steinfurth, Erie, Pa.; J. C. Vaughan, Chicago; Patrick Welch, Boston, Mass.; E. F. Winter-son, Chicago; H. J. Wise, Erie, Pa., and John Young, New York. In addition to the foregoing every florist in Buffalo and vicinity was represented in these beautiful tokens of sympathy. The pallbearers were Dr. E. S. Tobie, Wm. Porter, W. J. Palmer, Harry J. Knepper, Chas. Duchmann, Emil C. Brucker, Fred P. Kull and Wm. P. Luedke. The out-of-town trade was represented by Frank Traendly, New York, George Asmus and M. Barker, Chicago.

THE DALLES, ORE.—The sales at Easter this year were about half that of last year, states the Tackman Greenhouses, and the trade was principally in cheap stock in small bunches. Everything was low in price but lilies and they were about the same as in previous years. Cinerarias were the only plants in demand, and there was no sale for carnations, the demand being for eastern sweet peas and daffodils.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the pinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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RENEW subscriptions promptly so that no copies of the papers may be missed.

CANNA plants of true named sorts are selling better than for the past two years. There will be a shortage before the end of May.

If you are not a believer in hypnosis watch the suburbanite looking through the plate glass at a collection of garden seeds and you will be convinced.—Daily News.

CHICAGO glass dealers report that the manufacturers have withdrawn their prices and that there is likely to be an advance of 7½ to 10 per cent in greenhouse glass.

Personal.

Prof. F. A. Waugh, of Amherst, Mass., is making a tour of the west.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

As no objection has been filed, public notice is hereby given that the registration of the following becomes complete. New Rose Killarney Brilliant by Robert Scott & Sons, Sharon Hill, Pa. JOHN YOUNG, Sec'y. May 3, 1912.

National Council of Horticulture.

The second installment of articles issued by the press service of the National Council of Horticulture treats of the following: "Nasturtiums," "Salvia or Scarlet Sage," "Substitutes for Manure (Fertilizers)," "Asters." These articles are issued for free distribution to florists, nurserymen and the local press for the purpose of creating an interest in horticulture. Copies may be obtained by addressing the secretary, J. H. Burdett, 1620 West 104th place, Chicago.

Third National Flower Show.

Chairman C. H. Totty of the National Flower Show committee announces the following additional prizes:

By John Lewis Childs, Floral Park, N. Y.—For an exhibit of Calla Elliottiana, 12 pots, first prize, \$20; second prize, \$15. For an exhibit of Chrysanthemum Glory of Seven Oaks, one 8-inch pot or pan, first prize, \$5; second prize, \$3.

By Julius Roehrs Co., Rutherford, N. J., as an addition to Section H of the preliminary plant schedule.—Stove plants, 12 distinct varieties, not more than 8-inch pots, exclusive of palms, first prize, \$50; second prize, \$25. Palms, 12 plants, 12 distinct varieties, not less than 8-inch pots, first prize, \$50; second prize, \$25. Orchids, 12 plants, 12 varieties, cyripediums and hybrids excluded, first prize, \$50. Brasso-Cattleya, three plants, \$25. Cyripediums, 12 plants, 12 varieties, \$25. Odontoglossums, six plants, (specimen) \$25. Crotons, 25 plants, not less than 12 varieties, not more than 8-inch pots, first prize, \$50; second prize, \$25. Lilacs, 12 plants in bloom, not less than four varieties, first prize, \$50; second prize, \$25.

International Exhibition, Bruges, Belgium

The Societe Royale d'Horticulture de Bruges is arranging an international exhibition this summer which is to be held August 11-18 at the old market place and in the adjoining government buildings and belfry of Bruges, Belgium. The government and town are assisting very largely, which will assure the success of the enterprise. The Royal Horticultural Society of Bruges is the oldest in the world, having been founded February 5, 1651, since which time it has without intermission followed and aided in its work and shows the evolution of horticulture until the present day, when it has become one of the important local industries. In August the famous market place in Bruges will be transformed into a flower garden surrounded by giant baytrees of which Bruges is so famed, and in the adjacent buildings below the belfry, immortalized by Longfellow, exhibitors will find spacious halls where they will be able to group their collection of orchids and palms, new and rare plants, etc., to their best advantage. The very increasing number of visitors which arrive yearly in Au-

gust to see "The Venice of the North," with its museums and art galleries and quaint Flemish architecture, will find another attraction in this horticultural exhibition. Programmes will be supplied and inquiries answered by Ch. Steinmetz, secretary, Bruges, Belgium.

Pittsburg.

CARNATIONS IN SHORT SUPPLY.

The scarcity of carnations is still noteworthy and if it continues it will be hard to get enough for Mothers' day orders. All other stock is quite plentiful. Lilies and American Beauty roses have been very scarce, but are in full supply now. Great quantities of outside lilac is being sold at the market houses.

NOTES.

Nick Harris was married May 5 at Newark, N. J., to Miss Anna Psichos of that place. Quite a number of friends from Pittsburg, Cleveland and other cities attended the wedding.

The much talked of garden scene in A. W. Smith Co.'s windows is changed with the season, beds of flowers, etc., now being featured. Wm. Arnold has severed his connection with this firm.

All the errand boys at the McCallum Co. walked out one day during last week, not on account of wages or hours, but because "one of the gang" was discharged.

Randolph & McClements are in their new home, at Penn avenue and Waitfield street, but say there is still a lot of work to be done.

James Herrow was married May 1 to Miss Shaffer, of Ingram, and the happy couple are spending their honeymoon in the east.

Mrs. E. A. Williams has been making effective use of dog-wood in her window displays and decorations.

E. C. Ludwig is getting his big line of outside flowers planted at his Butler county farm.

Theo. Beckert is sending the McCallum Co. a very nice line of lupines. Very fine yellow daisies are a feature at the Pittsburg Cut Flower Co.

S. J. Hatch now has charge of the planting in the Allegheny Cemetery.

Mrs. Mike Steiner is reported very low, and is not expected to live.

G. & J. W. Ludwig expect to reorganize and incorporate shortly.

J.

Portland, Ore.

Florists, seedsmen, growers, landscape architects, nurserymen and park people to the number of forty assembled at the convention hall of the Commercial club, Friday evening, April 26, preliminary to effecting a permanent horticultural organization. F. A. Van Kirk was temporary chairman, and a committee was appointed to draft a constitution and by-laws, and every indication is apparent that Portland is to have a large and effective working horticultural organization. All of the larger retail florists in the city were represented as well as several of the largest nurserymen and seedsmen in this vicinity, and as a whole each seemed to be very much interested in the project. E. T. MISCHKE, Secy.

GREENVILLE, PA.—William Baird has purchased the Williams greenhouses and has provided himself with an auto truck for quick delivery.

WORCESTER, MASS.—Charles D. MacKie has filed a voluntary petition in bankruptcy. The liabilities are \$11,453 of which \$7,820 is unsecured and the assets are estimated at \$8,300.

RHINEBECK, N. Y.—J. C. Rockefeller has purchased the greenhouse and estate of George A. Salford. The joining of the two places makes Mr. Rockefeller one of the largest violet growers of this section.

Meetings Next Week.

Baltimore, Md., May 13, 8 p. m.—Gardeners' and Florists' Club of Baltimore. Florists' Exchange hall, St. Paul and Franklin streets.

Cincinnati, O., May 13, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., May 13, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2010 Detroit avenue.

Lake Geneva, Wis., May 18, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, Guild hall.

New Orleans, La., May 12, 2 p. m.—Gardeners' Mutual Protective Association, 114 Exchange alley.

New Orleans, La., May 16, 8 p. m.—New Orleans Horticultural Society, Kolb's hall, 127 St. Charles avenue.

Newport, R. I., May 15.—Newport Horticultural Society.

New York, May 13, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

Norwich, Conn., May 13.—New London County Horticultural Society, Buckingham Memorial.

Rochester, N. Y., May 13, 8 p. m.—Rochester Florists' Association, 97 Main Street east.

Seranton, Pa., May 17, 7:30 p. m.—Seranton Florists' Club, Guernsey building.

Springfield, O., May 13.—Springfield Florists' Club, office of the Good & Reese Co.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.**

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Greenhouse man experienced in potting ways position; age 28 years. Address Key 620, care American Florist.

Situation Wanted—Florist, age 22, wants position in store as salesman and designer; first-class references. For further particulars address Key 629, care American Florist.

Situation Wanted—An experienced gardener is desirous of securing a situation in a private place in or near Chicago. For further particulars Address Key 591, care American Florist.

Situation Wanted—In or near Chicago; an experienced carnation grower capable of taking charge; can furnish the best of references. For further particulars address Key 592, care American Florist.

Situation Wanted—As foreman, by florist, 35 years of age, married, 23 years' experience in all branches, private as well as commercial. Last employer retail. Address Key 604, care American Florist.

Situation Wanted—As foreman or manager by first-class grower of choice pot plants and cut flowers. At in roses; German; good references; state particulars. Address Key 598, care American Florist.

Situation Wanted—As gardener on a private place which employs two or three hands. English, age 34; seven years in this country; good reference from last situation. Address A. ABDY, 6 Harris Ave., Jamaica Plain, Boston, Mass.

Situation Wanted—Young man wants position in charge of retail florist store or greenhouses. Understands both branches; good designer; capable, sober and honest. Reply, stating wages, etc. Address Key 617, care American Florist.

Help Wanted—First-class salesman and designers for our retail stores. Apply to HERMAN BERSHAD, care Loeser's, Fulton St., Brooklyn.

Help Wanted—Gardener to take hold of a couple of acres on gentleman's farm and make same into a first-class garden, vegetables and fruit; one who can direct flower planting at owner's residence in town preferred. All necessary help, fertilizers, tools, etc., will be furnished to accomplish desired results. Wages: \$50 per month, room and board on farm. Married man considered if wife willing to look after chickens. Box 270, Hinsdale, Ill.

Help Wanted—Yardman, must be strictly sober, strong and willing worker, understand plants and flowers and care of horse and cow and lawn. One man filled place acceptably for 15 years; wages \$40 per month; board with room and bath included with better salary at expiration of year if satisfactory service is given. Sobriety, intelligence and willing efficiency required with testimonials. Will not consider other than those meeting these requirements at any price. Address G. E. DILLEY, Palestine, Texas.

Help Wanted—A German manufacturer, who makes special heating plants and boilers for greenhouses, desires to secure the services of a capable representative in America (An experienced florist preferred) to start immediately. Apply in writing to Key 610, care American Florist.

For Rent—Old established florist business; big funeral trade; main business street, Chicago; good stock, fixtures and good will reasonable, and give long term lease to responsible party. Key 614, care American Florist.

For Rent—Reissig's greenhouses in Riverside, Ill.; 55,000 square feet of glass, and 12-room brick residence, both hot water heat; 10-room gardener's house; barn, chicken house and five acres of ground; orchard and shrubbery; all in good condition. Apply CHAS. W. REISSIG, Box 289, Riverside, Ill.

For Sale—Two good paying retail stores in Chicago. For further particulars address Key 631, care American Florist.

For Sale—Cheap; store fixtures, wall cases and an Annual cash register. A bargain for some one. Answer now. Key 632, care American Florist.

For Sale—Great Falls Florist Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Special Bargain! Most profitable business in Nebraska. Wire! Write! HIGGINBOTHAM & PICKENS, Hastings, Neb.

For Sale—At once, good florist place, newly built; good business; busy town; cheap if sold at once; middle Ohio. Address Key 630, care American Florist.

For Sale—Cheap, greenhouses, good location, equipped; doing good business; splendid opportunity for young man with small capital. G. W. PATTERSON, Corry, Pa.

For sale—Retail florist business; well established; no incumbrance; low rent; splendid location; good chance for right party, bargain. Address Key 613, care American Florist.

For Sale—At a great bargain, for cash, at once an up-to-date retail florist store, established 30 years doing a good paying business in the middle west. Further information address Key 605, care American Florist.

For Sale—\$2500 cash will put you in possession of 30,000 feet of glass, balance to suit purchaser, place fully equipped and in good running order, good location and a rare opportunity for a good grower. Address Key 607, care American Florist.

For Sale or Rent—4,500 feet of glass, with stock, for sale or rent; good location; good town of 50,000, and growing; hot water or steam heat; city water; dwelling house if desired; must be disposed of at once; favorable terms; a bargain. Address Key 623, care American Florist.

For Sale—On account of age, two small greenhouses and four acres of land; a steadily increasing business done for years which could be easily doubled by a younger and stronger person; a snap for a young man. For full particulars Address Key 594, care American Florist.

For Sale—Greenhouses, 3,500 feet of glass, with store, small house and barn, in Michigan town of 13,000. A very good trade. This is not a business that does not pay, but will bear the closest investigation and will net the price of place in one year and a half. Right in center of city. Owner has enough to live on and will retire. Address Key 603, care American Florist.

Wanted at once.

A first class Carnation and Mum grower. Send references and state wages expected in first letter or call personally. JOHN RECK & SON, BRIDGEPORT, CONN.

WANTED.

Situation to travel by a man having a wide acquaintance in all branches of the horticultural trade.

Key 618, care American Florist.

HELP WANTED

Two good rose growers.

Two good carnation growers.

Two helpers.

BASSETT & WASHBURN
BINSDALE, ILL.

FOR SALE.

\$3,000 will put you in possession of about 10,000 feet of glass. One of the best towns in Illinois. No competition. A large trade. Can sell all that can be grown at good prices. Address

WEARY & SNYDER, Dwight, Ill.

Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address

Key 615, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

FOR SALE

A large Mail Order Seed Business done by annual catalogue, cash with order, is offered for sale. Very profitable business and an excellent opportunity for anyone interested in a mail order business. Owner wishes to retire. If interested address

Key 621, care American Florist.

FOR SALE-A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Ill.

For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line; good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE,

1607 Second Avenue, Rock Island, Ill.

FOR SALE.

Seed, Nursery, Plant and Flower Business for sale. Annual Sales, \$80,000.00. Large cash mail order business from Texas, Oklahoma, Arkansas and Louisiana; 60,000 names of property owners lately revised. Manager, who owns controlling interest in the corporation, wishes to retire. Write for particulars or come and investigate.

DRUMM SEED & FLORAL CO.,
507 Houston Street, Fort Worth, Texas.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

FOR SALE**Well Established Nursery.**

Excellent located near one of Minnesota's most flourishing cities. Excellent railroad facilities. 120 acres in Apples, Small Fruit and Ornamental Stock. Good Buildings, Storage and Packing Cellar. Will be sold with or without land—long lease if desired. An exceptional opportunity if taken at once. Good reason for selling. Write

KEY 578, Care AMERICAN FLORIST.

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employes. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employes) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

BAY TREES—BAY TREES

Just Received. A Large Importation of Bay Trees.

All sizes of Pyramids and Standards. Stock A No. 1 in all respects.

**To Be Offered at Auction
on Tuesdays and Fridays of Each Week.**

MacNiff Horticultural Co., L. SCHMUTZ,
Secretary.

R. W. MACNIFF, Auctioneer.

62 Vesey Street, NEW YORK.

Boston.

CARNATIONS SCARCE.

Business as a whole is very good. Carnations are scarce and command good prices. The growers say that prices are ahead of this time last year. Bulbous stock is getting shorter, and this in conjunction with better business has given the carnations a boost. Easter lilies do not move very swiftly. Marguerites are good and there is quite a quantity of snapdragon in the market, which for length of stem and flower may be called good, but it looks too unwieldy for delicate work, and smacks of something outside. There is also some very nice lily of the valley. Roses are not any too plentiful. We noticed some of the best Cardinal roses we have ever seen. This rose has had a struggle for recognition, but if it can be grown like those we saw it is something good, but that depends on the grower. The Killarney had a hard time, had it not been for a gentleman in Pennsylvania that resurrected it, it might have died a premature death. Boston discarded it because it was short stemmed, and single flowered, but the Killarney of today is not

the Killarney it was when first sent out by Dickson & Sons. It is much better. Mothers' day, May 12, let us all pay homage to the name and memory of our best friend, and let each florist forget the financial part and give away a few flowers to some of those who are not blest with worldly goods to purchase the emblem, and then let George Watson raise his clarion voice and proclaim Fathers' day, and proclaim what flower is to be worn—leaving thistles out of the flower line.

NOTES.

The seedsmen are having a boom just now, their forces working early and late getting out orders, and of course every customer wants his or roses.

H. M. Robinson & Co. report good business, especially on carnations and her order attended to first. MAC.

Denver, Colo.

Business has improved very much during the past week, carnations in particular are moving much better. The prices are still moderate, but all are being sold, and the retailers can

not now fix the price as was the case a short time ago. There is a brisk demand for Spanish iris. This is noteworthy in view of the fact that the few on the market here last year could hardly be given away. Sweet peas are in great demand, they are very popular for corsages with the theatre patrons. Mothers' day has not been advertised as extensively as it should be and as a consequence is not observed here so much as in some other parts of the country.

NOTES.

It is reported that some 200 young ladies are going to sell celluloid buttons with a picture of a carnation on them instead of real flowers on Mothers' day. The proceeds are to be given to a charitable institution. While we are probably as charitably minded as any class of tradesmen it seems a little unfair to have the day so confiscated.

C. Zbinden, formerly of Denver, has opened a flower store in Rock Springs, Wyoming. Since going there he has had the misfortune to lose a leg, but reports now are very bright for him. L. A. Kintzele is the proud father of a ten pound baby boy. T. W. H.

MEMORIAL DAY

NUMBER

TO BE ISSUED

May 16,

JUST RIGHT FOR THE

Decoration Day Business

—The Best Paid—

CIRCULATION

—To the Trade in the Trade—

That means profit to you. No bogus inquiries that cost time and actual cash.

Offer Them Now

ALL SPECIALTIES

For Cemetery Use
All Bedding Plants
Window Box Stock
Plants for Vases

WHILE DEMAND IS STRONG

American Florist Co.,

440 S. Dearborn St., CHICAGO.

 The Early Advertisement Gets There.

BEAUTIES

Big Crop of Extra Long Stems, Very Choice Flowers, \$3.00 Per Dozen.

ALSO A BIG CROP OF ROSES.

Carnations for Mothers' Day, White, \$5 per 100; Colored, \$4 to \$5 per 100

We grow all the flowers we sell and guarantee them to be absolutely fresh.

BUY DIRECT OF THE GROWER

CURRENT PRICE LIST Subject to change without notice

AMERICAN BEAUTIES. Per doz.		WHITE AND PINK KILLARNEY, PERLE AND RICHMOND. Per 100.	
Extra long	\$3.00	Extra long select	\$8.00
30-in.	2.00	Good length	6.00
20 to 24-in.	1.50	Medium length	4.00 to 5.00
15-in.	1.00	Short	3.00
12-in. ....	.50 to .75	CARNATIONS. Per 100.	
RHEA REID. Per 100.		Extra long fancy O. P. BASSETT.....	\$3.00 to \$4.00
Extra long select	\$8.00	Fancy white	5.00
Good length	\$6.00 to 7.00	Fancy pink	3.00 to 4.00
Medium length	5.00	Fancy dark pink.....	3.00
Short	3.00 to 4.00	EXTRA FINE EASTER LILIES.	
MRS. AARON WARD. Per 100.		Per dozen	\$1.00
Extra long	\$8.00 to \$10.00	Per 100	6.00
Medium and good lengths.....	6.00	LILY OF THE VALLEY.	\$3.00 to \$4.00
Short lengths	4.00	ASPARAGUS SPRAYS	per 100, 3.00 to 4.00
ROSES, Our Selection, in lots of 500 or more, \$15.00 per 1000.		ADIANTUM	per 100, 1.00
		GALAX, Green & Bronze.	per 1,000, 1.25
		FERNS	per 1,000, 3.00

Bassett & Washburn, Chicago

Store and Office: 131 N. Wabash Ave.

Greenhouses: Hinsdale, Ill.

Mention the American Florist when you

Chicago.

SPRING FLOWERS ARE HERE.

The warm days early in the week were productive of a large quantity of stock, especially roses, which were received in heavy shipments Monday and Tuesday, but the market was pretty well cleaned up at the end of the previous week, and notwithstanding that the receipts were so large the stock seemed to be disposed of almost as fast as it came in and there was no accumulation in some of the refrigerators. There is, however, a great variety of flowers to be had for the outside flowers are now beginning to come in and with the outside tulips and narcissus and quantities of lilac, both white and purple, and the large amount of greenhouse stock available at this season the buyer has a great variety from which to select and with which to make a display. The roses are still of excellent quality and there is a plentiful supply of all grades. The newer roses are now being received in larger quantities and are being featured by the retailers, vases of Mrs. Aaron Ward, Mrs. Taft and the newer Killarneys are to be seen in quantities large enough to attract the attention of the buyers. Mrs. Jardine and My Maryland are also to be had in good quantity and in splendid quality and these varieties also are freely displayed. Carnations are in adequate supply to meet the demand, but there is no over supply, the stock that comes in finds ready sale and at good prices. There certainly is not the large receipts of this flower that are generally seen on the market at this time of the year and one of the large growers states that he does not believe there will be any glut of this flower this spring for the plants are not producing the large quantities of flowers

which they generally do at this season. It does not look as if there would be any great quantity for Mothers' day and the florist will have to induce the buyers to use some other flower. Sweet peas are in great supply and the stock is very fine and some beautiful bunches of the Spencer varieties are to be procured. The trailing arbutus did not last long on the market, but it was shipped in such large quantities and all at once, so many of the shipments did not pay the gatherers anything, and much of it came in poor condition, the sprays loosely tied up. These flowers to be profitable to the gatherers should be properly bunched so that when it reaches the market it is in a salable condition. Orchids are a little more plentiful and are more generally displayed. Gladioli have made their appearance, the Bride is now daily offered and the first Mrs. Francis King was to be seen this week. Lily of the valley is of splendid quality, and the supply is fully adequate to meet the demand. Antirrhinum is very plentiful and is displayed in large quantities, the vases of pink are very beautiful and are a great attraction with some of the retailers. Marguerites, both yellow and white, and the new variety Mrs. Sander, are seen in good quantity. The first peonies of the season arrived this week and both Queen Victoria, white and Officialis rubra red are seen on the market. Spanish iris is shown in large quantities and is having a good sale. Mignonette, lupines, pansies, and calendulas all add to the great variety obtainable. Greens are not in any too large supply, smilax is still short, and asparagus is not received in any great quantity, and hardy ferns are still selling at good prices. The supply of sphagnum moss is also not large.

U S Budlong's E Blue Ribbon Valley.

NOTES.

Erne & Klingel, the new wholesalers at 30 East Randolph street, are now open for business and cordially invite the trade to pay them a visit. The new concern will handle everything in cut flowers and greens, and in course of a few days will be in fine shape to take care of all orders. Fred G. Klingel, one of the proprietors, takes great pleasure in telling his friends of the receipt of his first shipment, which was twin baby girls that arrived Sunday, May 5. The mother and children are all doing very nicely and the proud papa is as happy as a lark.

J. A. Peterson of Cincinnati was a welcome visitor among the trade this week, and his short enthusiastic visit to the several stores spread an optimistic feeling among the tradesmen. He is making preparations for his visit to the great international show in London this month and there is no doubt but that he will bring back some noteworthy novelty which he will grow to the high culture which he has attained in the plants which have made him so celebrated.

Klug & Stahmer, Park Rldge, formerly in the mushroom business, are embarking in flower growing, building two houses of Foley construction and materials.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Long Fancy Beauties

Richmonds, White and Pink Killarney, Melody, Aaron Ward and Mrs. Taft, Bulgarie.

The price on Carnations for Mothers' Day in effect May 8th to 12th. White Carnations, per 100, \$5.00; Light Plnk Carnations, per 100, \$4.00; Colored Carnations, Our Selection, per 100, \$3.00.



For Spring Weddings Also ORCHIDS

Cattleyas in Good Supply, Light and Dark Colors, \$6.00 per dozen.

CURRENT PRICE LIST

	Per Doz.	Per 100
AMERICAN BEAUTIES.		
Specials	\$3.00	
36-inch	2.50	
30-inch	2.00	
24-inch	1.50	
20-inch	1.25	
15-inch	1.00	
Short stem	per 100 \$4.00 to 6.00	
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.		
	Per 100	
Fancy	\$10.00 to \$12.00	
Medium	8.00	
Short	6.00	
MELODY, fancy long.		
Medium	\$10.00 to \$12.00	
Short	8.00	
MRS. AARON WARD.		
Fancy Long	\$10.00 to \$12.00	
Medium	8.00	
Short	6.00	
RICHMOND, select		
Fancy	8.00	
Medium	6.00	
Good Short	\$4.00 to 5.00	
Good Short	\$2.00 to 3.00	
KILLARNEY, select		
Fancy	\$8.00	
Medium	6.00	
Good Short	\$4.00 to 5.00	
Good Short	2.00 to 3.00	
WHITE KILLARNEY, select		
Fancy	\$8.00	
Medium	6.00	
Good Short	\$4.00 to 5.00	
Good Short	2.00 to 3.00	
ROSES, extra special billed accordingly.		
CARNATIONS, fancy, after May 12	\$ 4.00	
" firsts	3.00	
" common splits	1.50	
ORCHIDS, Cattleyas, per doz	6.00	
PEONIES	\$6.00 to 8.00	
EASTER LILIES, per doz., \$1.50	8.00	
SPANISH IRIS	6.00	
VALLEY	\$2.00, \$3.00 to 4.00	
MIGNONETTE, large spikes	4.00	
PANSIES, fancy large	1.00	
SWEET PEAS, common .....	.30 to .60	
SWEET PEAS, fancy .....	.75	
ADIANTUM CROWEANUM	1.00	
SMILAX	per doz., \$2.50 to 3.00	
SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00	
PLUMOSUS STRING	encl .60	
FERNS	per 1000 3.00	
GALAX	per 1000 1.25	
LEUCOTHOE	per 100 .75	

Good Short Stem Roses, \$20.00 per 1000; 500 at the same rate.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Large Supply of Beauties, Roses and Carnations.

FINEST STOCK IN THE CHICAGO MARKET. BAR NONE.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

	Per Dozen		Per Dozen
60-inch stems.....	\$4.00	24-inch stems.....	\$1.50
48-inch stems.....	3.00	20-inch stems.....	1.25
36-inch stems.....	2.50	15-inch stems.....	1.00
30-inch stems.....	2 00	Short Stems.....	.75

Killarney.

	Per 100
Extra special.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Richmond

	Per 100
Extra specials.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stem.....	2.00

Jardine

	Per 100
Fancy, 24-inch stems.....	\$8.00
Good, 15 ".....	6.00
Short.....	4.00

White Killarney

	Per 100
Extra specials.....	7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Uncle John

Fancy.....	\$6.00
Good.....	3.00
Short.....	2.00

Roses, our selection - - - \$2.00

Carnations,

Special.....	\$3.00
Fancy.....	2.50
Good.....	2.00

HARRISSI..... 8.00 to 10.00

FERNS, per 1000, \$3.50. SMILAX, per doz., \$2 to \$3.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERL, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

The A. Dietsch Company has issued an illustrated and descriptive catalogue of their construction and the manner of building greenhouses is explained in detail with cuts of the different sash bars, gutters and fittings which they manufacture. It has beautiful illustrations of greenhouses in all sections of the country, including among the prominent ranges those of Peter Reinberg, of this city; South Park Floral Co., New Castle, Ind.; G. Van Bochove & Bro., Kalamazoo, Mich.; L. L. May & Co., St. Paul, Minn.; C. C. Pollworth Co., Milwaukee, Wis.; H. A. Dreer, Riverton, N. J.; Bristol Floral Co., Bristol, Tenn., and Ernst Mueller, St. Joseph, Mo., the latter plainly showing the straight alignment obtained with their patent V gutters. Manager Ickes is always anxious to explain the advantages of their construction to all greenhouse men, and a copy of this catalogue can be had by anyone interested upon request.

Wietor Bros. are having a big call for carnations for Mothers' day and the orders are coming in thick and fast. The stock that is now being received at the store is of fine quality especially the American Beauty and Mrs. Jardine roses. The latter are now at their best and some of the flowers that are being received at the store have stems fully five feet long. N. J. Wietor says that his firm has already planted one section of American Beauty roses and is now busy with one of the Killarney sections.

Carl Bachler is going to sell his place at 2209 West Thirty-fifth street and buy a new store at Archer avenue and Leavitt street, one block south of his present location. He is also talking about building several greenhouses and the manufacturer of greenhouse materials that steps lively is likely to get his order. Go to it, Everybody!

H. Van Gelder, the hustling mana-

ger at Percy Jones, has lost no time in fitting out his supply department for he has several small cases already well filled with stock in this line. The cut flower department is very busy and some fine sweet peas are attracting favorable attention from the local buyers.

The Atlas Floral Co. had a bank decoration this week that called for a good supply of seasonable stock and this together with their club work and a brisk transient trade is keeping all hands busy. Frank Williams is improving from day to day and is now feeling more like his old self again.

A. T. Pyfer says that the demand for carnations for Mothers' day at the Chicago Carnation Co.'s store is very good and the orders are large and numerous. His store man, Jack Byers, writes that he is having a lovely time at Hot Springs, Ark., and that he likes the mountain district very well.

S. Freund, with A. A. Arnold, manufacturer of paper boxes, says that his firm will have a large exhibit at the S. A. F. convention in the Coliseum in August. A. A. Arnold makes a very good box for the florist and sells a large quantity to both the local and out of town trade.

W. W. Randall returned on May 1 from a western business trip and left the following Monday on another trip to parts unknown. He says that business is picking up throughout the country and that his last trip was the best he ever had.

Hoerber Bros. are right on deck again with a large supply of roses and carnations and a fine grade of Butterfly sweet peas. This firm is steadily building up a fine trade and the stock is nearly always sure to find a buyer.

Tony Einweck, of E. H. Hunt's cut-flower department, was severely burned this week when a box of matches that

U S Budlong's E Blue Ribbon Valley.

he was holding in the palm of his left hand became ignited. Dear Jack says "It was too hot to handle."

Geo. Walther will have a series of artistic and novel window decorations at his store in Englewood during the street carnival which will be held in the near future by the business men of that section.

Herman Schiller is particularly well pleased with the amount of landscape work that is coming his way, and says that trade is also very lively in the seed and bulb departments.

John Starrett is kept busy with floral decorations at the Hotel La Salle, and the numerous banquets and occasional weddings always call for a good supply of seasonable flowers.

Peter Risch says that everything is fine and lovely at Wieland & Risch's greenhouses and that he has several men busy now planting out carnations.

O. M. Frifeldt, the Armitage avenue florist, says that business is lively and that he has all the work to which he can properly attend.

The Foley Mfg. Co. is shipping Kidwell & Ellsworth material for their new structures at Downers Grove.

County Commissioner, J. A. Mendel, is now spending his Sundays at his summer home at Fox Lake.

P. M. Brodbeck has been suffering considerably the past three weeks with rheumatism.

WHITE AND PINK KILLARNEYS

RICHMOND

BEAUTIES

And a Large Supply of all the other Leading Varieties of Roses.

Roses, in 1000 lots, Short..... 20.00 per 1000.

Roses, in 1000 lots, Medium..... 30.00 per 1000.

Carnations

Fine Large RED, WHITE and PINK Blooms.

CURRENT PRICE LIST.

Send Your Orders Direct to the Grower and They Will be Taken Care of

AMERICAN BEAUTIES	Per doz.		
Extra long stems	\$3 00	Sunrise.....	{ Select \$6 00
36 inch stems.....	2 50		{ Medium 5 00
30 inch stems.....	2 00		{ Short 3 00 to 4 00
24 inch stems.....	1 75	Roses, our selection.....	3 00
20 inch stems.....	1 50	Carnations	3 00
15 inch stems.....	1 25	Fancy	4 00
12 inch stems.....	1 00	Harrisii	per doz. 1 50
Short Beauties.....	\$.50 to 75	Valley	3 00 to 4 00
Richmond		Sweet peas	75 to 1 00
Killarney.....	Select	Tulips	3 00 to 4 00
	Medium	Adiantum	1 00
White Killarney	Short	Asparagus, per bunch.....	50
My Maryland....		Ferns, per 1,000	3 50

Peter Reinberg

30 East Randolph St., CHICAGO.

“The Busiest House in Chicago.”

SWEET PEAS

Finest Flowers in the Market. Also Fancy Lily of the Valley, Tulips and Poeticus Narcissus.

J. B. DEAMUD CO.

Phones { Central 3155. 160 N. Wabash Ave., CHICAGO
Auto. 44-389.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones | Randolph 5449
| Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.
G. C. WEILAND, Sec'y.

White and Red
CARNATIONS

AND

White and Red
ROSES
FOR MOTHERS' DAY

Extra Fine Stock, just right for shipping orders.

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.50	\$ 2.00	\$ 1.50	.....
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00	2.00	.....
White Killarney.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Maid.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Brides.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Carnations.....	4.00	3.00	2.00	.....	.....	.....	.....
Callas.....	10.00	.....	.....	.....	.....	.....	.....
Easter Lilies.....	10.00	8.00	6.00	.....	.....	.....	.....
Orchids, Cattleyas.....	50.00	35.00	.....	.....	.....	.....	.....
Lily of the valley.....	4.00	3.00	.....	.....	.....	.....	.....
Iris.....	5.00	4.00	.....	.....	.....	.....	.....
Sweet peas.....	1.00	.75	.50	.....	.....	.....	.....
Mignonette.....	4.00	3.00	.....	.....	.....	.....	.....
Daffodils.....	4.00	3.00	.....	.....	.....	.....	.....
Tulips, assorted colors.....	3.00	2.00	.....	.....	.....	.....	.....
Jonquils.....	3.00	2.00	.....	.....	.....	.....	.....
Daisies.....	1.00	.75	.....	.....	.....	.....	.....
Asparagus Plumus Sprays.....	4.00	3.00	2.00	.....	.....	.....	.....
Asparagus Spreng-ri Sprays.....	4.00	3.00	2.00	.....	.....	.....	.....
Mexican Ivy, \$5.00 per 1000.....	.....	.75	.....	.....	.....	.....	.....
Smilax.....	25.00	.....	.....	.....	.....	.....	.....
Adiantums.....	1.00	.....	.....	.....	.....	.....	.....
Gelax, Green or Bronze.....per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns.....	3.00	2.50	.....	.....	.....	.....	.....

Poehlmann Bros. Co. is cutting large quantities of lily of the valley and roses and a large supply of extra fancy American Beauties, Melody, Mrs. Aaron Ward and Prince de Bulgarie are plainly visible at the store this week. The demand for carnations for Mothers' day, especially white, has been tremendous, and Otto W. Frese says that he has never known it to be so large before.

George Reinberg's leaders this week are fine Killarney, White Killarney and Richmond roses and cattleyas. His storeman, Robert Northam, is proud of the Richmond roses and says the growers will have to go some to equal his, for the flowers and stems are perfect.

Chas. W. McKellar is offering some fine orchids and is finding but little trouble in disposing of his choice Cattleya Schroedereae and C. Mossiae. He is now quite at home in his new store and is in fine shape to take care of his Memorial day trade.

Bassett & Washburn have acquired the property which they have had in view for some time, consisting of 80 acres at Greets' station, two miles west of Hinsdale, on the Chicago, Burlington & Quincy Railway, and will build there and soon start to move the old range.

John Mangel is showing some beautiful plant baskets in his new store in the Palmer House. Crotons, pandanus and other decorative plants are nicely arranged and are attractive features.

Roy P. Bolander of Hillside is building three new houses 27x100 feet, and will use the Kroeschell threaded tube pipe system for the new addition as well as the present range.

John Schillo says the spring business is on at the Adam Schillo Lumber Co.'s yards and the growers are now ordering their pecky cypress for the necessary repair work.

Zech & Mann are receiving some fine



Special for Mothers' Day **Carnations**

White and All Colors, \$3.00 to \$5.00 per 100

Large Stock of Roses and All
Other Flowers

Especially Orchids, Valley, Sweet Peas and all fancy flowers and decorative stock for June weddings and school closings.

Full line of supplies for Memorial Day.

CHAS. W. MCKELLAR

Phone L. D. Central 3598

22 E. Randolph St., CHICAGO

Kaiserin Augusta Victoria roses in their daily shipments and the quality of the other stock is up to the usual standard.

Peter Weiler of the Superior Machine & Boiler Works says the threatened boilermakers' strike is over and that everything is running smoothly again.

John T. Muir is already for the bedding out trade and the greenhouses and frames are well filled with fine stock for this purpose.

The John C. Moninger Co. is furnishing the material for the new green-

U S Budlong's E Blue Ribbon Valley.

houses of M. C. Burke & Co. and J. Lownatich of Hillside.

The bowling league resumed bowling on May 8 after a month's vacation.

HEADQUARTERS FOR CARNATIONS FOR MOTHERS' DAY

Large Supply of White and Red

CURRENT PRICE LIST.

AMERICAN BEAUTIES.	Per Doz.		Per 100
Specials	\$4.00	CARNATIONS, fancy White and Red.....	\$4.00 to \$ 5.00
36-inch	3.00	" firsts	3.00
30-inch	2.50	" common splits	2.00
24-inch	2.00	ORCHIDS, Cattleyas, per doz.....	\$7.50 to \$ 9.00
20-inch	1.50	CALLAS, per doz., \$1.50.....	12.00
15-inch	1.25	TULIPS	2.00 to 3.00
12-inch	1.00	SPANISH IRIS.....	4.00 to 6.00
Short stem	per 100 \$4.00 to \$6.00	VALLEY	3.00 to 4.00
	Per 100	MIGNONETTE, large splkes.....	4.00
RICHMOND, select	\$8.00	SWEET PEAS, common.....	.50 to .75
Fancy	6.00	ADIANTUM CROWNEANUM .....	.60 to 1.00
Medium	4.00	SMILAX	per doz., 2.50 to 3.00
Good short	3.00	SPRENGERI, PLUMOSUS SPRAYS.....	3.00 to 4.00
KILLARNEY, select	\$8.00	PLUMOSUS STRINGS	each .60
Fancy	6.00	FERNS	per 1000 2.50
Medium	4.00	GALAX	per 1000 1.25
Good short	3.00	LEUCOTHOE	per 100 .75

A. L. VAUGHAN & CO.

Telephones, Central 2571 and 2572.

161 N. Wabash Ave., - - - - - Chicago

ROSES

AND CARNATIONS

BIGGEST CROPS EVER

ORDER OF US

AND WE WILL FIX YOU UP RIGHT. WRITE NOW.

We are particularly strong on White for Mothers' Day, so come to us.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

Long Distance Phones:
Randolph 2758.
Automatic 41770.

Chicago.

Announcement

WE desire to announce to the trade that we have opened our new Wholesale Commission Cut Flower Store, at **30 East Randolph Street, Chicago**, and that we are now prepared to properly take care of any and all business that may be offered to us.

The local trade is cordially invited to visit our store and look over our stock and the out-of-town florists are earnestly requested to favor us with a trial order. We are confident that we can please you for we have had many years of experience on the Chicago Cut Flower Market and are handling none but first-class stock. We would greatly appreciate it if you would favor us with an opportunity to show you just what we can do.

Growers are invited to consign stock to us.

ERNE & KLINGEL

30 E. Randolph St., CHICAGO.

E. E. Pieser, of Kennicott Bros., has received word from one of his growers, W. A. Reiman, of Vincennes, Ind., that if the weather continues as pleasant as it has been the past few days he will have one of the biggest crops of peonies he ever had and that the quality will be fine. One thing that the trade is greatly missing this year is the "Peony King's" gambling which for many years has been one of the features of the peony season. This firm received its first shipment of Peony *Officinalis rubra*, on Monday, May 6.

The George Wittbold Co. is in the midst of a very busy season and each department of this well known firm is having all that it can attend to. The Edgebrook plant reports a good demand for bedding stock and the local establishment a good call for bay trees and boxwood trees. The recent shipments of the latter were so large that the firm was obliged to use the walk in front of the store and it now resembles a driveway in a small park lined with trees of this character.

E. H. Hunt received his first shipment of Queen Victoria peonies on May 6, and the quality of the stock was fine. C. M. Dickinson says that he will handle about 7,000 dozen of these flowers this season from three different sources and also says that one thing the retailer will probably be pleased to hear is that there will practically be no stock put in storage for Memorial day owing to the lateness of the season.

John Sinner is getting the fishing fever and it would not be at all surprising if he and N. J. Wietor, the Chief Piker of the Pikers' Club, and a few of the other Pikers would soon be leaving for White Sand Lake, Wis. One thing is certain, that if the magazine reader goes along it will be under

promise that he will not go looking for a drug store, bakery or a news stand in the dense wilderness.

Otto Wittbold attended the last meeting of the Florists' Club on May 2, and was very much interested in the address of "Concrete Construction in Greenhouses" which was given by his friend, S. A. Jamieson, the gifted young speaker from Bob Lafollette's state. This was the first meeting Mr. Wittbold has attended for the past 15 years and it is hoped by his many friends that it will not be the last.

It is rumored that Hans Rowaltz, Kyle & Foerster's efficient bookkeeper who recently embarked in the retail business with E. Leslie, under the name of the Kedzie Florist, has fitted up a flat above the store and that one of the promising young seed houses will soon be looking for a new stenographer. Congratulations will soon be in order.

Peter Reinberg is right in crop with roses and carnations and the supply is so large that Tim Matchen and his force of assistants have found it necessary to work over time to properly take care of the many orders that are always coming in. The shipping trade is very brisk and large quantities of choice stock are shipped out daily.

John Kruchten visited his gardenia growers at the Deerfield Nurseries last week and came back well pleased with the report that the crops are fine and will be large for the wedding season. Mr. Kruchten is now doing a fine business and says that he could handle some consignments of peonies to good advantage.

J. A. Budlong is fortunate in having a large crop of carnations for Mothers' day and from the present indications it appears as if he will dispose of every bloom. My Maryland and Mrs. Jardine roses of fine quality are attract-

ing the attention of the buyers at this store this week.

The E. F. Winterson Co. is supplying their customers with a fine grade of carnations and other seasonable stock and the genial proprietor says that business both in the cut flower department and seed store is exceptionally good.

Kyle & Foerster are disposing of a large supply of seasonable stock and the demand for carnations for Mothers' day at this house is brisk and the orders are still coming.

Miss M. C. Gunterberg says orange blossoms are practically out of the market and she is now devoting her time to disposing of the roses and carnations.

O. Johnson says that this is fine weather for the peonies and that the Batavia Greenhouse Co. will have a good supply for Memorial day.

The E. C. Amling Co. has had a carpenter busy at the store the past week building new tables to accommodate their increased supply of stock.

Sol. Garland is cutting some fine blooms of his new seedling carnation Rosamond and says that it is the best paying carnation on the place.

Peter Papas is enjoying a fine business at his store at 502 South Wabash avenue and is well pleased with his present location.

Frank Garland is expecting his daughter Rennie to return home from Albuquerque, N. M., some time next week.

Kooble's, 1935 Irving Park boulevard, were very busy this week with funeral work and wedding decorations.

Miss H. V. Tonner is headquarters for a fine grade of Spanish Iris, snapdragons and single stocks.

Mrs. Anton Then is on the sick list this week.

May 30, the Big Day

In the last few years Decoration Day has become the big day in the flower business. Practically every florist can, if he tries sell more flowers May 29 and 30 than in any other two days in the year. And it is fine business. Flowers are plentiful and cheap, so that there is a good margin of profit. Also, the customer usually takes the flowers along, so there is no expense for delivery. That adds a whole lot to the profit.

The Peony Is the Special Decoration Day Flower.

It makes the biggest show for the money. Also it is the most reliable shipper; you can be sure your Peonies will reach you in fine condition, that they will not go to sleep on your hands, and that they will give your customers satisfaction.

Kennicott's Is the Peony House. It was our exploitation of the Peony that made the Peony and the Decoration Day business what it is today. **We handle more Peonies than any other house in America.** For Decoration Day we ship them from Chicago to the Atlantic seaboard and to the Pacific coast.

Now booking orders. The stock this year promises to be the finest ever, and with the many thousands of plants we own or control we are assured many thousands of dozens, even with the light crops most growers report.

The finest, \$8.00 per 100: medium, \$5.00 to \$6.00 per 100; good stock, \$4.00 per 100

KENNICOTT BROS. CO.

163-165 N. Wabash Ave., L. D. Phone Central 466, CHICAGO.

Peony Growers

We can use a large quantity of peony flowers and are desirous of obtaining consignments from several growers. We can assure you of the best prices available on the market and can place your stock to advantage. Let us hear from you as soon as possible.

JOHN KRUCHTEN

162 N. Wabash Ave., Phone Central 6269 CHICAGO

J. B. Deamud Co. is showing a fine assortment of stock just now, the growers sending in a large quantity of exceptionally fine quality. Particularly noticeable this week were excellent lily of the valley and fancy tulips. A large quantity of Poeticus narcissus is now being received and this week the first peonies were seen, a fine lot of *Officinalis rubra*.

The Chicago Flower Growers' Association is the recipient of a full assortment of seasonable stock with Killarney roses of exceptionally fine quality.

J. F. Kidwell is still calling on the growers in the interest of the corporation, and it is needless to say that he is having a delightful time with the growers in his visits.

Frank Johnson, A. L. Randall Co's. enterprising sales manager, is back from his southern trip with a smile and a big bunch of orders.

A. L. Vaughan & Co. are receiving quantities of stock. Spanish iris are a great feature of this store in a great variety and of excellent quality. The roses, carnations, tulips and other stock

U Budlong's
S
E Blue Ribbon Valley.

is all meeting with good sale and the demand for Mothers' day is exceptionally brisk.

1,000 MILES

ED. WINTERSON CO.

166 N. Wabash Ave.,
CHICAGO

All late orders for Mothers' Day will be filled in full.

Wendland & Keimel have finished planting the following roses: 7,000 Mrs. Aaron Ward, 3,000 Rhea Reid, 2,000 Sunburst, 2,000 Radiance, 1,000 Killarney Queen, 40,000 Killarney, 14,000 White Killarney, and as W. J. Keimel jokingly says, 3,500 Prince de Bulgarie, Antoine Revoire and Mrs. Taft. They have 150,000 feet of glass and the output is all consigned to the E. C. Amling Co.

Jac. Lederer, 644-48 West Madison street, is now manufacturing florist refrigerators and two of their new style boxes are already in use by the Chicago Floral Co., 41 West Randolph street, and Nick. Korson, 120 North State street. M. Lederer, who looks after the florist trade, is making special inducements to those who are considering installing a new box.

George Perdikas is making preparations to enlarge his store on South Wabash avenue and when the new alterations are made he will have double the present store space. He now has three stores in the loop and it is rumored that he will open another one in the near future.

Lublinter & Trinz, the East Randolph street florists, had one of their biggest days of the year last Friday, May 3, when business was more than brisk. This firm believes in making a fine window showing and a good assortment of seasonable flowers always meets the eye of the passerby.

The George M. Garland Co. is receiving a great number of inquiries from prospective builders and they are pleased to note that some are very much interested in their movable greenhouses.

Fred Lautenschlager, northern state vice-president of the S. A. F., is putting in a lot of hard work for the society these days and is constantly add-

ing new names to the list of membership.

The glass manufacturers have withdrawn their prices and the local dealers say that there is likely to be an advance of 7½ per cent to 10 per cent in the price of greenhouse glass.

The sympathy of the trade is extended to A. T. Hey in the loss of his mother, whose death occurred on Friday, May 3.

D. E. Freres' stock is arriving in fine shape and some fancy roses and carnations can be obtained here this week.

Visitors: Miss Kaber, La Porte, Ind.; A. Forder, Cincinnati, O.; Chas. Frueh, with Chas. Frueh & Sons, Saginaw, Mich.; J. A. Peterson, Cincinnati.

Chicago Florists' Club.

The regular meeting of the Chicago Florists' Club was held at the Union Restaurant May 2, with a large attendance, President Foley in the chair. The following new members were elected: John Lambert, Lake Forest; H. Van Gelder, 56 East Randolph street; August Koch, 3500 Washington boulevard; S. A. Jamieson, 72 West Adams street; and R. Papineau, Jr., Madison and Canal streets.

The vacancy on the board of trustees was filled by the election of C. L. Washburn, the other members of this board now being H. N. Bruns and George Asmus. E. R. Farley was appointed chairman of the Sports and Pastimes committee and an appropriation of \$50 was made for the use of the bowlers. C. F. McCormick was elected secretary to fill the unexpired term of the current year.

President Foley announced the appointment of a general committee on convention ways and means, which,

U S Budlong's E Blue Ribbon Valley.

with some additions and other presidential announcements, will appear later. At the close of business the members adjourned to the main dining hall of the Union Restaurant where S. A. Jamieson gave a very interesting discourse on "Concrete Construction in Greenhouses," with stereopticon views, for which he was accorded a hearty vote of thanks, the entire audience standing in appreciation.

Charles Bond of Naperville exhibited a plant of *Cattleya Mossiae* Wageneri bearing one large spike. The flowers were large, the sepals and petals being almost pure white, the lip being slightly colored with yellow and a tinge of purple.

Cincinnati.

LARGE DEMAND FOR MOTHERS' DAY.

The market this week is somewhat firmer than it was, due mostly to the smaller but still easily sufficient supply of flowers received. The average quality, too, is fairly good. Prices in some lines are somewhat better. The demand for Mothers' day is very large and has sent the price of white carnations sky rocketing. The improvement of the quality of American Beauty roses is most apparent. The supply of good stock is large and seems to sell fairly well. The carnation supply has

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
 66 E. Randolph Street, Phone Central 1496. CHICAGO
Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

E. C. AMLING CO.

THE LARGEST,
 BEST EQUIPPED,
 MOST CENTRALLY LOCATED
 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.
 68-70 E. RANDOLPH STREET
 CHICAGO.
 L. D. 'Phones Central 1978 and 1977.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY WHOLESALE
 and CARNATIONS Grower of **CUT FLOWERS**
 A Specialty.....

Percy Jones

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, May	Per doz.
Roses, Beauty, specials,	3 50@4 00
" " 36-in	3 00
" " 30-in	2 50
" " 24-in	1 50@2 00
" " 15-20-in	1 25
" " 12-in	1 00
" " Short	4 00@ 6 00
" Killarney	2 00@ 8 00
" White Killarney	2 00@ 8 00
" Richmond	2 00@ 8 00
" Prince de Bulgarie	6 00@12 00
" Mrs. Aaron Ward	6 00@12 00
" My Maryland	2 00@ 8 00
" Perle	2 00@ 8 00
" Melody	6 00@12 00
" Bride	2 00@ 8 00
" Bridesmaid	2 00@ 8 00
" Uncle John	2 00@ 6 00
" Mrs. Jardine	4 00@ 8 00
Carnations	1 50@ 4 00@ 5 00
Cattelyas	6 00@ 7 50
Dendrobium Nobile	10 00@12 50
Gardenias	2 00@ 3 00
Lilium Harriail	per doz., 1 50
Callas	per doz., 1 50@2 00
Mignomette	4 00
Spaniah Iris	4 00@ 6 00
Sweet Peas	30@ 1 00
Pansies	1 00
Peonies	6 00@ 8 00
Tulips	2 00@ 3 00
Valley	3 00@ 4 00
Adiantum Croweanum	1 00
Boxwood	per bunch, 25
Ferns	per 1000, 3 00@3 50
Galax bronze	1 25
Leucothee	75
Plumosa String	each, 60
Smilax	per doz., 2 50@ 3 00
Sprengerii, Plumosa Spraya	3 00@ 4 00

Tom Windram of Cold Springs is cutting good outdoor tulips.
 Visitors: Sam Seligman, representing Wertheimer Bros., New York; Martin Reukauf, representing H. Bayersdorf & Co., Philadelphia. H.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
 Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO
 Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Cut Flowers
 Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing



ROSES

White and Pink Killarney and Richmond
 Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.
 Princeton, Ill.

Geo. Reinberg

Wholesale Florist

162 N. Wabash Ave., CHICAGO

Budlong's Blue Ribbon Valley.

decreased considerably in volume and while prices are low jobbing has about ceased. Lilies continue to be in a much larger supply than the call for them, and as a result many are going to waste. They hardly sell at any price. This applies to callas as well as longiflorum, Harrisii and giganteum. The supply of good snapdragon is very large and as a result the market is very easy in this line. Iris still sells nicely, but the price has weakened and the large German iris are now coming in. The first peonies have arrived and more are following. Large, choice gladioli are selling nicely. The large outdoor tulips are in, and red are more in abundance than the other colors.

NOTES.

Ed. Buschle of C. E. Critchell's will be next to become a benedict. He will lead his bride, Miss T. Sheldrink, to the altar on June 1.

C. E. Critchell offered the first peonies this season. He is also finding a large call for leucothee right now.

The two firms of Schuman & Wahlers and Wm. Schuman have been cutting elegant giganteum lilies.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co
Lickrun, Cincinnati, Ohio

Milwaukee.

FLOWER DAY A GREAT SUCCESS.

Stock is again back to a normal condition with carnations cleaning out readily and enough roses to fill all orders. Sweet peas have been a scarce article the past week, but there are prospects of a big crop coming in. Smilax is still scarce. Easter lilies are coming in regularly, but the majority are short-stemmed. Good long lilies are selling readily. Flower day, which was originated for a charitable purpose, was very successful financially and was surely a great thing for the market and the growers, as it cleaned up everything that was salable. Had this day come when the markets were over-stocked it might have been more beneficial to the florists in general, as it would have helped to do away with the surplus of stock that existed for several weeks after Easter. It would have been a much easier task to have supplied the committee, for it was impossible to fill their demands. The majority of young ladies complained of not having anything to sell during the best part of the day, for the local markets were cleaned out, and it was necessary to get in a supply from Chicago, with the result of the loss of many good sales. This being their first experience, the committee will know better how to go at it next year.

NOTES.

Joseph Perstein, well known to the local trade, died Saturday evening after a two weeks' illness, at Trinity hospital. This was the closing of what appeared to be a brilliant career, as Joe had been successful in the winning of medals during his high school career and was just finishing up two successful years at Wisconsin university, where he had been studying law.

The Fox Point Floral Co. is cutting some fine lupines, which are finding ready sale at the Gust. Rusch & Co. wholesale house.

Gustav Pohl is cutting some fine snapdragon and sweet peas, which are being disposed of at the local market.
G. R.

St. Louis.

SUMMER WEATHER.

Warm weather is here at last and the market has already put on its summer appearance. The growers are talking of organizing; their last report of sales has caused them look up and take notice. Large quantities of stock unsold and the prevailing low prices at last woke them up to the conditions. Mothers' day is on hand and if properly advertised and the prices held at reasonable values some business may be expected, but a rise in prices will kill the goose that laid the golden egg. Carnations and roses are showing the effect of the warm weather. Home-grown lilacs are in large supply and the early varieties of gladiolus are received. Hardy and fancy ferns are getting scarce, but the new local crop can be expected in a week or so. The growers of plants and garden stock are out in full force and the florists' wagons are loaded with blooming plants.

NOTES.

Dr. George T. Moore, who succeeded Professor Trelease as director of Missouri Botanical Gardens, will have a pathological plant hospital for sick plants of all kinds. There will be a

Wholesale Flower Markets

CINCINNATI, May 8.

Roses, Beauty.....per doz.,	50@ 4 00
	Per 100
" Bride, Bridesmaid.....	2 80@ 8 00
" Killarney.....	2 30@ 8 00
" My Maryland.....	2 00@ 8 00
" Perle.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" Tait.....	2 00@ 8 00
Carnations.....	2 00
Lilium Giganteum.....	8 00@10 00
Callaa.....	8 00@10 00
Gladioli.....	8 00@10 00
Iris.....	3 00@ 4 00
Lily of the Valley.....	3 00
Sweet Peas.....	25@ 35
Tulips.....	2 00@ 3 00
Adiantum.....	1 00
Asparagus Plumosus....per bunch,	25
Asparagus Sprengerl....per bunch,	25

St. Louis, May 8.

Roses, Beauty, medium stems....	25 00@30 00
short stems.....	2 00@ 4 00
" Bride, Bridesmaid.....	3 00@ 4 00
" Killarney.....	3 00@ 6 00
" My Maryland.....	3 00@ 6 00
" White Killarney.....	2 00@ 6 00
Carnations.....	1 50@ 2 00
Callaa.....	5 00@ 6 10
Easter Lilies.....	10 00
Peas.....	40@ 60
Valley.....	3 00@ 4 00
Violeta, Single.....	35@ 50
Asparagus Sprengerl.....	2 00@ 3 00

weekly clinic where diseased plants can be brought, the trouble recognized and remedies suggested.

The St. Louis Horticultural Society, having died a natural death, it is sincerely hoped that the St. Louis Florists' Club will give St. Louis a flower show in the near future.

M. M. Ayres Floral Co. caused the arrest of a party endeavoring to obtain the change on a worthless check. A list of prominent florists was found in his possession.

The Florists' dance will be held Thursday, May 9, and a good attendance is the outlook. The younger element will predominate and a good time is promised.

Weber's Nursery is furnishing extra fancy long-stemmed lilacs, both purple and double white. Wm. H. Smith Wholesale Floral Co. receive the consignments.

The Greeks are again in evidence. Short-stem American Beauties at five cents is their stock in trade, but find good rivals in the down-town stores.

The Sunday opening of Shaw's Garden, May 5, was attended by over five thousand people. The garden will be open every Sunday.

O. C. May of Webster Grove is cutting fine sweet peas and carnations and will shortly have gladioli.

Adolph Abner is bringing Peach Blossom gladiolus to the market.

Vincent J. Gorly and wife have returned from their southern trip.
W. F.

POUGHKEEPSIE, N. Y.—"The weather was elegant for both sales and deliveries," writes the Salford Flower Shop. "We had a fine lot of flowers and plants and business was never better or cleaner. Corsages for Easter wear were more popular than ever this year. Every Easter lily was sent out in a separate box this year, which was a new feature and we have not had a complaint about a bruised lily."

—THE—

J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.
Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Mention the American Florist when writing.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St.,
Both L. D. Phonea. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., **ST. LOUIS, MO.**
A Complete Line of Wire Designs.

THE MUNK FLORAL CO.
Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.
Columbus, Ohio

C. E. CRITCHELL
34-36 Third Ave. East, **CINCINNATI, O.**
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies
Please mention the American Florist when writing.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.
Mention the American Florist when writing.

SPHAGNUM MOSS
Fresh, clean, dry Sphagnum Moss, put up in burlap bales, now ready for prompt delivery.
GEO. H. ANGERMUELLER,
Wholesale Florist,
1324 Pine Street, **ST. LOUIS, MO**

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

Detroit.

A RUSHING BUSINESS.

Trade the past week was active all along the line and well maintained to the present time. Carnations held firmly, as the daily receipts were materially reduced from the former week's tremendous cut. Roses, though in heavy supply, were well used up and more long stemmed stock could have been sold. There was a heavy supply of lilies and bulbous stock that moved slowly. Iris made its initial appearance on the market but quickly developed an oversupply. Baby gladioli, too, are now coming in but find a limited demand. American Beauties of all grades are in good supply but easily disposed of. Sweet peas, now an important factor in the market, are coming in heavy, but are daily consumed with no surplus. Even the white varieties were popular, particularly for May day, when great quantities were used, sharing the good fortune of the colored sorts. Greens of all kinds are in good supply and sell well, particularly the short Asparagus plumosus, the demand for which is coincident with that of the sweet peas and other flowers to satisfy the call for corsage bouquets. Saturday developed a surprisingly large trade, which completely used up the entire cut on the market and special consignments were made late in the day to completely fill orders. This activity continued Monday, May 6, and indicates a good trade throughout the week, with prices strengthening as Mothers' day approaches with its special prices. For the event white carnations will be scarce, as orders already booked exceed the visible supply. In colored varieties a better supply is promised, though prices on these, too, will advance. Roses will probably be in sufficient supply to forbid any considerable advance.

CLUB MEETING.

The club meeting Monday evening, May 6, was held for the first time in the club's new quarters over the new store of Moebius & Hufford, 247 Randolph street. About twenty members were present, with President George Brown in the chair. The essayist for the evening was unavoidably absent, but the time was well spent in the discussion of various topics, chief of which was Mothers' day trade and the means of developing it. A considerable sum of money was subscribed for exploiting the event in the daily papers and a committee consisting of R. Rahaley and J. F. Sullivan was appointed to judiciously devote the fund to newspaper publicity that will lead to the proper observance of this day, becoming annually of more importance to the trade.

Announcement was made at the meeting of the death of Mrs. Wm. F. Kasting, Buffalo. This was received with deep regret by all among whom the bereaved husband has many warm friends. A committee was appointed consisting of M. Bloy, Wm. Dilger and J. F. Sullivan to draw up suitable resolutions expressive of the club condolence and forward the same to Mr. Kasting.

W. J. Burch, a west side florist, was elected to membership in the club.

NOTES.

Herman Klage leaves Breitmeyer's store, May 15, after a continuous

GUST. RUSCH & CO.

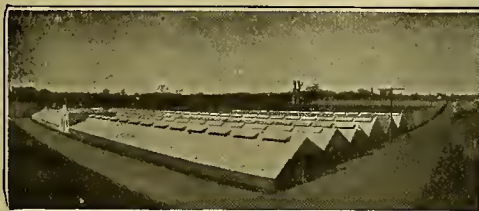


Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.



**A Good Place to Buy Cut Flowers,
Palms, Ferns**

**Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.**

Wholesale Flower Markets

MILWAUKEE, May 8.

Roses, Beauty..per doz..	1 00@ 4 00
Killarney.....	2 00@ 8 00
Richmond.....	2 00@ 8 00
White Killarney.....	2 00@ 8 00
Carnations.....	2 00@ 4 00
Lilium Giganteum.....	8 00@10 00
Lily of the Valley.....	3 00
Daffodils.....	3 00
Poeticus.....	2 00
Sweet Peas.....	50@ 1 00
Tulips, Single.....	3 00
Double.....	4 00
Adiantum.....	1 50
Asparagus.....per string.	50
Sprengeri, per bunch.	35@ 50
Ferns, Fancy.....per 1000.	2 50
Galax, green.....per 1000.	1 50
bronze.....per 1000.	1 50
Boxwood....per bunch.....	25

service with that firm for 30 years. He will be the head of the new firm conducting the Little Flower Shop on East Grand River avenue near Broadway.

Wm. Dilger has been appointed superintendent of the parks of London, Ont., and will enter upon his new work this week.

Chas. Plumb has recently received an importation of boxwood trees and is doing a big trade in them.

Ed Beard now drives a new Reo touring car. The old Reo is being converted into a delivery car.

Fred Breitmeyer spent several days in Chicago last week visiting the growers.

M. Bloy is making extensive preparations for his annual cash plant sale.

Philip Breitmeyer is serving as juror in the U. S. Federal Court.

Peter Rush, son of Louis Rush, was married last week.

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers, Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.

Mention the American Florist when writing

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Mrs. John Warnicke is recovering from a brief illness. J. F. S.

TORONTO, ONT.—The weather was mild and spring-like and the trade at Easter was about twenty-five per cent larger than last year, says H. G. Dille-muth. The prices were about the same as a year ago and there was a good supply of plants with the exception of lilies. American Beauty roses and mand, but enough of all other cut flowers to fill orders. Rhododendrons, lilies, roses and made up baskets of plants sold well, but azaleas were a little slow. Everything in cut flowers sold well with a large demand for violets and flowers for corsages. There was no frost to interfere with deliveries, but it started to rain Sunday morning and later in the day it grew colder and became very wintry again.

Good Luck—Four-Leaved Clovers

Plant keeps well, requires little care, excellent seller, suitable for any occasion—birthday, wedding, sick room, traveler, or any event where a good luck wish is in place. Introduced in New York this Easter and taken up by the Public with great enthusiasm.

SPECIMEN PLANTS, \$24.00 per doz. SEEDLING PLANTS, \$35.00 per 100, \$6.00 per doz.

Large Plants Retail at \$5.00 each. Small Plants at \$2.00 each.

For Sale by **Julius Roehrs Co., Rutherford, New Jersey** or **Max Schling, 22 W. 59th St., New York City**

You will be agreeably surprised at the fine quality of our

FANCY
\$2.50 per 1000.

FERNS

DAGGERS
\$2.00 per 1000.

The best Ferns you ever bought so late in the season.

THE LEO NIESSEN CO.,

Wholesale Florists,

12th and Race St., PHILADELPHIA, PA.

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock.

WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.
Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000.

W. H. ELLIOTT,

Brighton, Mass.

WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland, and other seasonable stock.

Philadelphia.

ALL STOCK SELLING WELL.

The week wound up with a grand hurrah, about anything of value being bought up before Saturday was over. There was no particular one thing that caused the demand, just a sort of quickening all around. The quality of stock is still good, but roses are retrograding, getting smaller with more evident touches of mildew. Kaiserin are now coming to the front and growers with any quantity of stock should do well. Carnations are very good, but the white ones are going out of sight for next Friday and Saturday delivery. Eight to ten dollars per hundred is the price asked and some of the store men say that rather than pay such prices they will not carry them in stock. Sweet peas have been in good demand and sell up close every day at satisfactory prices. Violets are done for the season; they have been a good crop with most growers. Snapdragon is very fine. The best stock of the season is now offered and it is a good seller. Cattleyas are in demand, as is lily of the valley. White and yellow daisies are now in full crop and very fine flowers are seen, as they are sold in quantity lots at low figures. They are carried in quantities in the stores and are much used in baskets and bouquet work and to touch up boxes of cut flowers. White forcing lilac is done for the season and the streets are lined with the outdoor purple, of which great quantities are sold. The wholesale men are having large stocks to handle these days and in order to turn over their consignments quickly are making special prices in quantity lots. Many shipments go out in the original packages, thus saving handling and the damage incident thereto.

CLUB MEETING.

There was a goodly attendance at the May meeting of the Florists' Club Tuesday, May 7, the feature of which was the illustrated lecture on the newest ideas in greenhouse building, by Montague Wright of the Lord & Burn-

Wholesale Flower Markets

PHILADELPHIA, May 8.		Per 100
Roses, Beauty, extra	.....	20 00@25 00
" first	.....	8 00@12 00
" Brides and Maids	.....	4 00@10 00
" Killarney	.....	4 00@15 00
" White Killarney	.....	4 00@15 00
" Liberty	.....	4 00@15 00
Callas	.....	10 00@12 00
Cattleyas	.....	35 00@50 00
Daffodils	.....	2 00@ 3 00
Geraniums	..... per doz., 1 00@2 00	
Lilium Harrisii	.....	8 00@10 00
Lily of the Valley	.....	3 00@ 5 00
Marguerites	.....	75@ 1 00
Mignonette	.....	3 00@ 4 00
Snapdragons	.....	8 00@12 00
Sweet Peas	.....	50@ 1 00
Tulips	.....	2 00@ 3 00
Violets, single	.....	75@ 1 00
" double	.....	75@ 1 00
Adiantum	.....	1 00@ 1 50
Asparagus	..... per bunch, 50	
Smilax	.....	15 00@20 00
BOSTON, May 8.		Per 100
Roses, Beauty, best	.....	20 00@35 00
" medium	.....	12 00@25 00
" culls	.....	2 00@ 4 00
" Bride, Bridesmaid	.....	2 00@ 6 00
" Extra	.....	6 00@12 00
" Killarney and Richmond	.....	4 00@12 00
" My Maryland	.....	4 00@12 00
" Carnot	.....	6 00@12 00
Carnations, select	.....	1 00@ 3 00
Callas	.....	8 00@12 00
Cattleyas	.....	35 00@50 00
Geraniums	.....	12 00@20 00
Lilium Longiflorum	.....	8 00@12 00
Lily of the Valley	.....	2 00@ 4 00
Mignonette	.....	3 00@ 6 00
Narcissus, yellow	.....	3 00@ 3 00
" white	.....	1 00@ 3 00
Sweet Peas	.....	1 00@ 1 50
Smilax	.....	12 00@16 00
Snapdragon	.....	6 00@ 8 00
Violets	.....	35@ 75

ham Co. The meeting was held in the lecture room of the Horticultural Society so as to show the lantern slides to the best advantage. Wm. Kleinhertz exhibited a splendid specimen calceolaria crossed with hybrida from a seedling raised at the Arnold Arboretum, which was much admired. It was decided to hold an outing of the

club on Thursday, June 6, at Washington Park. A steamboat ride up and down the Delaware is to be followed by games at the park, after which there is to be a shad dinner and return by boat to the city, the expense of which will be \$2.00. The special feature of the June meeting will be an exhibition of peonies.

NOTES.

The Philadelphia Rod and Gun Club, which holds its business meetings monthly at the office of the W. K. Harris greenhouse establishment, adds to the enjoyment of the occasion after the business session, with a lecture on topics that interest the members and their friends. The subject last Friday evening was "The Wild Flowers of the Canadian Rockies," a lecture given by President Thilow of the Florists' Club. It was magnificently illustrated by colored lantern slides: The story of the visit to this mountain wonderland was very graphically described by Mr. Thilow, whose description of the wonderful scenery and the flora of these regions kept his audience spellbound. He received a rousing vote of thanks from the company at the conclusion of the lecture. W. K. Harris and Mark Mills had turned the large shed into a very acceptable auditorium. There was a liberal display of flags and plants in flower decorated both sides of the shed, while seats for several hundred guests were ranged in the center. At the close of the lecture refreshments were served by the gun club. Wm. E. Meehan, late fish commissioner of the state, now in charge of the aquarium in Fairmount Park, is to tell of the fisheries and the work of the commission in stocking the streams with trout, bass and other game fish.

The flower stand privilege at the east and west ends of the Market street entrances to the city hall has been let to Samuel G. Harris, who has for some time been carrying on business at the East Market street entrance. There was much spirited bidding for the privilege, all the way from \$25 to \$115

Good Luck—Four-Leaved Clovers

Plant keeps well, requires little care, excellent seller, suitable for any occasion—birthday, wedding, sick room, traveler, or any event where a good luck wish is in place. Introduced in New York this Easter and taken up by the Public with great enthusiasm.

SPECIMEN PLANTS, \$24.00 per doz. SEEDLING PLANTS, \$35.00 per 100, \$6.00 per doz.

Large Plants Retail at \$5.00 each. Small Plants at \$2.00 each.

For Sale by **Julius Roehrs Co., Rutherford, New Jersey** or **Max Schling, 22 W. 59th St., New York City**

per month for each stand, at which latter figure Mr. Harris secured the privilege for one year. It seems as if this was a pretty steep price, as there is no shelter and very little business can be transacted on stormy days or during the extreme winter weather. This was formerly a police perquisite, but the reform administration made it a free-for-all contest to be allotted to the highest bidder, with the above result.

C. W. Ward, late of Queens, L. I., paid a flying visit to this city the past week. He is now conducting a large tract of 20,000 acres on the coast of the Bay of Mexico in the state of Louisiana, about one hundred and fifty miles from New Orleans. The soil is very rich, corn growing to a height of fifteen feet. He is experimenting with several plants which will be of use to the trade when he can offer them in quantity.

Spanish iris is a feature with the S. S. Pennock-Meehan Co., although everything is seen in such quantities in this great market that almost anyone can be supplied at a moment's notice.

The Leo Niessen Co. say their rose specials have met with great success and many repeat orders are received. American Beauties and snapdragon are two leaders this week.

John Cella has sold his business at Twenty-second and Columbia avenue and will open a store within the next month at Twenty-ninth and Dauphin streets.

The new house of the Joseph Heacock Co. at Roelofs is rapidly approaching completion, the glazing being finished this week.

Edward Reid has returned from his southern trip in better health. Business, he says, is all right with him.

Berger Bros. are featuring sweet peas, Easter lilies and choice roses. They say business keeps up well.

Senator Joseph Heacock attended the democratic convention at Harrisburg Tuesday. K.

Rochester, N. Y.

The market conditions have improved somewhat, but there is plenty of good fresh stock arriving every morning. Carnations are in great abundance, although a little falling off in quantity is noticed, but the demand is good and prices keep up fairly well. Sweet peas are in splendid shape and find quick sales, and lily of the valley is in fair quality. Roses are plentiful in all colors. Smilax is scarce and the receipts of lilies and callas are smaller. The supply of Asparagus plumosus and Sprengeri is no larger than the requirements. Business during April was unusually good and the flowers exceptionally fine.

NOTES.

J. B. Keller's Sons had a most artistic window display in memory of the ill-fated "Titanic." The American and English flags, draped side by side, with a large wreath of magnolia leaves,

Wholesale Flower Markets

BUFFALO, May 8.		Per 100
Roses, Beauty, special.....	25 00@30 00	
" " fancy	20 00@25 00	
" " extra	12 00@15 00	
" " No. 1.....	8 00@10 00	
" " No. 2.....	3 00@ 5 00	
Bon Silene.....	2 50@ 3 00	
Perle.....	5 00@ 8 00	
Maid and Bride	3 00@ 6 00	
Pink Killarney.....	3 00@ 8 00	
White Killarney.....	3 00@ 8 00	
Richmond.....	5 00@10 00	
My Maryland.....	3 00@ 8 00	
Carnations.....	1 50@ 2 50	
Callas.....	8 00@10 00	
Daffodils.....	2 00@ 3 00	
Daffodils, Single.....	1 00@ 2 00	
Daisies, white.....	1 00@ 1 50	
Lilium Longiflorum.....	8 00@10 50	
Lily of the Valley.....	3 00@ 4 00	
Mignonette.....	2 00@ 3 00	
Myosotis.....	15c to 35c per bunch	
Pansies.....	50@ 75	
Romans.....	2 00@ 3 00	
Swainsona.....	1 00@ 1 50	
Sweet Peas.....	50@ 1 00	
Tulips, Yellow and White.....	2 00@ 3 00	
Adiantum Crowsanum.....	75@ 1 50	
Asparagus, per bunch.....	35@ 50	
Asparagus Sprengeri.....	35@ 50	
Smilax.....	15 00	

PITTSBURGH, May 8.		Per 100.
Roses, Beauty, special.....	25 00	
" " extra.....	12 00@25 00	
" " No. 1.....	6 00@10 00	
" " Bride, Bridessmaid.....	2 00@ 4 00	
" " Chatenay.....	2 00@ 4 00	
" " Killarney.....	2 00@ 4 00	
" " My Maryland.....	2 00@ 4 00	
" " Richmond.....	2 00@ 4 00	
Carnations.....	1 50@ 2 00	
Cattleyas.....	50	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	4 00	
Oncidium.....	3 00@ 4 00	
Sweet Peas.....	50	
Violets, single.....	25	
" double.....	50	
Adiantum.....	1 00	
Asparagus Sprengeri, per bunch.....	35	
" aspara.....per bunch.....	35	

Easter lilies in one corner, and in the other an immense picture of the lost floating city. Two large baskets of lilies with palms formed a fitting background.

The Lady Florists' Bowling Association met at Elm Hall for the last time this season April 30. After bowling they partook of supper with their husbands as invited guests, and all enjoyed a very pleasant evening. The highest score was made by Mrs. E. Vick.

Geo. B. Hart reports an unusual sale of antirrhinum this season. He thinks that the very fine specimens grown in the park greenhouses may have created an interest in this flower.

Sincere sympathy is extended to both Mr. and Mrs. William Keller in their bereavement, the father of Mrs. Keller, Mr. Meinhard, having died April 30.

Thomas A. Whittle has been appointed park commissioner in place of Stephen G. Hollister, deceased.

All florists are looking forward to



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists, BUFFALO, N. Y. Florists' Supplies and Wire Designs.

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Mention the American Florist when writing

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

Mention the American Florist when writing

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio Pittsburgh, Pa.

Mention the American Florist when writing

Mothers' day. Each year business that day is a little larger.

Miss Ethel Guggleman has been indisposed the last few days with a very severe cold.

Wm. Ehrman of Corfu, N. Y., is cutting some extra good lupines.

Geo. J. Keller has some very nice pink and red rambler roses.

Geo. Bennett has some good spring carnations.

Visitors: Joseph Dilloff of Schloss Bros., New York; J. Stearns of Sefton Mfg. Co., Chicago. H. J. H.

New York.

A GENERAL IMPROVEMENT.

The general condition in the wholesale market continues to be very satisfactory. Prices have advanced somewhat and in some cases the supply is not sufficient for the demands. Carnations have improved considerably. Orchids have been clearing out nicely as there have been large calls for them, owing to the great number of orders for elaborate funeral work during the week. While the supply of roses has not been so great, the quotations remain about the same and as usual it seems impossible to dispose of Brides and Bridesmaids at any fair figure. The higher grades of these two varieties are carried over from day to day and finally have to be disposed of in large quantities at the same prices as are obtained for No. 1 and No. 2. American Beauties and Ulrich Brunners are selling somewhat better. Top grades of Prince de Bulgarie, Lady Hillingdon, Mrs. Jardine, Radiance, Mrs. Aaron Ward and Richmond are most in demand. There has been an extra call for white roses, especially White Killarney. Some of the choicest blooms of carnations are bringing almost double the price of ten days ago. Gardenias are over plentiful and most of them have to be disposed of to the street men. Lilies, both longiflorum and rubrum and callas, are moving slowly. Single daffodils are very plentiful. Lily of the valley is far more plentiful and is not selling as well as formerly. The supply of southern lilac, of very good quality, is rapidly increasing. Sweet peas of the best quality are in quite sufficient supply for all demands. There is a very poor sale for adiantum, but the demand for first quality smilax and asparagus is still good.

Monday Noon, May 6.—Weather stormy, the supply shortening up. The demand very fair with prices having a downward tendency.

NOTES.

A very unfortunate accident occurred in Twenty-eighth street on Wednesday. The Kervan Co. had been excavating in the rear of their store for the purpose of erecting a four-story addition. This property adjoins the new quarters of the Pennock-Meehan Co., at 117 West Twenty-eighth street. Through the carelessness of some one, the Pennock-Meehan building was not properly shored up and the result was that all of the rear end of this store toppled over into the excavation made in the rear of the Kervan building. This is now known in the "street" as the "landslide." Fortunately no one was injured and the business of both firms was not interrupted.

Owing to the unfortunate disaster to the steamship Titanic, the party going to Europe to visit the International Exposition has been greatly scattered. Several will sail next week on the steamship Philadelphia. Charles H. Totty, chairman of the National Flower Show, and Harry A. Bunyard, secretary of the National Sweet Pea Society, will sail on the Kronprinzessin Cecelie May 14. John Evans, director of the S. A. F., leaves on the Lusitania. Richard Vincent, Jr., president of the S. A. F., and Mrs. Vincent will join the party going on the Philadelphia.

The next meeting of the New York Florists' Club will be very interesting. There will be an exhibition of spring plants in honor of the memory of the late John Birnie. For years Mr. Birnie took great pleasure in making this spring exhibition one of the special features of the May meeting. Philip Mindil, 1547 Broadway, will deliver an address on "What Happened to Flowers in 1913."

The business of the Growers' Cut Flower Co. has grown to great propor-

IMPORTERS

HENRY M. ROBINSON & CO.

Wholesale Commission Florists and Florists' Supplies

46 West 26th Street, - NEW YORK

A large stock of Bay Trees, Boxwoods, Rhododendrons, Azaleas, Roses, Evergreens, Climbing, Vines, etc., on sale at our new William Street Show and Salesroom. Inspection invited.

P. H. GOODSSELL W. E. MAYNARD**200 Broadway, NEW YORK CITY****Manager Sales Department
157-159 William St. (Basement)**

tions, and the genial manager, J. J. Coan, to whom much of the success of this concern is due, feels the need of additional space very much. Just at present the carnations, sweet peas and lilies received here are of the very best quality.

John S. Nicholas has commenced the razing of his buildings, 105-109 West Twenty-eighth street. When the new buildings are completed they will be well equipped for the wholesale cut flower business, and it is reported that several prominent wholesalers are negotiating for leases for a long term of years.

The friends of Treasurer W. F. Kasting of the S. A. F. in this city, and they are legion, were shocked at the announcement of the death of Mrs. Kasting on Saturday. Several attended the funeral from New York.

James Coyle, late with H. E. Froment, has opened a wholesale department in the store occupied by J. J. Fellouris, 116 West Twenty-eighth street. John J. Perkins will also take space in the same store.

P. J. Smith is receiving fine sweet peas from H. Maybie, Maywood, N. J., and Mr. Smith is now receiving the entire output from the Hinode Greenhouses of Whitestone, L. I., of which C. W. Scott is manager.

Miss Alwine Asmus, sister of the late Ernst and Rudolph Asmus, Bogota, N. J., who conducted a florist store at 740 Washington street, Hoboken, N. J., for a very long time, died on Friday, April 3, age 74 years.

Mrs. A. M. Henshaw has so far recovered from her operation for appendicitis that she has gone for an extended visit to her parents in Pittsburg, where she will remain until completely recovered.

Wadley & Smythe had the family order for the funeral of the late Col. John Jacob Astor, in which thousands of lily of the valley and over two thousand cattleyas were used.

V. Zuber & Sons, Woodside, L. I., are now consigning part of their large shipments of Ulrich Brunner roses to Badgley, Reidel & Meyer.

Harry A. Bunyard has returned from his recent visit to Boston, which was taken in the interest of the National Sweet Pea Society.

From all accounts there will be an extra call for carnations for Mothers' day, especially the white varieties.

Robert E. Berry has resigned as superintendent of "Osocozy Farm," Great Neck, Long Island.

Visitors: Arthur Zirkman, of M. Rice & Co., Philadelphia, and Charles E. Meehan, Philadelphia. Y.

Albany, N. Y.

Insects that give trouble to the florist was the subject of an interesting and instructive address by Dr. E. P. Felt, state entomologist, at the May meeting of the Albany Florists' Club. Dr. Felt was introduced by Frederick Goldring, president pro tem., after

EXPORTERS

which he began by calling attention to the fact that the florist is a little better situated than the fruit grower because he has conditions under control under glass. Prevention, he believed, was the best remedy. He advised those before him to start a greenhouse with clean stock and to be sure that no insect eggs or grubs were in the soil brought in for the beds. With a good beginning the battle is more than half won and persistent and regular attacks by spraying will keep the stock thrifty. Dr. Felt said the florist can learn many things about spraying from the orchardist. The best nozzle, he said, is the so-called "cyclone type," which diverts the spray upward with force against the under side of the leaves. The speaker emphasized the last portion of the above sentence and illustrated it by remarking that water alone applied with force through a rather coarse "cyclone" nozzle will be sufficient to combat almost 90 per cent of the greenhouse pests. Dr. Felt favored the standard insecticides such as whale oil soap and kerosene emulsion, fir tree oil and Ivory soap solution, and some forms of powders. He said that a number of the specialties are good but did not advise the general use of potassium cyanide fumes as they are likely to be harmful, especially in houses with a miscellaneous collection of plants. Dr. Felt described a large number of injurious insects and explained the kinds of mealy bugs and the differences between the several varieties of scale. In combating many of these, he said, the important thing is to bring the insecticide into contact with the body of the insect, spraying frequently and regularly to bring about elimination. That the entomologist has a large problem on his hands the speaker showed by a few figures. To date 50,000 insects have been noted and described in this country. Of the number the state of New York has about 20,000. Each insect during its life passes through four different stages. The entomologist who would be familiar with those in New York must have knowledge of 80,000 forms. Some of these are so unusual that they have to be learned by close application and committed to memory—all of which is more than a task for a lifetime. An interesting discussion followed the address. A rising vote of thanks was given to Prof. Felt and he was unanimously elected an honorary member of the club. Two proposals for membership were received to be acted upon at the June meeting. The members voted to affiliate with the state society organized in February at Ithaca and the secretary was instructed to complete the arrangements.

Members and directors of the American Forestry association on May 3 inspected the state tree nurseries at Lake Clear. Among the party were Governor Robert P. Bass, New Hampshire, president of the association, and C. S. Pettis, state superintendent of forests. R. D.

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We have had a few days of ideal weather and stock arriving on the market shows a vast improvement, especially in this true of Killarney roses, which show excellent color and good size. Mrs. Aaron Ward are in good demand, the quantity received not being near enough to go around. Carnations have been short in supply, with a slight rise in price. Sweet peas are arriving in quantity but clean up early in the day. Daffodils and tulips are arriving in large quantities, and in the absence of carnations meet with a good demand. Callas and Easter lilies move slowly. Greens of all kinds are plentiful and in good demand. Mothers' day orders for carnations are arriving by mail, telegraph and telephone, and unless ideal conditions prevail up to Saturday the problem of filling orders will be a puzzler. Pansies are in good demand and stock is of good quality. Roses of all kinds and grades cleaned up on Saturday, the demand being far above the average.

NOTES.

The florists of this city are talking of going to the convention in their automobiles. There will be about a dozen machines if arrangements can be made.

Ed. Wilhelmy reports business at his three stores as very good, and it keeps him busy buying for them.

The Cleveland Florists' Exchange has added a "Cadillac" to their service. C. F. B.

MERIDEN, CONN.—The increase in the Easter trade was about fifty per cent, writes The Batchley Co., with prices about the same and a plentiful supply of plants and cut flowers, with the exception of violets and sweet peas. Azaleas and lilies were the best sellers in plants and genistas and ferns the poorest. There was a large sale of violets and sweet peas. We had an unusual amount of competition, two outside florists opening stores and the department stores sold plants and cut flowers at about one-half prices, but they were of very poor quality.



FANCY FERNS, \$2.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
 Sphagnum Moss, large bales.....\$2.50
 Lencothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
 Boxwood.....per pound 20c; 50-pound case, \$7.50
 Magnolia Leaves, Imported Green and Bronze, Basket, \$2.25; 6 baskets, \$2 each
 Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

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All phone connections.

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Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,
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Live Spagnum Moss

Finest quality for mixing with peat or for top dressing.

THE C. W. BROWNELL CO.,
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BOULDER, COLO.—The weather conditions were ideal and the Easter trade was about twenty per cent larger than last year, states C. F. Fawcett. Prices were about the same and there was a good supply of stock, but more rambler roses and tulips in pots and roses, violets and lily of the valley could have been sold. Spræas, tulips and azaleas were in good demand and all sold. Violets, roses and lily of the valley were the flowers most called for. Carnations were a glut and no one seemed to want them. A card, with cultural instructions fastened to each plant saved much time in preventing telephone messages in regard to their treatment.

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FROM MONTREAL, Ionian, Allan.

May 12.
May 13.
Madonna, Fabre, 3 p. m., Brooklyn Dock.

May 14.
Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kronprinzessin Cecelle, No. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM BOSTON, Franconia, Cunard, East Boston Dock.

FROM PHILADELPHIA, Graf Waldersee, Ham.-Amer., 11 a. m., Pier 53.

May 15.
Campania, Cunard, Piers 54 and 56, North River.
Hamburg, Ham.-Amer., 9 a. m., Hoboken Pier.
FROM BALTIMORE, Cbennitz, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

May 16.
Ivernia, Cunard, Piers 54 and 56, North River.
Cedric, White Star, 12 noon, Piers 59 and 60, North River.

La Savoie, French, 10 a. m., Pier 57, North River.
Amerika, Ham.-Amer., 9 a. m., Hoboken Pier.

May 17.
FROM QUEBEC, Empress of Ireland, Can. Pac., daybreak.

May 18.
Carmania, Cunard, Piers 54 and 56, North River.
Oceanic, White Star, 12 noon, Piers 59 and 60, North River.

Philadelphia, Amer., 9:30 a. m., Pier 62, North River.

California, Anchor, 10 a. m., Pier 64, North River.

Italia, Anchor, Pier 64, North River.
Caroline, French, 3 p. m., Pier 84, North River.
Lanland, Red Star, 10 a. m., Pier 61, North River.

George Washington, No. Ger. Lloyd, 10 a. m., Hoboken Pier.

President Grant, Ham.-Amer., 10 a. m., Hoboken Pier.

Canada, Fabre, 3 p. m., Brooklyn Dock.
FROM BOSTON, Cretic, White Star, 11 a. m., Charlestown Dock.

FROM PHILADELPHIA, Merion, Amer., 10 a. m., Pier 54.

FROM MONTREAL, Ascania, Cunard.
FROM MONTREAL, Teutonic, White Star-Dom., daylight.

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ALL AT \$15.00 PER 1000; \$1.75 PER 100.

RED FLOWERING, GREEN FOLIAGE CANNAS.
 ALICE ROOSEVELT, 4 ft. BLACK PRINCE, 3 to 4 ft.
 PRES. MEYER, 4 ft.

RED, GOLD-EDGED, SPOTTED AND YELLOW CANNAS.
 EVOLUTION, 5 ft. QUEEN CHARLOTTE, 3½ ft.
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ORANGE SHADES.
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PINK FLOWERING CANNAS.
 LOUISE, 5 ft. MILLE. BERAT, 4½ ft.
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BRONZE-LEAVED, RED FLOWERING CANNAS.
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YELLOW SHADES.
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TUBEROUS-ROOTED BEGONIAS.
Single-Flowering Tuberosus-Rooted.
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Duke Zeppelin—Intense pure vermilion-scarlet	Doz.	100
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AMERICA. This beautiful new Gladiolus has produced us great a sensation as the now famous Princeps. The flowers, which are of immense size, are of the most beautiful flesh-pink color, and, as a florist who saw it said, it is "fine enough for a bride's bouquet." \$3.75 per 100, \$35.00 per 1000.

Branchleyensis (true). Fiery scarlet. 100 1000
 Top roots, 2 and 2½ in. \$ 2.00 \$18.00
 First size bulbs, 1½ to 2 in. 1.50 14.00
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First quality, mixed. 2.25 20.00

Good quality, mixed. 1.50 14.00

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This popular flowering plant is coming into greater vogue than ever, not only as a pot plant for house decoration, but also for cut flower purposes. Our strains of Gloxinias are the true erect-flowering type, grown by a specialist in Europe.

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Boddington's Spotted Varieties—These contain the most distinct and remarkable colors	3.25 30.00
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Double to Color.

White Varieties	Doz.	100
Pink Varieties	\$1.25	\$10.00
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Red Varieties	1.00	7.50
Case containing 67 Double White, 66 Double Red, 67 Double Pink Paeonius, very strong roots, 3 to 5 eyes, 200 in all, \$20.00 per case, 3 cases for \$55.00.		
We offer a choice collection of Paeonia Chinensis in 20 varieties, strong roots, 10 cts. each, \$1.00 per doz., \$7.50 per 100.		

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BULBS measuring 6 to 8 in. in circum., 200 in a case, \$1.25 per 100, \$12.00 per 1000.
BULBS measuring 8 to 10 in. in circum., 100 in a case, \$2.25 per 100, \$20.00 per 1000.
BULBS measuring 10 to 12 in. in circum., 75 in a case, \$4.50 per 100; \$40.00 per 1000.
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MONSTER BULBS measuring 13 in. and upward in circum., 25 in a case, \$1.25 per doz., \$9.00 per 100.
FULL CASES AT 1000 RATE.

ARTHUR T. BODDINGTON, Seedsman,

MISCELLANEOUS BULBS, &C.

LYCORIS SQUAMIGERA, OR AMARYLLIS HALLII.

(The Magle Lily of Japan.) A perfectly hardy Amaryllis, producing beautiful pink flowers.

Lycoris squamigera produces in early Spring foliage which grows until July, when it ripens off and disappears.

As the bulb is perfectly hardy without any protection, it can be planted either in the fall or spring.

Strong blooming bulbs, 10 cts. each, \$1.00 per doz., \$6.50 per 100.

CALLAS—SPOTTED LEAF.

(Alchardia Albo-Maculata.) Very free summer-blooming variety, \$2.25 per 100, \$20.00 per 1000.

CALLA ELLIOTTIANA.

This is the great new Yellow Calla of marvelous beauty. Flowers are large, rich dark golden yellow.

MONTRETIIAS.

Table with 2 columns: Name and Price. Includes Crocosmaeflora, Etoile de Feu, Rayon d'Or, Pottsi grandiflora, and Solet Couchant.

HYACINTHUS CANDICANS.

(Cape Hyacinth.) Large bulbs, \$1.50 per 100, \$12.00 per 1000.

THE GREAT ISMENE.

Those who are familiar with the true Giant Ismene cannot say enough in praise of its beauty and purity.

TUBEROSES.

Table with 2 columns: Name and Price. Includes Double Pearl and Mexican Everblooming.

SPIRAEA Gladstone (cold storage), \$1.25 per 12, \$9.00 per 100.

SPIRAEA palmata rosa—The beautiful deep pink hardy Spiraea. \$1.00 per doz., \$7.50 per 100.

SPIRAEA Arvensis—The grand hardy white Spiraea. 4 to 5 feet. \$1.00 per doz., \$7.50 per 100.

IRIS PALLIDA DALMATICA.

This is the grandest variety of all the German Iris. Color deep, clear lavender, very large, flowers sweet-scented.

Most attractive in the shrubbery; also extensively forced on account of the brilliancy of colors.

AZALEA MOLLIS.

Two-year-old, 3 to 4 feet, 3 to 4 branches. Bushy \$1.50 per doz., \$12.00 per 100.

HYDRANGEA PANICULATA GRANDIFLORA.

Two-year-old, 3 to 4 feet, 3 to 4 branches. Bushy \$1.50 per doz., \$12.00 per 100.

BODDINGTON'S QUALITY ROSES

HARDY HYBRID PERPETUAL ROSES—We offer extra strong forcing two-year-old dormant, low budded stock, in the following varieties, true to name.

Price, 75c for 5 (of one variety); \$15.00 per 100; \$140.00 per 1000; (immediate delivery.)

- ALFRED COLOMB—Carmine-crimson; a grand rose. BARONESS ROTHSCHILD—An exquisite shade of satiny pink. CAPT. CHRISTY—Flesh color, deepening to center.

- LA FRANCE—Peach-blossom pink. MAGNA CHARTA—Dark pink, one of the easiest roses to grow. MME. GABRIEL LUIZET—Light, satiny pink.

HYBRID TEA, OR EVERBLOOMING ROSES

Hybrid Tea or Everblooming Roses are becoming more popular every year; while not so hardy as the perpetuals, with slight protection in winter they carry over in splendid shape and give a wealth of bloom all through the summer months and late in the fall till frost checks them.

Table with 2 columns: Name and Price. Includes AVOCA, KAISERIN AUGUSTA VICTORIA, KILLARNEY, ETOILE DE FRANCE, BESSIE BROWN, GRUSS AN TEPLITZ, RICHMOND, MADAM ABEL CHATENAY, MILDRED GRANT, CAROLINE TESTOUT.

Table with 2 columns: Name and Price. Includes AMERICAN BEAUTY, LIBERTY, MOLLY SHARMAN-CRAWFORD, VISCOUNTESS FOLKESTONE, WILLIAM SHEAN.

Baby Rambler Roses.

BABY DOROTHY—The same in habit as Baby Rambler, but the color of the flower is similar to Dorothy Perkins. "Baby Dorothy," when planted out, flowers per-bundle of 5, \$14.00 per 100.

2 West 14th Street, NEW YORK CITY.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Detroit, Mich.

John Breitmeyer's Sons
Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members of Florists' Telegraph Delivery. *Mention the American Florist when writing*



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D. C.

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Members Florists' Telegraph Delivery. *Mention the American Florist when writing*

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Samuel Murray,
913 Grand Avenue.
All Orders Given Prompt and Careful Attention
Member of the Florists' Telegraph Delivery.
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Mrs. J. B. Freeman
(Successor to Geo. A. Heint)
336 Superior St., Toledo, O.
Both Phones, 527.

Special attention to Mail and Telegraph Orders. *Mention the American Florist when writing*

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FLORISTS
..... 241 Massachusetts Ave.
Members of the Florists' Telegraph Delivery.

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The Park Floral Co.
J. A. VALENTINE, President.
Members Florists' Telegraph Delivery.
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FLOWER COLORS

Use our Color Chart in describing them.
PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.
440 South Dearborn Street, CHICAGO

Max Schling

NEW YORK
No. 22 West 59th Street
Adjoining Plaza Hotel

Boston, Mass.



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Members of Florists' Telegraph Delivery Ass'n.
37-43 BROMFIELD STREET.

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- Alpha Floral Co., Des Moines, Ia.
- Anderson Floral Co., Anderson, S. C.
- Anderson, S. A., 440 Main, Buffalo, N. Y.
- Atlanta Floral Co., Atlanta, Ga.
- Baer, Julius, 138 E. 4th St., Cincinnati.
- Bertermann Bros. Co., Indianapolis, Ind.
- Boland, J. B., San Francisco.
- Bowe, M. A., New York.
- Breitmeyer's Sons, John, Detroit, Mich.
- Buckbee, H. W., Rockford, Ill.
- Clark's Sons, D., New York.
- Cleveland Cut Flower Co., Cleveland, O.
- Cooke, Geo. H., Conn. Ave. and L, Washington.
- Crump, Frank, Colorado Springs, Colo.
- Daniels & Fisher, Denver, Colo.
- Dard's, 44th and Madison Ave., New York.
- Duerr, Chas. A., Newark, O.
- Dunlop's, 96 Yonge St., Toronto, Can.
- Eyres, 11 N. Pearl St., Albany, N. Y.
- Freeman, Mrs. J. D., Toledo, O.
- Galvin, Theo. F., Boston.
- Gasser, J. M., Co., Cleveland, O.
- Geay Bros., Nashville, Tenn.
- Grand Rapids Floral Co., Grand Rapids, Mich.
- Gude Bros., Washington.
- Habermann, Charles, New York.
- Hatcher, Florist, Amsterdam, N. Y.
- Hatcher, Florist, Schenectady, N. Y.
- Heint & Son, J. G., Terre Haute, Ind.
- Hess & Swoboda, Omaha, Neb.
- Hoffman, 59 Mass. Ave., Boston.
- Holm & Olson, St. Paul, Minn.
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- Keller Sons, J. B., Rochester, N. Y.
- Kellogg F. & P. Co., Geo. M., Kansas City.
- Kirt, Robert, 1725 Chestnut, Philadelphia.
- La Crosse Floral Co., La Crosse, Wis.
- Lange, A., 25 E. Madison St., Chicago.
- Mangel, 17 E. Monroe St., Chicago.
- Masur, S., Brooklyn, N. Y.
- Matthews, 16 3rd St., Dayton, O.
- May & Co., L. L., St. Paul, Minn.
- McConnell, Alex, New York.
- McKenzie, Montreal, Can.
- Murray, Samuel, Kansas City, Mo.
- Myer, Florist, New York.
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- Park Floral Co., The, Denver, Colo.
- Penn, The Florist, 43 Bromfield St., Boston.
- Podesta & Baldocchi, San Francisco.
- Pollworth Co., C. C., Milwaukee.
- Reimera, M. D., 223 S. 4th Ave., Louisville, Ky.
- Rock Flower Co., Wm. L., Kansas City.
- Saakes, O. C., Los Angeles, Calif.
- Saltford Flower Shop, Poughkeepsie, N. Y.
- Schiller The Florist, 2221 W. Madison St., Chicago.
- Schling, Max, 22 W. 59th St., New York.
- Schnitz, Jacob, Louisville, Ky.
- Shaffer, Geo. C., Washington.
- Smith Co., A. W., Pittsburg, Pa.
- Smith, Henry, Grand Rapids, Mich.
- Texas Seed and Floral Co., Dallas, Tex.
- Valentine, Frank, 153 E. 110th St., New York.
- Walker & Co., Louisville, Ky.
- Weber, F. H., St. Louis, Mo.
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- Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
- Witthold, 56 E. Randolph St., Chicago.
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New York.

Established 1874.

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and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

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20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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WILLIAM L. ROCK Flower Co.

Will execute orders for any town in

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304 Main Street.

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John G. Heint & Son,

129 South Seventh St.

Telephone 247
We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

Louisville, Ky.

JACOB SCHULZ,

Members Florists' Telegraph Delivery.
550 So. Fourth Avenue.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M. A. Bowe

IN THE HEART OF NEW YORK CITY.

Phone 6404 Madison Sq. 12 West 33d St

Our Motto—THE GOLDEN RULE.

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America,
Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHEROrder by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

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THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

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Send flower orders for delivery in

**Boston and all
New England Points**To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.**City Index to Retail Florists
Filling Telegraph Orders.**

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Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Fenn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
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Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph St.
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Cleveland, O.—The J. M. Gasser Co.
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Newark, Ohio—Chas. A. Duerr.
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New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Hahsrmann.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
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St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heini & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 69 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flower's

SAN FRANCISCO**Podesta & Baldocchi**

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

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Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of
 GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822
 Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
 Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,

The Arcade Florist,

Greenhouses
 Graoville' O., Phone 26. Auto. Phone 1840
 Member of Florists' Telegraph Delivery.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Mention the American Florist when writing

Seattle, Wash.

L. W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Mention the American Florist when writing

Rockford, Ill.

H. W. Buckbee

Colorado Springs, Colo.

Mention the American Florist when writing

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Budding Knife Free

SEE PAGE 892.

Schenectady, N. Y. Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

BATCHER, Florist, Amsterdam, N. Y.

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St. TELEPHONES 1501 and L 1582

Baltimore.

FLOWERS FOR MOTHERS' DAY.

Business is still fair, there are no big rush orders, but a good steady trade and no great quantity of flowers are left over at the end of the day. The only flower we noticed in quantity was the carnation and the best of these were being sold. Let us say right here that white carnations are going to bring a price for Mothers' day. We quote from one who buys and sells extensively: "Why should we stick to the custom of the white carnation being the only flower used to decorate the mother's grave or to present to the mother on that day? Possibly the white carnation was not our mother's favorite flower, it may have been a glowing rose, a bunch of lily of the valley, a cluster of violets, a lily or the modest daisy, but just to follow a custom established every one must purchase or try to purchase white carnations. With the price way up—how are the poor, who think just as much of their mothers as the wealthy, to purchase this flower? We think the florists should get together and try to change the custom and let it be a more universal flower giving on that day." The retail stores have had plenty of orders, weddings, funerals and other affairs.

NOTES.

The Florists' Exchange is having a good steady trade. J. J. Perry, the manager, took a trip to Philadelphia this week. He went by boat and enjoyed it very much. This is the season to take that trip by water. Mr. Perry speaks well of the Princeton rose and thinks it will prove to be a good seller, being of a very pleasing shade of pink a little deeper than the Killarney, and it holds up well after cutting.

S. Feast & Sons, Charles street, had the bulk of the funeral work for the funeral of the late Ross Winans, a millionaire of this city, connected with a fine old family, but owing to ill health had lived very quietly for several years. Violets, his favorite flower, were used in abundance, and lily of the valley, these two leading, though roses and other flowers were used.

We have been in the hands of the politicians this week—Woodrow Wilson leading, with the two "T's" close at his heels. Crowds of people, with bands playing and speeches have been the order of things. Who says Baltimore is slow?

F. Baur has been cutting some very fine outdoor lily of the valley which has found ready sale. B.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1338, Camb. Main 1338 A.

.....634 Fourth Avenue.

Mention the American Florist when writing

New York:

CHARLES HABERMANN

2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

Mention the American Florist when writing

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

Mention the American Florist when writing

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Mention the American Florist when writing

Nashville, Tenn.

Geny Bros. FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

Mention the American Florist when writing

New York.

MYER, FLORIST, 609-611 Madison Ave.
 Phone 5297 Plaza.

Mention the American Florist when writing

WITTBOLD'S

New Display Rooms, 56 E. Randolph Street

CHICAGO

Flowers Palms Decorations

Rented or Sold

Phones:—Randolph 4708. Nursery, Rogers Park 227; Evanston 829; Wilmette 658

La Crosse, Wis.

LA CROSSE FLORALCO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Spring Is Here! Stock Up!

Those who ordered last year won't need any urging to buy again. This advertisement is for the other fellow. Now is a good time to learn what Vaughan Quality is. Early orders will receive first attention.



Standard Bay Tree.

BAY TREES BOX TREES

Due to arrive May 1st to 15th.
Prices include tubs.

Standard or Tree Shaped.

Stems	Crowns	Each	Pair
30 in.	24 in.	\$ 7 00	\$18 00
45 in.	26 in.	7 50	14 00
45 in.	28 in.	8 00	15 00
45 in.	30 in.	10 00	18 00
48 in.	34 in.	12 00	22 00
48 in.	40 in.	15 00	28 00

Dwarf Standards.

Stems	Crowns	Each	Pair
30 in.	24 in.	\$ 7 00	\$13 00
18 in.	24 in.	7 00	13 00
12 in.	30 in.	7 50	14 00

Pyramid Shaped.

Diameter at Base	Each	Pair
5 ft. high, 24 in.	\$ 8 00	\$15 00
6 ft. high, 26 in.	10 00	18 00

Ampelopsis Veltchii.

(Japan or Boston Ivy.)

	Each	Doz.	100
2-year-old plants...	\$0 15	\$1 75	\$12 00
3-year-old plants...	20	2 00	15 00

Prices include green tubs.
10 per cent discount if wanted out of tubs.

Standard or Tree Shaped.

18-26 in. stem, 18 in. crown.	\$3 00	\$5 50
18-26 in. stem, 24 in. crown.	4 50	8 00

Pyramid Shaped.

	Each	Pair
2½ ft. high.....	\$2 00	\$ 3 75
3 ft. high.....	2 50	4 50
3½ ft. high.....	3 00	5 50
4 ft. high.....	4 00	7 50
5½ ft. high.....	7 50	14 00

Globe Shaped.

15 in. high, 15 in. in diam.	\$2 25	4 00
18 in. high, 18 in. in diam.	2 75	5 00

Bush Shaped.

Prices do not include tubs.

	Each	Doz.	100
12 in.....	\$0 35	\$ 8 60	\$25 00
18 in.....	60	6 50	
20 in.....	75	8 00	
24 in.....	1 00	10 00	
30 in.....	2 50	per pair \$4 50	
36 in.....	3 50	per pair 6 00	

Clematis Paniculata.

	Each	Doz.	100
2-year-old clumps...	\$0 15	\$1 50	\$10 00
3-year-old clumps...	20	2 00	15 00
4-year-old clumps...	35	3 60	25 00



Pyramidal Box Tree.

NEW ROSES FOR 1912

Double White Killarney—(Budlong)

The most valuable White Forcing Rose ever offered,

and Killarney Queen—(Budlong)

A cerise pink sport of Killarney.

Own roots.....	each, 75c; doz., \$6.00; 100, \$25.00; 1000, \$200.00
Grafted.....	each, 75c; doz., 7.50; 100, 30.00; 1000, 250.00

Lady Hillingdon.

An excellent forcing variety of a deep coppery yellow.

Own roots.....	each, 40c; doz., \$3.00; 100, \$20.00; 1000, \$150.00
Grafted.....	each, 40c; doz., 4.00; 100, 25.00; 1000, 200.00

Sunburst.

An intense shade of golden yellow. Own roots...each, 50c doz.. \$5.00

STANDARD SORTS

	Own Roots			Grafted				Own Roots			Grafted		
	Dozen	100	1000	Dozen	100	1000		Dozen	100	1000	Dozen	100	1000
Killarney.....	.85	6.00	55.00	\$2.00	15.00	140.00	Mrs. Aaron Ward.....	\$1.50	10.00	95.00	3.00	20.00	190.00
Double Pink..	2.50	12.00	110.00	3.00	20.00	190.00	My Maryland.....				2.00	15.00	140.00
White.....	1.00	7.00	65.00	2.00	15.00	140.00	and many other kinds too numerous to mention				Ask for prices.		

Place your order now and we will ship when you are ready.

ASK FOR OUR SPRING BOOK FOR FLORISTS.

Vaughan's Seed Store, 31 W. Randolph St., CHICAGO. 25 Barclay St., NEW YORK.

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

GLADIOLI

Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Brenchleyensis, Etc. Lilies, Summer Flowering Bulbs and Hardy Plants.

E. S. MILLER, Wading River, N. Y.

Sweet Williams

Field Clumps, \$3.00 per 100; \$25.00 per 1000. Smaller plants that will bloom this season, 50 cents per 100; \$3.50 per 1000. Hardy Pinks, field clumps, \$2.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

ROSES LAST CALL

We Need The Space

Bench Beauty Plants.....	\$5.00 per 100; \$40.00 per 1000
A nice lot of 2½-in. My Maryland.....	4.00 per 100; 35.00 per 1000
2½-in. Pink Killarney.....	4.00 per 100; 35.00 per 1000
2½-in. White Killarney.....	4.00 per 100; 35.00 per 1000
2½-in. Mrs. Taft as Prince de Bulgarie.....	6.00 per 100; 60.00 per 1000

J. A BUDLONG, 82-86 E. Randolph St., Chicago

Mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Durvea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

THE demand for late seed potatoes continues good.

HENRY NUNGESSER, New York, is expected to return from Europe this week.

CHAS. D. BOYLES, of the Albert Dickenson Co., Chicago, was at Asheville, N. C., this week.

JEROME B. RICE and party, including Mrs. Rice and Jerome B. Rice, Jr., and wife, spent a few days in Chicago last week, leaving for home by way of Detroit May 4.

HOLLISTER, CALIF., May 2.—Crops are greatly improved by the recent rains but we think there is not sufficient moisture in the soil to make a good crop of seeds.—W.

VISITED CHICAGO: C. C. Massie, of Northrup, King & Co., Minneapolis, Minn.; Jerome B. Rice and party, Cambridge, N. Y.; Kirby B. White, of D. M. Ferry & Co., Detroit, Mich.

GROWERS, of cantaloupes in the Imperial Valley, California, estimate this season's production at 50,000,000 melons. Approximately 5,500 acres have been planted this spring, the yield, under normal conditions, being computed at 50,000,000 melons, about 1,000,000 crates.

PEDRICKTOWN, N. J.—George R. Pedrick & Son are now rushed with seed corn orders. Mr. and Mrs. G. R. Pedrick and daughter, Mrs. A. Detwiler, who have been spending the winter in Florida, have returned. Mr. Pedrick still continues in very poor health.

CHICAGO.—Prices on the Board of Trade, May 8, for grass seed were noted as follows: Timothy, \$7 to \$13 per 100 pounds.—Seed corn, field varieties, of high test is selling at record prices; we hear of farmers who are getting locally \$6 to \$8 per bushel.—The freight handlers' strike here is a serious handicap to the field seed business as well as to the garden seed and supply men.

Alfalfa and Clover Damage.

The damage to alfalfa and clover has been very great. There seems to be very little clover left, writes Leonard Hegnauer, professor of crop production, University of Illinois, and not very much alfalfa even where established for a number of years. There is no definite information on timothy and redtop, but the belief is that they have stood the winter very well.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

New York Seed Law.

The Wilson Seed Bill, which was introduced in the New York assembly March 7, 1912, and passed by the assembly and senate, as announced in THE AMERICAN FLORIST, issue of April 13, page 724, has been signed by Governor Dix and becomes law, to take effect July 1, 1912. This law provides for tests by count instead of weight, the latter being the manner of testing seed by the United States Department of Agriculture and state seed analysts, which will require seedsmen doing an interstate business to have two tests made, one by weight and the other by count.

but these do not cause trouble after the first year. Other foreign seeds were found in alfalfa seed but they are not liable to cause trouble. Failures in oat seedlings were found to be due to sowing oats that had been bleached with sulphur fumes.

Growing Peas on Contract.

The following statement from a firm of contract pea growers explains certain conditions worthy of notice. "We have discontinued the practice of growing field peas on contract as our experience has been very unsatisfactory. In case of a short crop and the prices on the market are higher than the contract, it is impossible, without more



JEROME B. RICE OF CAMBRIDGE, N. Y., AND PARTY AT CHICAGO, MAY 4, 1912.

Seed Tests at New York Station

DURING THE YEAR 1911.

There were received and tested for purity by the New York Experiment Station during 1911, according to the bulletin just issued, 1,015 samples of agricultural seeds, 548 of alfalfa, 253 of red clover, 98 of timothy, 86 of alsike clover, and 30 of miscellaneous plants. In the alfalfa samples, dodder occurred in 12.9 per cent, and in red clover, 4.74 per cent, which was a slightly larger percentage in each than in 1910. Large-seeded dodder occurred in twice as many samples as did the small-seeded kind. Red and alsike clover both contained more noxious seeds than in the previous year. Adulteration was found in two cases of red clover (one of which contained 35 per cent alsike clover and 60 per cent yellow trefoil), and twelve cases of alsike clover. Yellow trefoil grows readily in alsike clover fields and from observation it would indicate that several adulterations were due to the presence of yellow trefoil in the field. Many samples were altogether too small for dependable tests. Centaurea repens was found in several alfalfa seed samples—an indication that the seed was imported. Russian thistle and roquette have caused anxiety to alfalfa growers

expense than the profit involved, to prevent farmers from stealing a large proportion of the crop and selling them elsewhere, and in case the market prices are lower than contract, they will deliver their own and their neighbors' peas. The local grain elevators throughout the pea growing district encouraged the farmers in this practice, and it is more annoyance than it is worth to attempt to do anything with them."

Established 1810.

Denaffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

VICK QUALITY
SEEDS
PLANTS
BULBS

ASK FOR WHOLESALE CATALOGUE.

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

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

SURPLUS OFFER

Kentucky Blue Grass Seed.

SAMPLE	WEIGHT	PRICE
No. 19	19 Pound Test.....	\$3.35 per bu.
D	19 " " " " " " " "	3.10 " "
E	15 " " " " " " " "	3.00 " "
F	12 " " " " " " " "	2.65 " "

Freight paid to all points East of the Mississippi, shipped in original sacks, 112 pounds each.

FANCY RECLEANED ALFALFA SEED

14c POUND, F. O. B. BALTIMORE.

We are Large Wholesale Dealers in Grasses, Clovers, Field Seeds, Etc. Samples and Special Prices cheerfully given on your requirements.

J. Bolgiano & Son

Wholesale Seed Merchants

Almost 100 Years' Established Trade

MAIN OFFICE: Pratt & Light Streets,

PIER: Montgomery St. & The Harbor.

BALTIMORE, MD.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, Oklahoma

BURNETT BROS.

Importers and Growers of

Seeds, Bulbs, Plants

and Horticultural Sundries.

Telephone 2223 Cortlandt, NEW YORK

72 Cortlandt Street.

Write for our 1912 Spring Catalogue.

MANN'S

Lily of the Valley

are the finest in existence and their flowers bring the best prices on the London market For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

ROEMER'S Superb Prize PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award International Exhibition, Dusseldorf, 1905. Catalogue free on application.

FRED. ROEMER, Seed Grower, Quedlinberg, Germany

We have formed a partnership under the firm name of

Chamberlain & Gage

and have combined our collections of

Gladiolus Bulbs

which we offer to the Trade.

Orders for CUT FLOWERS are also solicited.

MONTAGUE CHAMBERLAIN · L. MERTON GAGE.

Groton, Mass., April, 1912.

BEANS, PEAS, RADISH

and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE

Write for Prices.

Write today for Special Trade List, as advance order, 1912 Fall delivery.

JAPANESE SEEDS

LARIX, Pinus, Cinnamomum, Abies, Melia, Etc.

T. AMEMIYA & CO., Growers and Importers of All Kinds of JAPANESE SEEDS and LILY BULBS.

Nurseries and Farm Yards: Kamine, Kitaadachi, Saltama, Japan.

220 Clement Street, SAN FRANCISCO, CAL.

Lily of the Valley from Cold Storage

Order Now for Decoration Day and June Weddings

Brun's Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

H. N. Brun, 3032-3042 Madison St., Chicago

J.C. Robinson Seed Co.

WATERLOO, NEBRASKA.

Rocky Ford, Colorado.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed: Sugar Flint and Field Seed Corns.

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

For Dutch Bulbs

of the highest quality, such as the English trade demands, and absolutely true to name, write to

W. J. Eldering & Son

OVERVEEN, Haarlem, Holland

Mail Address during May:

Seville Hotel, 29th & Madison Ave., New York

Special quotations on large given quantities.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon.

Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

BUDDING KNIFE FREE.

See Page 936.

—FOR— SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited

Boston, England.

Good Luck—Four-Leaved Clovers

Plant keeps well, requires little care, excellent seller, suitable for any occasion—birthday, wedding, sick room, traveler, or any event where a good luck wish is in place. Introduced in New York this Easter and taken up by the Public with great enthusiasm.

SPECIMEN PLANTS, \$24.00 per doz. SEEDLING PLANTS, \$35.00 per 100, \$6.00 per doz.

Large Plants Retail at \$5.00 each. Small Plants at \$2.00 each.

For Sale by **Julius Roehrs Co.**, Rutherford, New Jersey or **Max Schling**, 22 W. 59th St., New York City

Hill's New Crop of Tree Seeds

Tests show that the germination is unusually high. Long experience in gathering, extracting, cleaning, drying and storing enables us to supply seeds that are superior to the average. All standard varieties. Ask for what you want—write now.

The D. Hill Nursery Co., Inc.
Seed Dept., Box 602, Dundee, Ill.
Collectors and Extractors.
Import. Export.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.
Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100. \$13.00
Rubrum, 9 in.-11 in. per 100. 9.00
" Melpomene, 9 in.-11 in. per 100. 9.50
Tuberoses, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants and Growers.
114 Chambers Street, NEW YORK, N. Y.

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Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
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Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

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Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.



GLADIOLUS GLORY.

Gladiolus

Per 1000
KUNDERDI "GLORY" ... Per 100, \$7 50 \$70 00
AMERICA, 1 1/4 to 1 1/2 inch. 27 50
Mrs. Francis King, 1 1/4 to 1 1/2 inch. 17 00
Augusta, 1 1/4 to 1 1/2 inch. 16 00
Princes, The King of All Gladioli,
..... Per 100, \$10 00
Extra Fine Mixture, part named. 18 00

TUBEROSES, Dwarf Pearl
Medium, 3 4-in. \$5.00 per 1000

COLD STORAGE STOCK. Lilium Auratum

8 to 9 \$50 00 per 1000
9 to 11 80 00 per 1000

Valley Pips

Per 1000
London Market \$15 00
Premium Brand. 13 00

Vaughan's Seed Store,

CHICAGO. NEW YORK.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

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GET QUOTATIONS FROM

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SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Mention the American Florist when writing

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

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Asparagus Plumosus Plants

2 1/2-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
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GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

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Good Luck—Four-Leaved Clovers

Plant keeps well, requires little care, excellent seller, suitable for any occasion—birthday, wedding, sick room, traveler, or any event where a good luck wish is in place. Introduced in New York this Easter and taken up by the Public with great enthusiasm.

SPECIMEN PLANTS, \$24.00 per doz. SEEDLING PLANTS, \$35.00 per 100, \$6.00 per doz.

Large Plants Retail at \$5.00 each. Small Plants at \$2.00 each.

For Sale by **Julius Roehrs Co.**, Rutherford, New Jersey or **Max Schling**, 22 W. 59th St., New York City

THE NEW CARNATION

BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities.

The New "Helen" Pink A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit," Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber, Grower, LYNBROOK, Long Island, N. Y.

R. G. Wilson, Fulton St. and Greene Ave., BROOKLYN, N. Y.

Chas. H. Totty, MADISON N. Y.

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Chrysanthemums

STRICTLY FIRST-CLASS STOCK.

Amorita, Mrs. H. W. Buckbee, Major Bonnaffon. White Bonnaffon. A. J. Balfour, Comolita, Winter Cheer, Diana, Maud Dean, Dr. Enguehard, Timothy Eaton, Yellow Eaton, Helen Frick, Lillie Godfrey, Robt. Halliday, Ivory, Pink Ivory, Yellow Ivory, Mrs. W. E. Kelley, Klondike, Montrovia, Vivian Morel, Nagoya, Patty, Pacific Supreme, Clementine Touset, Lida Thomas, Venetta, Mayor Weaver, Hilda Wells, Yanoma.

From 2 1/2-in. pots, \$3.00 per 100, \$25.00 per 1000. Rooted Cuttings, \$2.50 per 100, \$17.50 per 1000.

W. H. Chadwick, Golden Chadwick, Pockett's Crimson, T. Carrington, Donatello, Dolly Dimple, Wm. Duckham, White Helen Frick, Glenview, Black Hawk, Lynwood Hall, Intensity, Mrs. O. H. Kahn, G. W. Pook, Pres. Roosevelt, Golden Wedding.

\$4.00 per 100, \$35.00 per 1000. Rooted Cuttings, \$3.00 per 100, \$22.50 per 1000.

Chadwick Improved, Merza.

\$5.00 per 100, \$40.00 per 1000.

Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000.

Not less than 25 of a kind at 100 and 250 at 1000 rate.

Those desiring less than 25 plants of a kind will be quoted on application.

No order for rooted cuttings accepted for less than 25 of a kind.

Varieties of 1911.

Smith's Advance, the earliest white.

Unaka, the best large early pink.

Chrysolora, the largest and best yellow for Oct. 15th.

Dick Witterstaetter, a fine crimson for late October.

Roman Gold, an intense yellow for early November.

Thanksgiving Queen, an extra early large reflexed white.

We have a large stock of these ready for immediate delivery, either cuttings or pot stock. Price on application.

For type, color and flowering season, refer to 1912 catalogue.

Elmer D. Smith & Co.
ADRIAN, MICH.

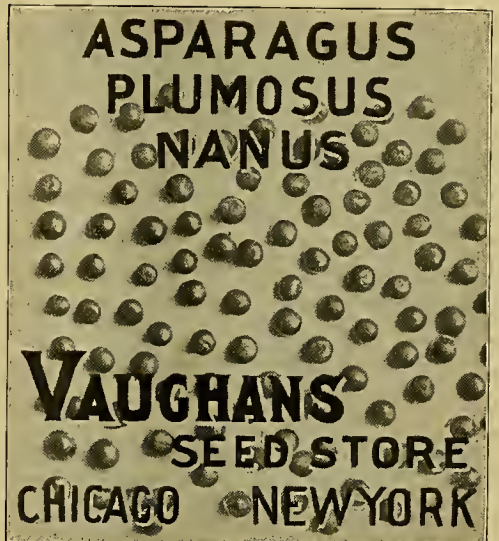
Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown.

of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$3.50; 5000 seeds at \$3.25 per 1000.

Vaughan's Seed Store,
CHICAGO. NEW YORK.



ROSE PLANTS

2 1/2-Pots.	Per 100	Per 1000
American Beauty.....	\$4.50	\$40.00
White Killarney.....	5.00	40.00
Pink Killarney.....	5.00	40.00
Maryland.....	5.00	40.00
Perle.....	4.00	30.00
Richmond.....	4.00	30.00

Bench Plants.

American Beauty.....	\$5.00	\$45.00
Pink Killarney.....	4.00	35.00
Killarney.....	4.00	35.00
Perle.....	4.00	35.00

PETER REINBERG,
30 East Randolph St., CHICAGO

Budding Knife Free.
See Page 936.

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Kuetenk Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, May 6.—Mushrooms, 30 cents to 35 cents per pound; radishes, 20 cents to 50 cents per dozen bunches; lettuce, 25 cents, small cases; cucumbers, 75 cents per dozen.

New York, May 4.—Mushrooms, 75 cents to \$1.40 per 4-pound basket; cucumbers, 50 cents to 75 cents per dozen; tomatoes, 10 cents to 20 cents per pound; lettuce, 25 cents to 75 cents per dozen; mint, 20 cents to 40 cents per dozen bunches.

Potato Disease.

A malady is beginning to attack the potato plant in Europe which is caused by an insect, *Phthorimea solanella*, and Prof. Bouvier has been studying the disease. It appears that it was unknown in France up to this time, but was noticed in America and New Zealand some years ago. The potatoes when piled in a cellar, for instance, are attacked by larvæ, which bore holes in them and spoil the potato entirely so that it cannot be used even for feeding stock. It has only appeared in the south of France at present, but did much damage in some places. It is easy to destroy the larvæ by sprinkling the cellars several times with bisulphide of carbon.—Scientific American.

Tomato Seed Oil.

The following is a translation of a French exchange article copied in one of the local newspapers, writes Consul L. J. Keena, Florence, Italy:

"A new oil which has made its appearance on the market was until recently quite unknown. The oil is extracted from tomato seeds. Especially in Italy it is possible to obtain in considerable quantities this oil, owing to the extensive cultivation of the tomato. The Province of Parma alone conserves 84,000 tons of tomatoes, the residue from which, thrown away until a short time ago, has yielded 600 tons of oil. From a chemical standard the tomato-seed oil is classed as a dry-seed oil of the type of cottonseed oil. It will find, therefore, an immediate employment in soap making and in all industries where cottonseed or similar oils are used."

In investigating this matter I have found that the oil mentioned is not known at all in the local market. The Chamber of Commerce of Parma writes that the industry is as yet in the experimental stage. From the experiments and tests which have been made they are, nevertheless, certain of the success of this new industry. This tomato-seed oil should therefore appear on the local market this coming fall, and its success there will undoubtedly be at the expense of the American cottonseed oil, a large quantity of which is annually imported from the United States.

A Good Dry-Weather Vegetable.

In all too many gardens the merits of New Zealand spinach are not appreciated, and so a valuable dry-season vegetable does not become so popular as it deserves to be. It is a first-rate substitute for spinach, and in a dry, hot season like that of 1911 it is a great success, when ordinary spinach quickly runs to flower, and is disappointing.

New Zealand spinach (*Tetragonia expansa*) is a native of New Zealand and Australia, and, though a hardy perennial, its value lies entirely in its usefulness in the summer and early autumn. In the matter of flavor New Zealand spinach compares favorably with the common form, states a writer in *The Gardeners' Magazine*; indeed, some people like it better because of the absence of bitterness. It is possible to obtain an early crop by sowing seeds in heat in March, pricking off the seedlings into boxes, and hardening them ready for planting out on a sunny site at the end of May, but such a method will be rarely necessary.

An outdoor sowing at the end of April on rich, light, well cultivated land that lies warm, will meet the demands in most cases, and the hotter the site the better. The drills for the outdoor sowing should be three feet apart, as it must be remembered that *Tetragonia expansa* is a trailing plant, and needs room to develop. Sow thinly in shallow drills, and thin the seedlings to two feet apart. Beyond hoeing, weeding, and picking the fully-developed leaves as they are ready, little attention is needed, although a few good waterings are appreciated, and result in stronger growth and more leaves.

In 1911 one of our market growing friends had several acres of New Zealand spinach, this crop following lettuces; we have never seen finer produce, and as fast as the pickers had worked right across the big field, there was plenty of leafage ready to pick at the original starting point. The crop must have been a very paying one in such a season.

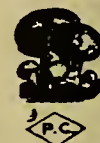
Hardening-Off Plants.

Of the greatest importance, is the proper hardening-off with any plants grown in heat under glass. Not only must they be prepared to meet lower temperatures outdoors, but very often high winds prove disastrous. This hardening is necessary for both hardy and tender subjects, for even such a hardy plant as cabbage is easily injured if moved at once from a warm hotbed to the open field. We have

found that it pays us well to use cloth in the process as it protects against cold as well as winds, yet admitting both light and air. The cloth also conserves moisture which reduces our attention, making a big saving in the busy days of spring. We use both plant-bed cloth and common cheesecloth extensively. We have both kinds tacked on 3x6 frames to take the place of sash, also have both kinds in lengths to fit our sixteen-foot frames and for large work in 200-foot lengths. These long pieces are made by sewing two three-foot widths together on a sewing machine, any length. To fasten them we drive finishing nails at close intervals into the frames and the cloth is simply pushed on these nails which makes it easily removable without damage. It is necessary to support the sag in the center which we accomplish by stretching a wire. For newly transplanted stock or seeds sown, there is nothing nicer than cheesecloth—give enough light and air and yet shade to insure safety. As before mentioned in these notes, we use cheesecloth to protect our radishes from the maggot flies; use it on outdoor leaf lettuce to produce crisp and tender stock. The future market gardening will see more intense methods—glass and frames, cloth and irrigation.

MARKETMAN.

WEST HARTFORD, CONN.—Louis L. Barton, formerly with the A. N. Pierson Inc., has established himself in business on a tract containing 23 acres and has erected one house of 300 feet and plans to build another soon.



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

Pure Culture Mushroom Spawn

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

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

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

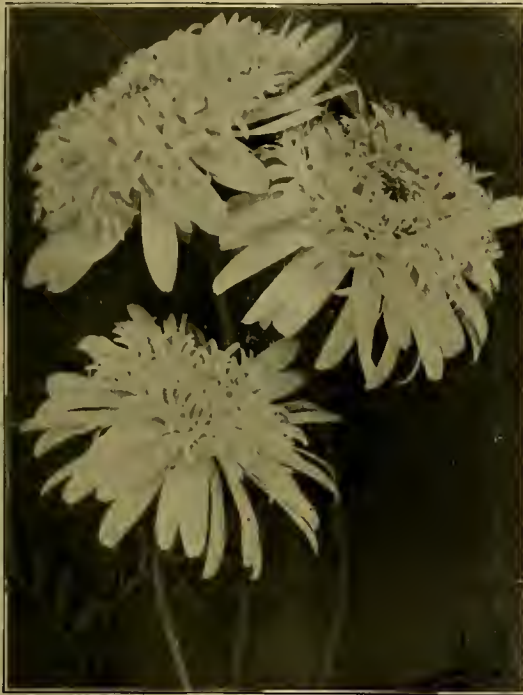
SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per 1/4 oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Dreer Specials in Hardy Perennials



PYRETHRUM HYBRIDUM FL. PL.

Anemone Japonica. Not the usual winter killed stock, pulled up from the field, which may or may not grow and flower, but 60,000 well-established plants in 3-inch pots, which if planted under conditions at all favorable will produce an abundance of flowers during the late summer and fall months which will be found valuable for cutting purposes. The varieties are the choicest now grown:

	Per doz.	Per 100
Japonica Rubra. Beautiful rosy-red.....	\$1 00	\$ 7 00
Alba. A fine large snowy-white.....	1 00	7 00
Queen Charlotte. Very large, silvery-pink.....	1 00	7 00
Rosea superba. Very delicate, silvery-rose.....	1 00	7 00
Whirlwind. Large semi-double, pure white flowers.....	1 00	7 00
Kriemhilde (new). Semi-double, rose pink.....	1 00	7 00
Loreley (new). A semi-double, bright, silvery mauve pink.....	1 50	10 00
Alice (new). Large, silvery-rose, shell-like petals suffused with fresh carmine.....	1 50	10 00
Geant Blanche. Largest single glistening white.....	1 50	10 00
Prince Henry. Large, very double, deep rich pink.....	1 50	10 00
Purpurine (new). Very large semi-double, deep purplish-rose.....	1 50	10 00

Double Flowering Hybrid Pyrethrums. We are carrying a large stock of these, not sea-sick plants, but stock which will flower freely this season, and you will make no mistake in planting these for early summer cut-flowers, for which they are invaluable, and your customers will appreciate them. We offer the following colors: **Double White, Double Pink and Double Crimson**, \$2.50 per dozen; \$20.00 per 100. We also can supply a splendid lot of **Single Flowering Seedlings** in choicest mixture from 3-inch pots, which will flower freely this season, at 85c per doz.; \$6.00 per 100; \$50.00 per 1000.

We are now distributing our **Spring Wholesale List**, which offers a complete line of **Hardy Perennials, large Roses in pots**, specially prepared for the retail trade, **Hardy Vines and Climbers, Shrubs, Decorative Stock, Boxwoods, Bay Trees, Water Lilies**—in fact, everything seasonable in **Plants, Bulbs and Seeds**. The most complete list of its kind published.

HENRY A. DREER,
714 Chestnut St., PHILADELPHIA, PA.

The above prices are intended for the Trade only.

200,000 CARNATIONS

We are rooting over 200,000 this season. Our stock of Pure White Enchantress and Enchantress is hard to beat.

	100	1000
Enchantress.....	\$3.00	\$26.00
Pure White Enchantress....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Mrs. C. W. Ward.....	3.50	30.00
Dorothy Gordon.....	3.50	30.00
White Wonder.....	6.00	50.00

250 at 1000 rates. Cash or reference.
Fine plants from soil or pots, 50c per 100 more than 100 rates named above.
Smith & Gannett, Geneva, N. Y.

Roses, Cannas, Shrubs

Ask for New Price List

THE CONARD & JONES CO.
WEST GROVE, PA.

PALMS, FERNS AND

Decorative Plants

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

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

19,000

Rose Plants. Bride, Pink Killarney and Richmond.

MAKE US AN OFFER

on the whole lot or part, and if it sounds good, they are yours. They are all fine, healthy bench plants, but must be sold at once to make room for our new rose, **Wilhelmina**. A Bargain for Some One. Grab It Now.

HOERBER BROS., Des Plaines, Ill.

Mrs. Taft **ROSES** Mrs. Taft

Mrs. Taft (Rivoire), large 2 1/4-in..... \$6.50 per 100; \$60.00 per 1000
" " " large 3-in..... 8.00 per 100; 75.00 per 1000

IMMEDIATE SHIPMENTS.

Weiland & Risch
154 N. Wabash Ave., CHICAGO

Bench Rose Plants == Grafted

Pink and White Killarney, 2-year-old stock.
\$50.00 per 1000. Now ready for shipment.

BASSETT & WASHBURN, Hinsdale, Ill.

Budding Knife Free. See Page 936.

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

BOXFORD, MASS.—Harlan P. Kelsey has purchased eighty acres of land which he will use for nursery purposes.

THE annual convention of the Ohio State Association of Cemetery Superintendents to be held, June 26-27, at Sidney and Piqua, promises to be of unusual interest. The officers of the society are, Charles Crain, Tiffin, president; Fred Sloan, Ironton, vice-president; G. C. Anderson, Sidney, secretary and treasurer.

American Association of Nurserymen.

THIRTY-SEVENTH ANNUAL CONVENTION.

The thirty-seventh annual convention of the American Association of Nurserymen, to be held at the Hotel Somerset, Boston, June 12-14, ought to be one of the best in its history, and we urge upon every nurseryman everywhere the importance to him personally of being identified with an organization that has been of incalculable benefit to the nursery business generally. The programme and entertainment features are alike exceedingly attractive. The secretary, John Hall, 204 Granite Building, Rochester, N. Y., will be glad to receive applications and information for membership. Any present member who has not yet renewed should give it his immediate attention, as the badge book is being prepared for publication.

Cherries in Arnold Arboretum.

A most interesting event is the flowering of several Japanese cherries, states the Bulletin issued by the Arnold Arboretum. The first of the Japanese cherries to flower is *Prunus Sargentii*. This is a tall tree in the native forests of the Northern Island where it is valued as a timber tree. There are six specimens covered with clusters of large pink or rose-colored single flowers, for the color of the flowers of this tree vary considerably on different individuals. The small black fruits which ripen in June are almost hidden by the large dark green leaves which in the autumn turn to shades of orange and red; the smooth, shining, reddish bark adds to the beauty of this tree. Travelers who have seen cherry blossoms in many lands declare that *Prunus Sargentii* as it now appears in the Arboretum surpasses in beauty all other cherry trees. Whether this is an exaggeration or not it is certainly a tree of first rate importance for New England; and its hardiness, rapid growth, large size, the abundance of its flowers even on small plants, and its handsome foliage make it the most valuable deciduous leaved tree we have yet obtained from Japan. The trees in the Arboretum produce large crops of seeds and these germinate readily so that there is no reason why *Prunus Sargentii* should not become a common tree if nurserymen will recognize its value and make a business of making it known to the public.

The better known *Prunus pendula* flowers a few days later. This tree is remarkable for its long, slender, pendulous branches which before the leaves expand are covered with small pink flowers. *P. pendula*, which does not appear to be common in a wild state in Japan, is often planted in Japanese gardens in which it sometimes grows to a large size. It was brought to the United States many years ago, and specimens from twenty to thirty feet high can be seen in the neighborhood of Boston. By nurserymen it has usually been propagated by grafting on tall stems of the common cherry, with the result that the trees look unnatural and are rarely long-lived. Plants produced by grafting at the ground level grow to a larger size, live longer, and when in flower look like fountains of pink mist. It has been shown at the Arboretum that the drooping habit of the branches is reproduced in seedlings, and as this cherry bears seeds freely, seedling plants will, it is to be hoped, become more common.

A plant with even more beautiful and more abundant flowers than *Prunus pendula* is *Prunus subhirtella*, or as it is now labeled in the Arboretum, *P. pendula ascendens*, a small tree, or as it has grown here a large shrub, from central Japan, and now known through Wilson's collections to occur also in western China. It is perfectly hardy and flowers freely every year. Introduced into the Arboretum twenty years ago, and from here sent to Europe, it is surprising that this handsome plant has remained so little known in gardens.

Prunus triloba is a shrub with bright clear pink flowers which are about an inch in diameter and appear before the leaves. The double flowered form of this shrub (var. *multiplex*) is a favorite garden plant in China whence forty or fifty years ago it was introduced into Europe and the United States where it is often cultivated. The much more beautiful single-flowered plant grows on the mountains near

Peking and appears to have been cultivated for the first time in the Arboretum to which seeds were sent from China in 1882. Although perfectly hardy *P. triloba* is not a particularly vigorous plant. It well deserves a place, however, in every garden for the charming color of the flowers.

ABIES:::

Pungens Glauca Kosteriana
 (Koster's Blue Spruce)

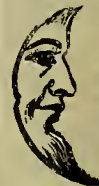
Fine Specimens, 3 to 3½ ft., \$3.50 each
W. W. Coles, Kokomo, Ind.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.



Moon's

A nursery with an enormous collection of thrifty Ornamental Trees & Shrubbery for landscape plantings. Catalogue upon request.
The Wm. H. Moon Co.,
 MORRISVILLE, PA.

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
 Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.
 Prices low. Send for list.

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 New York

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OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.

Hill's Evergreens

You ought to visit our nurseries and see us growing millions of little "baby evergreens" to understand properly what *patience* and *experience* and *special skill* it takes to do the job right.

We have all three, plus a first-class organization to take prompt care of your orders—and our prices are right. Ask for Wholesale Catalog and prices.

D. HILL NURSERY COMPANY, Inc.
 Evergreen Specialists
 Largest Growers in America
 Box 404 • Dundee, Illinois



Phoenix Canariensis balled, by the carload,
 3, 3½, 4, 4½, 5, 5½, 6 ft., at 40c, 55c, 75c, 95c, \$1.20,
 \$1.45 and \$1.75 each.

Areca Sapida potted, 2½, 3, 3½, 4, 4½,
 5, 5½, 6 ft. at \$1.00, \$1.30,
 \$1.60, \$1.90, \$2.20, \$2.50, \$2.80 and \$3.10.
 Orders in closed boxes 60% extra.

THE KENTIA NURSERIES,
 Gillespie St. & Fisher Ave., Santa Barbara, Cal.

Roses Originated by Jackson Dawson

Write for pamphlet, including prices.

EASTERN NURSERIES,
 1090 Centre St., JAMAICA PLAIN, MASS.
 H. S. DAWSON, Manager.

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

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BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Carnations

Rose Pink Enchantress, from soil, \$24.00 per 1000.

Enchantress. from soil, \$29.00 per 1000.

	R. C. per 100	1000
White Wonder	\$6 00	\$50 00
Norwood	6 00	50 00
Dorothy Gordon.....	4 00	35 00

	R. C. per 100	1000
White Enchantress.....	\$3 00	\$25 00
Enchantress	3 00	25 00
Beacon	3 00	25 00

	R. C. per 100	1000
Rose Pink Enchantress	\$2 50	\$20 00
Winsor	2 50	20 00

CHRYSANTHEMUMS

PINK.		
	R. C. per 100	1000
Gloria	\$2 50	\$20 00
Amorita	2 50	20 00
Dr. Enguehard	2 50	20 00
Pacific Supreme	2 00	15 00
Ballour	2 00	15 00

CRIMSON.		
	R. C. per 100	1000
Pockett's Crimson.....	\$2 50	\$20 00
Schrimpton	2 50	20 00
Intensity	2 00	15 00

YELLOW.		
	R. C. per 100	1000
Crocus, the best yellow..	\$4 00	\$35 00
Yellow Eaton.....	\$2 50	\$20 00
Golden Glow	2 00	15 00
Halliday.....	2 00	15 00
Maj. Bonnaffon.....	2 00	15 00

WHITE.		
	R. C. per 100	1000
White Chadwick.....	\$3 00	\$27 50
Lynwood Hall	2 50	20 00
White Eaton	2 50	20 00
Alice Byron	2 00	15 00
Touset	2 00	15 00
October Frost.....	2 00	15 00

J. D. THOMPSON CARNATION CO., Carnation Specialists. **Joliet, Ill.**

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Des Plaines Floral Co Carnations.

Des Plaines, Illinois

Mention the American Florist when writing

Bellis Daisy (Longfellow and Snowball), \$2.00 per 1000.
Verbenas, transplanted, 50c per 100.
Heliotrope, 2 in., \$2.00 per 100. R. C. \$1.00.
Alyssum Double, 2 in., \$2.00 per 100. R. C. 50c.
Moon Vine, 2 in., \$2.50 per 100.
Geraniums, Mme. Buchner, rooted, \$11.00 per 1000.
 Other sorts ready in April. 4 houses of stock plants.
Elmer Rawlings, Wholesale Grower, Olean N. Y.

Washington

EVERYONE REASONABLY BUSY.

There is little change in the condition of business from that of a week ago. All the retail stores seem to be reasonably busy, but there has been nothing on a large scale. The horse show was held last week, the Colonial Dames were in session, as well as several other visiting delegations; but few people come to Washington to buy flowers. The announcer on one of the sight-seeing wagons says he can always tell a bridal couple because they wear new shoes, which lends color to the supposition that some people come here to show their raiment. Of outdoor stock, iris and snowballs are now on the market. Although last winter was particularly severe, the outdoor flowering stock that has come in is of a good quality.

NOTES.

James Quinn is now head gardener for Joseph Leiter's new place on the Virginia side of the Potomac, near Cabin John bridge. Mr. Leiter bought 400 acres of woodland and in addition to erecting a fine residence has a large force of men employed building roads and drives. It is said that later he will erect greenhouses for vegetable growing.

Theodore Dietrich is sending to Geo. H. Cooke the finest sweet peas on the market. They are of the Spencer type and attract attention wherever seen.

Elmer Mayberry is now able to walk out a little with the aid of a cane. He was very badly hurt, but being a young man was in his favor.

A. F. F.

WATERLOO, IA.—N. H. Loomis opened a flower store May 1 on Fourth street west. The store has been newly fitted and a large refrigerator installed.

Poehlmann Brothers Company

MORTON GROVE, ILL.

Western Headquarters for Rose Plants

GRAFTED.

	Per 100	Per 1000
Mrs. Aaron Ward, 2½-in.	14 00	120 00
Melody, 2½-in.	14 00	120 00
Mrs. Taft or Prince de Bulgaric, 2½-in.	14 00	120 00
Radiance	14 00	120 00
Dbl. Pink Killarney, 3½-in.	150 00	

OWN ROOT.

	Per 100	1000
White Killarney, 2½-in.	\$6 50	\$60 00
Maryland, 2½-in.	5 50	50 00
Antoine Rivoire, Mrs. Taft, or Prince de Bulgaric, 2½-in.	8 00	70 00
Melody, 2½-in.	8 00	70 00
Mrs. Aaron Ward, 2½-in.	8 00	70 00
Dbl. Pink Killarney, 2½-in.	6 50	60 00

CHRYSANTHEMUMS.

WHITE.			YELLOW.		
	R. C. per 100	2½-in. per 1000		R. C. per 100	2½-in. per 1000
Smith's Advance.....	\$3 00	\$25 00	\$4 00	\$25 00	
October Frost.....	2 50	20 00	3 00	25 00	
Virginia Poehlmann ..	2 50	20 00	3 00	25 00	
Clementine Touset....	2 50	20 00	3 00	25 00	
Alice Byron.....	2 50	20 00	3 00	25 00	
Timothy Eaton.....	2 50	20 00	3 00	25 00	
W. H. Chadwick.....	3 00	25 00	4 00		
Golden Glow.....	2 50	20 00	3 00	25 00	
Halliday.....	2 50	20 00	3 00	25 00	
Col. Appleton.....	2 50	20 00	3 00	25 00	
Major Bonnaffon.....	2 50	20 00	3 00	25 00	
Yellow Eaton.....	2 50	20 00	3 00	25 00	
Golden Chadwick.....	3 00	27 50	4 00	35 00	
Dolly Dimple.....	2 50		3 00		

PINK.			RED.		
	R. C. per 100	R. C. per 1000		R. C. per 100	R. C. per 1000
McNiece	\$2 50	\$20 00	\$3 50	\$30 00	
Maud Dean.....	2 50	20 00	3 50	30 00	
Patte	2 50				
Dr. Enguehard.....	2 50	20 00	3 50	30 00	
Schrimpton	3 00	25 00	3 00	25 00	
Intensity	2 50	20 00	3 00	25 00	

POMPONS.

Large Assortment of Best Commercial Varieties only.

R. C.	\$3 00 per 100
2½ in.....	\$4 00 per 100; \$35 00 per 1000

Orders are now booked for April, May, June and July delivery. All goods are sold for cash or 30 days on approved credit.

Mention the American Florist when writing

CHRYSANTHEMUMS

Strong plants, 2¼ in. pots, ready now or will make deliveries later. Glen Cove, Unaka, Mrs. David Symes, Witterstatter, Roman Gold, \$7.00 per 100. Smith's Advance, \$4.00. Chadwick Supreme, \$3.00. Chrysolora, \$10.00 per 100. Golden Glow, Crocus, Yellow Jones, Dr. Enguehard, Major Bonnaffon, Jerome Jones, White Bonnaffon, Clementine Touset, Amorita, Charles Razer, White Eaton, White Chadwick, Late Yellow, Late Pink, Virginia Poehlmann, Golden Chadwick, \$2.50 per 100, \$22.50 per 1000. Will exchange for Asparagus, Sprenger, Boston or Scotti Ferns.

ELI CROSS, 25 Monroe St., Grand Rapids, Mich.
 Mention the American Florist when writing

CARNATIONS

F. DORNER & SONS CO.,
 LA FAYETTE - - INDIANA.

Mention the American Florist when writing

Money Makers AND Money Savers

Big, Healthy and Clean Stock.
Coleus, from 2¼ and 2½-in. pots, \$20.00 per 1000, in the following varieties: Golden Bedder, Verschaffeltii, Bicolor, Parquet, Her Majesty, Red Bedder.
Dracaena Indivisa, 5-in. fine stock, \$15.00 per 100; 4-in. fine stock, \$10.00 per 100.
Geraniums, Double White, from 2½-in. pots, \$20.00 per 1000.
Geraniums, Mme. Salleroi, from 2¼ and 2½-in. pots, \$20.00 per 1000.
Lobelia, strong transplants, ready for 2¼-in. pots, \$18.00 per 1000.

J. E. Matthewson, Sheboygan, Wis.
 Mention the American Florist when writing

Bedding Plants

Extra Choice Stock. Clean, Well Grown and Healthy.

	EACH
Achyranthes.....	3-in. \$0.05
Ageratum.....	2-in. \$0.02½
".....	3-in. .05
".....	4-in. .07
Althernantheras.....	2-in. \$0.02½
Caladium Esculentum.....	4-in. .10
".....	5-in. .15
Cannas, King Humbert. Flor- ence Vaughan, Austria.....	4-in. .08
Celosia or Cockscombs.....	2-in. .03
".....	3-in. .05
".....	4-in. .05
Cobaea Scandens.....	3-in. .08
".....	4-in. .08
Coleus, Beckwith Gem, Ver- schaffeltii, Pfister red and yellow, Golden Bedder.....	2-in. \$0.02½
CYCLAMEN, 2-in.....	\$4.00 per 100
".....	3-in. 6.00 per 100
Dracaena Indivisa.....	3-in. .05
".....	4-in. .10
Dusty Miller.....	2-in. .02
English Ivy.....	4-in. .10
".....	3-in. .07
".....	2-in. .03
" " Rooted Cuttings.....	.01
Fuchsia.....	3-in. .07
German Ivy.....	3-in. .06
".....	2-in. \$0.02½
Gnaphalium Lanatum.....	2-in. .03
".....	3-in. .07

	EACH
Gnaphalium Lanatum.....	4-in. \$0.12
Heliotrope.....	3-in. .05
".....	4-in. .08
".....	4-in. .08
Hydrangea Otaksa.....	2-in. .03
".....	3-in. .06
".....	4-in. .15
".....	5-in. .25
" Larger plants in bloom.....	1.00
Lan'ananas.....	4-in. .08
".....	2-in. .02
Lemon Verbenas.....	.15
Lobelia.....	2-in. .02
" Katherine Mallard.....	2-in. .03
Marguerites, Yellow.....	4-in. .08
" Single White.....	4-in. .15
" Mrs. Sander.....	4-in. .08
".....	3-in. .05
Mme. Salleroi.....	3-in. .05
Penisetum.....	2-in. \$0.12
Petunias, Single, Bar Harbor Beauty.....	2-in. .02
Poinsettias, stock plants, 4-in.....	\$5.00 per 100
Pyrethrum, Golden Feather.....	3-in. .02
Ricinus.....	3-in. .05
Rose Geranium.....	4-in. .08
".....	3-in. .05
Roses, Plants Assorted.....	5 and 6-in. .25
Salvia.....	3-in. .05
".....	2-in. .02
".....	4-in. \$1.00 per doz.

	EACH
Shasta Daisies.....	\$5.00 per 100
Sweet Alyssum.....	2-in. \$0.02
Thunbergia.....	2-in. \$0.02½
Verbenas.....	2-in. .02
".....	4-in. .12
Vinca Variegata.....	2-in. \$0.02½
Umbrella Plants.....	2-in. \$0.02½
Roses, in pots, Lady Gay, Hi- awatha, Hermosa, Flower of Fairfield, Baby Dorothy, Yellow Rambler, White Ram- bler, Magna Charta, Capt. Hayward.....	.25

We also have on hand about 15,000 or 20,000 Cuttings in sand, ready to be potted, of Marguerites, Ivies, Geraniums, Coleus, Salvia, Achyranthus and Lobelia, Etc.

DRACAENA INDIVISA

3 inch, \$5.00 per 100; 4 inch, \$1.50 per dozen; \$10.00 per 100.
6 inch, \$15.00 per dozen; 8 inch, large beautiful specimen, \$1.50 each.

GEO. WITTBOLD CO.

739 Buckingham Place, CHICAGO.



ROSES

For Immediate Sales

Killarney and White Killarney

Clean, strong stock from 2¼ inch pots, ready to shift. \$3.00 per 100; \$25.00 per 1000.

Carnations FROM SOIL, Enchantress, White Enchantress, White Perfection and Dorothy Gordon, \$2.00 per 100.

Cash with Order.

Castle Grove Greenhouses, DANVILLE, PA.

Mention the American Florist when writing

Coleus

Rooted cuttings of good size and well rooted for delivery May 22d, at \$5.00 per 1000. Golden Bedder, Verschaffeltii, and Standards Mixed.

Four-inch pot plants from which these cuttings were taken well branched for immediate effect, and two-inch pot plants of the best assortment of giant leaved in the world at \$3.50 per 100.

CARNATIONS

Victory, from two-inch pots at \$1.50 per 100. Washington, at 5.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

PERLE ROSE PLANTS.

Own Root Perles, \$3.50 per 100 in 2½-in. pots; per 1000, \$30.00.

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OFFICE and STORE: 131 N. Wabash Ave., CHICAGO. GREENHOUSES: HINSDALE, ILL.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University. Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes. 250-page Catalog free. Write today.

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P. O. Berlin, N. J. WILHamstown Junc N. J.

POINSETTIAS

July and August Delivery

We will have a fine lot ready early in July. Strong 2½-in. pot plants, price: \$5.00 per 100, \$45.00 per 1000. Extra Strong Plants, \$5.50 per 100; \$50.00 per 1000.

A. HENDERSON & CO.

352 N. Michigan Ave., CHICAGO.

Vegetable Plants

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000, 10,000 and over, 85 cents per 1000.

Lettuce, Big Boston, Boston Market, Tennis Ball, and Grand Rapids, \$1.00 per 1000.

Beet, Eclipse, Crosby, and Egyptian, \$1.25 per 1000.

Cash With Order

R. VINCENT, Jr., & SONS, CO., White Marsh, Md.

BOXWOODS

Finest Trees in America. Order Early.

OBELISK.

5 feet high, 18-inch bottom measure.....\$10.00 each

Globe Shaped.

12 in. top.	12 in. high	Each
12-14	12-14	\$2.50
15-18	15-18	4.00
22-24	24	6.00

Standard.

12 in. crown	Each
12-18	\$1.50
18-21	2.50
21-24	3.00
24-27	4.00
32-34	6.00
36-38	9.00
40-42	10.00

Pyramid.

2½-3 ft. high	Each	4-5 ft. high	Each
3-3½	\$2.50	5-5½	\$ 5.00
3½-4	3.00	6	7.00
	4.00		10.00



DRACÆNA INDIVISA

3 inch, \$5.00; 4-inch, \$1.50 per dozen, \$10.00 per 100.
6 inch, \$5.00 per dozen; 8-inch, large beautiful specimen, \$1.50 each.



BAY TREES

Standard.

1 ft. stem, 18 in. crown	Each
2 " " 18 " "	\$ 4.00
2 " " 20 " "	4.00
3 " " 24 " "	5.00
3 " " 26 " "	6.00
3½ " " 28 " "	7.00
3½ " " 30 " "	7.00
4 " " 48 " "	8-50
	20.00

Pyramid.

4 ft. high	\$ 6.50
5 " "	8.00
7 " "	15.00
9 " "	20.00

GEO. WITTBOLD CO.

739 Buckingham Place,

CHICAGO

ORCHIDS...

CATLEYA EXTRAORDINARY

Early Flowering Trianae, Nov. and Dec. The greatest paying Cattleya in existence to the Commercial Grower.

First importation in four years.

50 cases of Splendid Stock, just arrived, will be sold without reservation. Write now.

G. L. Freeman, Wallfleet, Mass
Mention the American Florist when writing

Orchid Trade

H. STANLEY (Late Stanley & Co.),
Sandcross Lane, REIGATE, ENGLAND,
will ship Oncid. Varicosum and Capt. Loddigesii
in April and May. Enquire now,
Mention the American Florist when writing.

Alternantheras Coleus

	Per 100
Red, Yellow, 2¼ pot, April 20th	\$2.00
Geraniums, S. A. Nutt and 5 varieties, my selection	6.00
Asp. Plumosus and Sprengeri, 2¼ pots, May 1st	2.00

	Per 100
10 varieties, 2¼ pot	\$2.00
Petunias, May 1st	3.00
Canna, 10 varieties, 3 in. pot	4.00
King Humbert, 3 in. pot	6.00
Pansy Seed, new crop, Giant flowering, Oz.	4.00

Cash or C. O. D.

Jos. H. Cunningham, - - Delaware, O.

ORCHID SALE

Having purchased of the Dr. Little Estate all of the Orchids in his choice collection, I have now to offer hundreds of Cattleyas, Dendrobiums, Cypripedium Insigne and its varieties at ridiculously low prices. Fans, pots and baskets of 4 to 12 bulbs, at 50c to \$1.00 each. Write for varieties.

A. J. BINLEY, Florist, GLENS FALLS, N. Y.

Roses

while they last—this column grows one inch shorter each week.

2½ in., 25 of a sort at 100 rate; 250 at 1000 rate; 4 in., 5 at 100 rate.

	Doz.	100	1000	4-in.	100
American Beauty	.85	6	50	15	
HYBRID RUGOSA					
Conrad F. Meyer	.60	4	35	12	
New Century	.60	4	35	15	
MOSS ROSES					
Henri Martin	.75	4½	40	12	
Mousseline	.75	4½	40	12	
HARDY CLIMBERS					
American Pillar	.60	4	35	15	
Erdeaux	.60	3½	30	15	
Flower of Fairfield	.60	4	35	15	
Graf Zeppelin	1.00	7	60	25	
Keystone	.50	3	25	12	
Philadelphia Rambler	.50	3	25	10	
Pink Rambler	.50	3	25	10	
Tausendschoen	.50	3	27½	12	
Thornless Rambler	.60	4	35	12	
Trier	.50	3	25	12	
Veilschenblau, Violet Blue	.60	4	35	12	
White Rambler	.50	3	25	10	
Yellow Rambler	.50	3	25	10	
PRAIRIE					
Baltimore Belle	.50	3	25	10	
Prairie Queen	.50	3	25	10	
Tennessee Belle	.50	3	25	10	
MULTIFLORA					
Russell's Cottage	.50	3	25	10	
Seven Sisters	.50	3	25	10	
HYBRID WICHURAIANA					
Aviateur Bleriot	2.00	15	80	35	
Carissima	.60	3½	30	12	
Debutante	.50	3	25	10	
Excelsa	1.25	10	80	35	
Hiawatha	.50	3	27½	12	
Lady Gay	.50	3	25	10	
Manda's Triumph	.50	3	25	10	
South Orange Perfection	.50	3	25	10	
Sweetheart	.50	3	25	10	
Universal Favorite	.50	3	25	10	
White Dorothy Perkins	.60	4	35	12	
CLIMBING NOISETTES					
Lamarque	.50	3	25	10	
Mary Washington	.50	3	25	10	
Solfatare	.50	3	25	10	
CLIMBING BENGAL					
Empress of China	.50	3	25	10	
CLIMBING TEA					
Reve d'Or (Cl. Safrano)	.50	3	25	10	
TEAS					
Ivory	.50	3	27½	10	
Lady Hillingdon	2.50	20	1.75	50	
Mrs. Dudley Cross	.60	4½	40	12	
Perle des Jardins	.60	4	35	10	
Wm. R. Smith	.50	3½	30	10	
HYBRID TEAS					
Antoine Verdier	.50	3	25	10	
Dean Hole	.60	4	35	10	
Duchess of Wellington	1.25	10	80	35	
Eugene Souillet	2.00	15	80	35	
Heien Gould (Baldin)	.50	3	27½	10	
Instituteur Sirday	.50	3½	30	10	
La Detroit	.50	3	27½	10	
Lady Battersea	.50	3½	30	10	
Mme. Abel Chatenay	.50	3	27½	10	
Mme. Jenny Guillemot	.50	3½	30	10	
Mme. Jules Grolez	.60	3½	30	10	
Mlle. Helene Gambier	.50	3½	30	10	
Melody	1.25	10	80	35	
Miss Kate Moulton	.60	4	35	12	
Mrs. Aaron Ward	1.00	8	75	20	
Mrs. A. R. Waddell	.60	4½	40	15	
Queen Beatrice	.60	4½	40	15	
Rena Robbins	2.00	15	80	35	
Richmond	.60	4½	40	15	
Souv. de Frés. Carnot	.60	4	35	12	

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Mention the American Florist when writing

Chrysanthemums

ROOTED CUTTINGS

Ready Now.

750 Smith's Advance, 2000 Mrs. David Syme,
3000 A. Byron, 2500 W. Bonaffon,
2500 Rosette, 2000 Halliday,
1500 Pac. Supreme, 1500 M. Bonaffon, and
others. Send for list.

WM. SWAYNE,
Kennett Square, Pa.

Mention the American Florist when writing

LOOK! BARGAINS IN Bedding Plants

For Immediate Shipment.
NOW READY.

Godfrey Aschmann, the busy bee, is more active than ever. Come and look at what he and his sons and employees have done in four weeks' time. Inspect it yourself, judge it yourself, and you will say "Is it possible?" Ten greenhouses and equally as many frames are filled with choice bedding plants of all descriptions.



Canas, Alphonse Bouvier, Florence Vaughan, Pennsylvania, Queen Charlotte, 7.00
Canas, Mme. Crozy, 4-in., 10c; 5-in., 15c.
Hardy or English Ivy, 4-in., 10c; 5-in., 15c.
Begonia Erfordi, our well known strain, our latest improvement, always in bloom, best of all pink varieties, 4-in. pots, 8.00
Begonia Vernon, the genuine dark red. Discard the old large leaved and buy the new sort. A bed of them once seen growing on a lawn speaks for itself; it is our latest improvement of the Vernon type; always a mass of flowers; stands the sun, heat and the dry weather well; 7,000 4-in. now ready, 8.00
Begonia (all in bloom) 5.00
Begonia Berne, another novelty of Berne, Switzerland, a constant bloomer, 5½-in. pots, 25c; 3-in. 10c; 4-in., 15c.

Lemon Verbenas, 4-in., 7.00
Scarlet Sage, everybody's favorite, Clara Bedman or Bonfire (in bloom), 4-in., 7.00
Zurich, 4-in., 7.00
Ageratum, dwarf, best blue, 4-in., 7.00
Fuchsias, assorted colors, 4-in., 7.00
Double Petunias, assorted, 4-in., 7.00
Lantanas, assorted, 4-in., 7.00
Geraniums, 3 best well-known varieties:
 Beaute Poitevine, best salmon pink, 4-in., 8c each
 S. A. Nutt, best crimson, 4-in., 7c each
 Alfonse Ricard, best double red, 4-in., 7c each
Honeysuckle, sweet-scented Halleana, 4-in., 10c; 5-in., 15c each
Clematis Paniculata, 5½-in. pots, 15c to 20c each
Ampelopsis Veitchii, 30-in. high, 4-in., 15c each
Cobea Scandens, 4-in., 10c each
Dielytra Spectabilis or Bleeding Heart, hardy, like a peony, kept outside in frames all winter, strong and healthy, 6-in. pots, 35c to 50c.
Dracena Indivisa, 6-in. pots, 50c.

Hydrangea Oteksa, 6-in. pots, medium size only, suitable for outdoor planting, not in bloom, 25c; 7-in. pot, in cold frame all winter through, 50c to 75c.
Asparagus Plumosus, 2½-in., \$25.00 per 1000, \$3.00 per 100; 3-in., \$5.00 per 100.
Asparagus Sprengeri, 4-in., 10c.

Here we have something new, worth while having. What is it? It is a **New Yellow Daisy**, a constant bloomer. Here is the name: **Dimorphothea Aurantiaca**, 2-in. pots, \$1.00 per doz.

First Consignment.

6,000 just received per steamer Lapland from Antwerpen, Belgium; more coming by next steamer.
Araucaria Excelsa, **Robusta Compacta**, **Glaucia**, and **Palms**, etc. Florists, you all know we are leaders for the last 25 years in importing, growing and shipping of this so well known evergreen decorative plant, the **Araucaria**, more in favor than ever from Atlantic to Pacific Ocean. To every florist our **Araucarias** are interesting; therefore no argument is needed for our goods. We know what our customers need; therefore we have provided and set aside special specimen plants, spring, 1911, importation, lawns, porches, verandas, bungalows, private summer residences, the hotels and boarding houses on the seashore and elsewhere. This plant is one of the most desirable evergreen decorative plants adapted for the above mentioned purposes.

Araucaria Excelsa raised from top cuttings, 6-7-in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa Glaucia and **Robusta Compacta**, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Araucaria Excelsa, new importation, arrived per steamer Lapland, in fine condition, out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 140c, 50c, 75c and \$1.00 each.

Robusta Compacta Excelsa Glaucia, 5½ and 6-in. pots, \$1.00 to \$1.25 each.
Kentia Belmoreana, 4 year old, 30 to 35 inches high, \$1.50.
Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.
Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.
Kentia Belmoreana, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.
Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.
Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 inches high, 75c to \$1.00.
Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Here is a bargain seldom offered. Only as long as we have it in stock. **Kentia Belmoreana**, made up of 3 plants, 30 to 36 inches high, 8-in. pots. Look! Only \$1.50, worth \$2.50.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.
Kentia Forsteriana, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00 each.

Cocos Weddelliana Palms, made up of 3 plants, 4 to 5 in. pots, 30c to 40c; 3-in., 15c.

Areca Lutescens Palms, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.

Ficus Elastica (Rubber Plant), 7-in. pots, 30 to 35 in. high, \$1.00; 25 to 30 in. high, 7-in. pots, 75c; 6-in. pots, 20 to 25 in. high, 40c to 50c; 5½-in., 30c to 35c.

Ferns.

Neph. Cordata Compacta, 4-in., 20c; 3-in., 15c.
Scottii, very large selected specimen plants, 5½, 6 and 7 in. pots, 25c, 30c, 40c, 50c, 75c, \$1.00; 4-in. pots, 20c.

Whitmani and **Scholzei**, 7-in. pots, 75c to \$1.00; 5, 5½, 6 to 7 in. pots, 25c, 30c, 40c, 50c to 75c.

Giatrasii, 5½-in. pots, 30c, 35c, 40c; 4-in. pot plants, 20c to 25c.
Boston, 7-in., 75c to \$1.00.

In Small Plants

we have the following in 2½ to 3-in. pots, at \$3.00 per 100:

Verbenas, assorted colors.
Phlox Drummondii, dwarf and grandiflora.
French dwarf Tagetes (the queen of the Marigolds).
Coleus, Verschaffeltii, Golden Bedder, Queen Victoria (fancy colors, 4c).
Petunias, Inimitable, Dwarf and Rosy Morn.
Sweet Alyssum, Carpet of Snow or Little Gem
Thunbergia, or Black Eyed Susan.
Lobelia, Crystal Palace, blue, dwarf.
Cornflowers (assorted).
Centaurea Gymnocarpa (Dusty Miller).
Parlor or German Ivy, 3c.
California Giant Petunia, 3-in., \$5.00 per 100.
Asters, 5 separate colors, 2½-in., 3c; Crego, mottled or striped.

Don't forget that we are the growers and shippers of **Ipomea Noctiflorum**, the pure white Moonvine, with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years; grows 50 feet and over in one season; over 25,000 are shipped every spring all over America, south, north, west and east Mexico and Cuba, 2½-in. pots, \$5.00 per 100; 3-in. \$3.00 per 100; 4-in., \$12.00 per 100.

Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

HYDRANGEAS

FOR SUMMER FLOWERING.

A splendid lot of retarded plants, in good, green tubs.



OTAKSA.

11-inch pail-tubs	5 to 6 leads,	\$1.00
12-inch Riverton tubs,	8 to 10 "	2.50
14-inch "	10 to 12 "	3.50

Jeanne d'Arc.

White flowering, an improvement on Thos. Hogg.

6-inch pots,	bushy plants,	25 cents each.
10-inch pail-tubs,	" "	75 " "

If you are interested in the New Hydrangeas which will no doubt prove to be the Greatest Novelty for Easter in the Eastern markets, send for our Special Circular, which offers not only the favorites of this season, but also a number of the newer sorts, which are not yet generally distributed and which are certain to prove valuable.

Dracaena Indivisa

A splendid lot of this most useful plant for summer use.

4-inch pots,	\$1.50 per dozen;	\$10.00 per 100.
5 " "	3.00 " "	20.00 " "
6 " "	4.00 " "	30.00 " "

Large plants in 8 and 9-inch pots, 75 cents, \$1.00, \$1.50 and \$2.00.

The above prices are intended for the Trade only.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

Mention the American Florist when writing

ORCHID SALE

The assets of Carrillo & Baldwin will be sold by

Public Auction on May 14th, at 12 o'clock sharp

The stock consists of 16,000 Orchid Plants in fine condition, mostly semi-established. This is a fine opportunity for the trade to secure some good stock of all the leading varieties. Also considerable variety suitable for private growers.

Also 15 acres Real Estate, Horses, Wagons, Cow, Chickens, Tools, Etc.

CARRILLO & BALDWIN,

Per Charles H. Maynard, Co-Receiver.

Mamaroneck, N. Y.

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Ferns.

4-inch heavy stock, \$12.00 per 100. Boston, Barrowsi and Elegantissima; also 2 1/4-inch Boston, \$3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio

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Alternantheras.....

Strong, well rooted cuttings, the kind that will please you.

P. Major, red.....	50c per 100; \$4.00 per 1000
A. Nana, yellow.....	50c per 100; 4.00 per 1000

J. W. DAVIS, 225 W. 16th Street, Davenport, Iowa.

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DAHLIAS

The best New and Standard varieties. Send for Wholesale Price List.

BASSETT & WELLER

HAMMONTON, N. J.

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Good Luck—Four-Leaved Clovers

Plant keeps well, requires little care, excellent seller, suitable for any occasion—birthday, wedding, sick room, traveler, or any event where a good luck wish is in place. Introduced in New York this Easter and taken up by the Public with great enthusiasm.

SPECIMEN PLANTS, \$24.00 per doz SEEDLING PLANTS, \$35.00 per 100, \$6.00 per doz.

Large Plants Retail at \$5.00 each Small Plants at \$2.00 each.

For Sale by **Julius Roehrs Co.,** Rutherford, New Jersey or **Max Schling,** 22 W. 59th St., New York City

Asparagus Plumosus and **Sprengeri**, 3-in. pots \$4.00 per 100.

Ivy, Hardy English, 3-in. pots, \$4.00 per 100.

Clematis **Paniculata**, strong 2-year old plants, \$10.00 per 100. These will bloom this season. 1-year old plants, \$5.00 per 100. Seedlings, strong, \$1.00 per 100; \$8.00 per 1000.

Dracaena Indivisa, 3-in. pots, \$4.00 per 100.

Chrysanthemums, strong plants from flats, \$2.00 per 100. Golden Glow, White Cloud, Pacific Supreme, Dr. Enguehard, Yellow Jones, Nonin, Pompons, White Diana, Lulu.

Carnations, Rooted Cuttings, from soil, fine plants of Boston Market, still one of the best whites, \$2.00 per 100; Enchantress, white and pink, \$3.00 per 100.

Passiflora Cœrulea and **Pfordii**, 3-in. pots \$4.00 per 100.

Moonflower, large flowering, from 2½-in. pots, \$3.00 per 100.

Plants from 2½-in. pots, \$2.50 per 100: **Abutilon Savitzi**; **Cupheas**; **Ageratum**; **Salvia Bonif**; **Farlor Ivy**; **Variegated Ground Ivy**; **Asparagus Sprengeri**; **Dracaena Indivisa**; **Alyssum**, Dwarf; **Euonymus Golden Variegated**; **Variegated Vincas**; **Cobaea Scandens**. **Anthirrhinum**, pink and red. **Impatiens**, **Feverfew**.

Umbrella Plants, 3-in. pots, \$4.00 per 100.

Boxwood, 2½-in. pots, \$3.00 per 100.

Myrtles, the real Bridal Myrtle, large and small leaved varieties, \$3.00 per 100.

Bouvardias, white, pink, scarlet and red, 2-in. pots, \$3.00 per 100.

Ampelopsis Veitchii, from 4-in. pots, \$10.00 per 100; 3-in. pots, \$5.00 per 100.

Wistaria Sinensis, seedling plants, 3-in. pots, \$4.00 per 100.

Euonymus, Golden Variegated, 4-in. pots, \$10.00 per 100; 3-in. pots, \$5.00 per 100.

Hydrangea Otaksa and **Thos. Hogg**, 2½-in. pots, \$3.00 per 100.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

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A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins.

Poitevine, 2-in., \$2.00 per 100.

Boston Ferns, 5-in., 25c each.

Whitmani Ferns, 4-in., 25c.

Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., \$2.50 per 100.

Asparagus Plumosus, 2-in., \$3.00 per 100.

Coleus, **Althernantheras**, red and yellow, **Heliotrope**, **Scarlet Sage**, **Cimon Verbenas**, **Cigar Plant**, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.
Mention the American Florist when writing

Boston Ferns...

\$3.00 per 100, \$30.00 per 1000

Whitmani Compacta (new), to take the place of

Whitmani. A better commercial fern; 2½-in. :

\$6.00 per 100; \$50.00 per 1000.

Roosevelt, \$6.00 per 100; \$50.00 per 1000.

250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

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Stock for Everybody

Gladiolus America, \$4.00 per 100; \$35.00 per 1000.

Dahlias, pot plants, the cheapest and most satisfactory way to buy Dahlias. Following list of good cut flower varieties: **A. D. Lavoni**, **Ara-bella**, **White Dove**, **Strahlein Krone**, **Standard Bearer**, **C. W. Bruton**, **Coun-tesess of Lonsdale**, \$3.60 per 100. **Sasan**, grand sort, \$7.50 per 100. **Grand Duke Alexis**, \$5.00 per 100. **Snowball** and **Caleb Powers**, \$7.50 per 100. **John Thorpe**, \$5.00 per 100.

Azalea Mollis, Hardy, for outdoor planting, 12 to 15 in. high, full of buds, \$25.00 per 100.

Tree Roses, straight, stiff stems, 4 ft. high, with good heads; hardy sorts only, all colors, \$40.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.

Rhododendrons, Parson's hardy varieties for outdoor planting, undoubtedly the largest block of imported plants in the country. Fine bright foliage and well filled with buds. Named sorts in all colors. 15 to 18 in. high, 7 to 10 buds, 50c each; 18 to 24 in. high, 8 to 12 buds, 75c each; 24 to 30 in. high, 12 to 16 buds, \$1.00 each, 30 to 36 in. high, 16 to 20 buds, \$1.50 each.

Kalmia Latifolia (Mountain Laurel), 18-in. high, 12 to 15 in. head, with ball of earth, 50c each.

English Ivy, strong 4-in. pot plants, in fine growing condition, 3 ft. of tops, \$12.00 per 100; 2½-in. pots, \$4.00 per 100.

Mention the American Florist when writing



New Hardy Golden Vinca. Vinca Minor Aurea.

Golden variegated Myrtle or Periwinkle.

This is not a creamy yellow like *V. Variegata* but a rich deep golden yellow, grand for shrubbery borders, banks, window boxes, vases and especially for cemetery work.

Awarded Certificate of Merit by the New York Hort. Society; Paterson (N. J.) Horticultural Society and Elberon (N. J.) Horticultural Society.

Price, 3 in. pot plants, \$2.00 per doz.; \$15.00 per 100. Delivery in April.

WM. TRICKER, Arlington, N. J.

Water Lilies and Hardy Plants a Specialty

Mention the American Florist when writing

Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

Roses.

Ramblers, Hybrid Teas, Hybrid Perpetuals, Dwarf Polyanthas, Standards and Half Standards.

Rhododendrons.

18-24 inches, well budded, named varieties, forcing stock, as well as kinds for outdoors. \$40.00 per 100.

Lily of the Valley. Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.

TELL US YOUR WANTS.

Jackson & Perkins Company,

Nurserymen and Florists (Wholesale only), Newark, Wayne Co., New York

Mention the American Florist when writing

Joseph Heacock Company's Palms & Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana			
Pot	Leaves	In. high	Each
2½-in.	4	8 to 10	\$ 1 50
3-in.	5	12	2 00
4-in.	5	15	\$0 35
5-in.	6 to 7	18	50
6-in.	6 to 7	21	1 00
Cedar tub	Leaves	In. high	Each
7-in.	6 to 7	34 to 36	2 50
9-in.	6 to 7	40 to 45	4 00
9-in.	6 to 7	42 to 48	5 00
9-in.	6 to 7	48 to 54	6 00
9-in.	6 to 7	5 ft.	7 50

Cocos Weddelliana			
Pot	In. high	Per 100	
2½-in.	8 to 10	\$10 00	

Areca Lutescens			
Cedar tub	Plants in tub	In. high	Each
9-in.	Several	5 ft.	\$7.50

Kentia Forsteriana—Made up				
Cedar tub	Plants	In. high	Each	Doz.
7-in.	4	35	\$ 2 50	\$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00
9-in.	4	48 to 54	6 00	
12-in.	4	5½ to 6½ ft.	15 00	

Phoenix Roebelenii			
Pot			Each
5-in.	nicely characterized		\$1 00
6-in.	18 to 20-in. spread		1 50
Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	\$2 00

Cibotium Schlegelii			
Cedar tub	Spread		Each
9-in.	4 feet		\$3 00
9-in.	5 feet		5 00
9-in.	6 feet		6 00

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your own convenience, both going and coming. When you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa.

Railway Station,
Jenkintown.

BEDDING STOCK

AND

Plants for Decoration Day

Our stock of Bedding Plants is second to none in Central Illinois. Write us your wants. Ask for our circulars of Soft Wooded Stock, Ferns, Roses, Cannas, Chrysanthemums, and Blooming Stock for Spring and Decoration Day.

Our terms are Cash; our guarantee is to give you satisfaction. Write or wire us.

GEO. A. KUHL, PEKIN, ILL.

Wholesale Grower to the Trade.

Cut Flowers and Designs shipped to any part of the Country.

Geraniums

Rooted cuttings from now until Oct 1st at \$10.00 per 1000. Have none but Nutt, Poitevine and Ricard.

Plumosus and Smilax

Plumosus extra fine at \$2.50 per 100.
Smilax, \$1.50 per 100; \$12.50 per 1000.

Sprengerii

Four-inch stock at \$3.50 per 100.
Samples of any stock for ten cents.

ALBERT M. HERR, Lancaster, Pa.

Ferns for Dishes

2¼-in. per 100 per 1000
Asparagus Plumosus, 2¼-inch, \$3.50 \$30.00
\$30.00 per 1000. 3-in., \$6.00 per 100.
500 at 1000 rate. Cash with order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

ROSE STOCK

American Beauty, \$8.00 per 100; \$75.00 per 1000.

Rose Queen and Lady Hillingdon, \$20.00 per 100; \$150.00 per 1000.

Bon Silene, Radiance, Killarney and Richmond, \$6.00 per 100; \$50.00 per 1000.

2½ INCH POT PLANTS

IMMEDIATE DELIVERY.

Write us for quotation on large blocks.

CHAS. H. TOTTY - - Madison, N. J.

The Two Best Roses of The Year

Killarney Queen and Double White Killarney

Grafted plants for immediate delivery, \$30 per 100; 250 for \$70; \$250 per 1000.
Own Root, \$25 per 100; \$200 per 1000.

RICHMOND, Grafted, \$15 per 100; \$120 per 1000; Own Root, \$7.50 per 100; \$60 per 1000.

MRS. TAFT, (Rivoire.) Own root, \$7.50 per 100; \$60 per 1000.

RADIANCE, Own root, \$7.50 per 100; \$60 per 1000.

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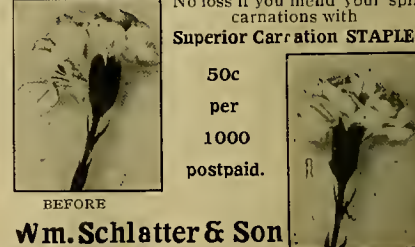
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Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

Alternantheras, red and yellow, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Alternantheras, R. C., P. Major, A. Nana, 50c per 100; \$4 per 1,000. J. W. Davis, 225 W. 16th St., Davenport, Ia.

AMPELOPSIS.

Ampelopsis Veitchii, 3-year-old, \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

AQUATICS.

Water hyacinths, \$2.50 per 100; \$20 per 1,000. J. G. Strong, 505 Gray St., Lake Charles, La.

AQUILEGIA

Aquilegia (Columbine) white or mixed, 3-year clumps, \$5 per 100. Cash. Stevens' Gladiol Company, Saginaw, Mich.

ARAUCARIAS.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechslein, 4911 Quincy St., Chicago.

Araucaria excelsa, 4-in., 6 to 8 ins., case lots of 50 and 100 each, \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Humkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus nanus, from 2¼-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, prop., Chatham, N. J.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

ASPARAGUS SPRENGERI, extra heavy 3¼-in., \$4 per 100; 2-in. ASPARAGUS PLUMOSUS, \$2.50 per 100; 3-in., fine stock, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus nanus, 2¼-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 2½-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprenger, extra strong, 3-in., 6c; 3½-in., 8c. Cash, please. Heinl's Greenhouses, West Toledo, Ohio.

Asparagus Sprenger, 2½-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

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Asparagus plumosus and Sprenger, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

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Aster plants Henderson's Invincible no finer strain anywhere, 6 colors, strong plants, 75c per 100; \$6.50 per 1,000. Cash with order. The Brill Celery Gardens, Kalamazoo, Mich.

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Azalen Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea mollis, 12-15 ins., 10 to 16 buds, \$25 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees, pyramids and standards. McNiff Horticultural Co., 62 Vesey St., New York.

Bay Trees. Bobbink & Atkins, Rutherford, N. J.

BEDDING PLANTS.

Bedding plants. Abutilon Savitzi; Acalypha maccaffeanii; Achyrnathes Emersoni; ageratum, 7 varieties; Begonia Vernon; Cuphea platycentra; Cineraria Maritima candidissima; Cannas, assorted and King Humbert; Coleus, Brillancy and 11 standard varieties; Chrysanthemums, hardy pompons; Fuchsia, Göttingen and Marinka; hardy English ivy; Geraniums, ivy leaved, Mt. of Snow, Mrs. Pollock, Silver leaf Nutt, Sophie Dumaresque; Heliotrope Chieftain and Mme. Bruant; Lemon verbena; moonvine, white and blue; petunias, dbl. fringed mixed; Sage Holts mammoth; Salvia Bonfire and Zurich; Senecio scandens, parlor ivy; Verbenas, 5 vars.; hardy phlox, 19 varieties. For sizes and prices see advertisement elsewhere in this issue. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Bedding plants, Coleus, geraniums, lobelias, Dracena indivisa. J. E. Matthewson, Sheboygan, Wis.

Coleus, alternantheras, red and yellow; bellotrope, scarlet sage, lemon verbena, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Bedding Stock of all kinds. Geo. A. Kuhl, Pekin, Ill.

BEGONIAS.

Begonias, fine transplanted stock ready for shipment. Vernon, scarlet; Luminosa, crimson; Gracilis Resea, light pink; \$1.25 per 100; by mail; \$8 per 1,000 express. Cash with order. Peter Brown, Lancaster, Pa.

Begonias, Lorraine, 2½-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Turnford Hall, Betty Anderson, La Patrie, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

Begonia Lorraine, extra fine plants, from 2½-inch pots, guaranteed all from leaf cuttings, at \$12.50 per 100. Cash or satisfactory references. ELITCH-LONG GREENHOUSES, Denver, Colo.

Begonia Glory of Cincinnati, young shoots from base, \$15 per 100; \$140 per 1,000. J. A. Peterson, Cincinnati, O.

Rex Begonia, assorted, 3-in., \$5 per 100. The Dince & Conard Co., West Grove, Pa.

Begonias, Cloire de Lorraine and Glory of Cincinnati, \$2 per doz.; \$15 per 100; \$140 per 1,000. Vaughan's Seed Store, Chicago and New York.

BOXWOOD.

Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Bush box, 12 ins., 30c each; \$25 per 100. Storrs & Harrison Co., Painesville, O.

Boxwoods, Pyramids, 18 in., 50c each; 2 ft., \$1.00 each; 2½ ft., \$1.50 each; 3 ft., \$2.00 each; 3½ ft., \$3.00 each; 4 ft., \$4.00 each; 4½ ft., \$5.00 each. Cash. F. O. Franzen, 1476 Summerdale Avenue, Chicago, Ill.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Boxwood, McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, gladiolus, Kunderl "Glory," per 100, \$7.50; per 1,000, \$70. America, 1¼ to 1½-in., \$27.50 per 1,000. Mrs. Francis King, 1¼ to 1½-in., \$17 per 1,000. Augusta, 1¼ to 1½-in., \$16 per 1,000. Princeps, per 100, \$10. Extra fine mixture, part named, \$18. Tuberoses, Dwarf Pearl, medium, 3-4 in., \$5 per 1,000. Lilium auratum, 8-9 in., \$50 per 1,000; 9-11 in., \$50. Vaughan's Seed Store, Chicago and New York.

Bulbs, Gladiolus, America, \$3.50 per 100; \$30 per 1,000; Augusta, \$2.25 per 100; \$20 per 1,000; Francis King, \$2.75 per 100; \$25 per 1,000; White and light mixture, \$1.75 per 100; \$15 per 1,000. Caladiums, 5-7-inch., \$2 per 100. Gloxinias, separate, \$3.50 per 100; \$30 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Flske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

PEARL TUBEROSE BULBS.-3 to 4 inches circum., 75c per 100; \$6 per 1,000; 4 to 6 inches, \$1.25 per 100; \$12 per 1,000. Packing included, and f. o. b. Richmond, Va. T. W. WOOD & SONS, Seedsmen, Richmond, Va.

Japan lily bulbs, Lilium giganteum, longiflorum, Formosa, multiflorum, magnificum, Mel-pomene, rubrum, album, auratum, etc. The Japan Lilium Co., 952 40th St., Oakland, Calif.

Bulbs, Horseshoe Brand Lilium Harrisli. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Gladiol, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lilies. E. S. Miller, Wading River, N. Y.

BAY and BOX TREES. Fine assortment. State size wanted. Wagner Park Conservatories, Sidney, O.

Bulbs, Begonias and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulba, Burnett Bros., 72 Cortlandt St., New York.

Gladiolus bulbs. Chamberlain & Gage, Groton, Mass.

Bulbs. Surplus of L. Multiflorums, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, Dutch. W. J. Eldering & Son, Overveen, Holland.

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The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Austria and Morning Star, \$1.25 per 100; \$11 per 1,000. Tarrytown, Pennsylvania, Crimson Bedder, Chas. Henderson, David Harum, Allemannia, Shenandoah, \$1.50 per 100. F. Walker & Co., Louisville, Ky.

Cannas, well started. Austria, Italla, \$1.00 per 100. Florence Vaughan, Chas. Henderson, \$1.50 per 100. J. D. Eisele, Louisiana, Pennsylvania, Mlle. Berat, \$2.00. King Humbert, \$4.00 per 100. Salvias, 2 1/2-in., blue ageratum, sweet alyssum, verbenas, \$2.00. Coleus, Golden Bedder, Verschaffeltii, Firebrand, John and Anne Fitzer, \$2.00. Cobaea vines, 2 1/2-in., \$3.00. Boston, Elegantissima and Scotti ferns, 3-in., \$5.00 per 100. J. W. Yates, Box 110, Tuskegee Inst., Ala.

Cannas, 10 varieties. 3-in., \$4 per 100. King Humbert. 3-in., \$6. Jos. H. Cunningham, Delaware, O.

Canna King Humbert, 3 1/2-in., \$8 per 100. Cash, please. Heintz's Greenhouses, West Toledo, Ohio.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

CARNATIONS.

CARNATIONS.

Strong, Well Rooted Cuttings.

	Per 100	Per 1000
Washington	\$6.00	\$50.00
White Wonder	6.00	50.00
White Enchantress, pure white	3.00	25.00
White Perfection	3.00	25.00
Victory	3.00	25.00
Scarlet Glow	3.00	25.00
May Day, very fine	3.00	25.00

CHICAGO CARNATION CO.

A. T. Pyfer, Mgr., 30 E. Randolph St., Chicago.

FINE CARNATION CUTTINGS.

	Per 100	Per 1000
Victory	\$2.00	\$15.00
Washington	6.00	50.00
Enchantress	3.00	25.00

VIETOR BROTHERS,

162 N. Wabash Ave., Chicago.

Carnations, extra fine strong stock in the following varieties: Enchantress, Pure White Enchantress, Rose Pink Enchantress and W. Perfection, \$3 per 100; \$25 per 1,000. Beacon, Dorothy Gordon and Mrs. C. W. Ward, \$3.50 per 100; \$30 per 1,000. White Wonder and Gloriosa, \$6 per 100; \$50 per 1,000. I guarantee to please you. 250 at 100 rate. Cash or reference. A. A. Gannett, Geneva, N. Y.

Carnations, White Wonder, Norwood, \$6 per 100; \$50 per 1,000. Dorothy Gordon, \$4 per 100; \$35 per 1,000. White Enchantress, Enchantress, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Rose Pink Enchantress from soil, \$24 per 1,000. Enchantress from soil, \$29 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

EXTRA CHOICE CARNATIONS, Winsor, White Lawson and Victory. Closing out surplus of young stock. All choice, extra large plants, ready for bench or field, \$3.50 per 100, or \$30 per 1,000. Cash or reference. BLITCH-LONG GREENHOUSES, Denver, Colorado.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000; White Winsor, \$6 per 100; \$50 per 1,000. Smith & Gannett, Geneva, N. Y.

Carnations, Washington, \$4 per 100; \$35 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000. Beacon, \$3 per 100; \$25 per 1,000. May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weher, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward, White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnations, strong 2-in. stock, Mrs. C. W. Ward, Alma Ward and Dorothy Gordon, \$3.50 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Carnations. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Victory, 2-in. pots, \$1.50 per 100. Washington, \$5. A. M. Herr, Lancaster, Pa.

Carnations, Bonheur, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums. The best for florists' use. For list of varieties see elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

HEADQUARTERS

CHRYSANTHEMUMS, ROOTED CUTTINGS

	Per 100	Per 1,000
White	Per 100	Per 1,000
Chadwick	\$2.50	\$20.00
Mrs. Buckbee	2.00	15.00
W. Bonnafon	1.50	10.00
Touset	1.50	10.00
Esterle	1.50	10.00
W. Gloria	2.00	15.00
Yellow		
Golden Glow	1.50	10.00
Monrovia	1.50	10.00
Robt. Halliday	2.00	15.00
Col. Appleton	2.00	15.00
Golden Eagle	2.00	15.00
Nagoya	1.50	10.00
Pink		
Roslere	1.50	10.00
Pacific	1.50	10.00
Monogram	1.50	10.00
Dr. Enguehard	2.00	15.00
Maud Dean	2.00	15.00
J. Rosette	1.50	10.00
Wells Late Pink	2.00	15.00
Marian Newell	2.00	15.00

POMPONS.

	Per 100	Per 1,000
White		
Baby Margaret	2.00	15.00
Diana	2.00	15.00
Lulu	2.00	15.00
Yellow		
Quinola	2.00	15.00
Baby	2.00	15.00
Pink		
Ladysmith	2.00	15.00
Emille	2.00	15.00

VIETOR BROS.,

162 N. Wabash Ave., Chicago.

CHRYSANTHEMUMS.

	R. C. Per 100	Per 1,000
Crimson	\$2.50	\$20.00
Pockett's Crimson	2.00	15.00
Intensity	2.00	15.00
White	R. C. Per 100	Per 1,000
Alice Byron	\$2.00	\$15.00
Touset	2.00	15.00
October Frost	2.00	15.00
Yellow	R. C. Per 100	Per 1,000
Crocus	\$4.00	\$35.00
Golden Glow	2.00	15.00
Halliday	2.00	15.00
Maj. Bonnafon	2.00	15.00
Pink	R. C. Per 100	Per 1,000
Pacific Supreme	\$2.00	\$15.00

J. D. THOMPSON CARNATION CO., JOLIET, ILL.

ROOTED CUTTINGS out of Sand. Out Door Propagation. Ready to ship. Safe arrival guaranteed. WHITE, \$1.50 per 100; \$12.50 per 1,000; Early Chadwick, Kalb, White Cloud, Mlle. Desjouis, Florence Pullman, Mrs. Buckbee, Silver Wedding, Lynwood Hall, Queen, Timothy Eaton, Yanoma. YELLOW, \$1.50 per 100; Monrovia, Halliday, Appleton, Golden Wedding. PINK, \$1.50 per 100; \$12.50 per 1,000; W. H. Simpson, J. Rosette. SINGLE SORTS: Cosmos, Pink; Lady Smith, pink. MEMPHIS FLORAL CO., 145 South Main St., Memphis, Tenn.

CHRYSANTHEMUMS. Strictly first-class rooted cuttings of the following varieties: Maj. Bonnafon, White Ivory, Amorita, Roslere, De-Kalb, October Frost, Golden Glow, Monrovia, etc., at \$2 per 100; \$15 per 1,000. Clementine, Touset, Jeanne Nonin, Dr. Enguehard, Vivand-Morel, Mrs. Robinson, Timothy Eaton, Maud Dean, Col. Appleton, Robt. Halliday, Helen Frick, Yellow Eaton, Golden Wedding, Thurlie, etc., at \$2.50 per 100; \$20 per 1,000. Cash or satisfactory reference. BLITCH-LONG GREENHOUSES, Denver, Colorado.

Chrysanthemums, strong rooted cuttings. White: Alice Byron, Chadwick, Early Snow, \$2 per 100; \$18 per 1,000. Polly Rose, \$1.50 per 100; \$15 per 1,000. Pink: Patty (Enchantress color), \$2.50 per 100; \$20 per 1,000. Pacific Supreme, \$2 per 100; \$15 per 1,000. Dr. Enguehard, \$1.50 per 100; \$15 per 1,000. Yellow: Dolly Dimple, Nagoya, Golden Eagle, \$2 per 100; \$18 per 1,000. Bonnafon, Robt. Halliday, \$1.50 per 100; \$15 per 1,000. Cash with order. Shipped direct from greenhouses. A. L. Young & Co., Wholesale Florist, 54 W. 28th St., New York City.

CHRYSANTHEMUMS. R. C., \$2; 2 1/2-in., \$3.50; 3-in., \$5. White: Kalb, Bonnafon, J. Jones, Robinson. Pink: Ivory, J. K. Shaw, Dr. Enguehard, Maud Dean. Yellow: Monrovia, Robt. Halliday, Golden Wedding, Yellow Chadwick, Golden Glow, Bonnafon, Golden Age, Appleton. GEO. A. KUHLE, Pekin, Ill.

Chrysanthemum, strictly first-class stock, White Chadwick, Yellow Chadwick, White Jones and Yellow Jones, R. C., \$2.50; 2 1/2-in., pots, \$3.50 per 100. Otto J. Hembreker, Lincoln, Ill.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums. Our collection of over 50 varieties cover all that is desirable. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums. Chas. H. Totty, Madison, N. J.

Chrysanthemums. Wm. Swayne, Box 85, Kennett Square, Pa.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COBAES.

Cobaea, 2 1/2-in., \$3.50; 3-in., \$6.00 per 100. 15 to 20-in. vines. Wonsetler Greenhouses, Bryan, O.

COLEUSES.

Coleus, R. C., \$5 per 1,000. Golden Bedder, Verschaffeltii and Standards mixed, 4-in. pot plants and 2 1/2-in. assorted giant leaved, \$3.50 per 100. A. M. Herr, Lancaster, Pa.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, mixed, 2-in., \$18 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Coleus, 10 varieties, 2 1/2-in., \$2 per 100. Joa. H. Cunningham, Delaware, O.

CYCLAMENS.

Cyclamen Gigantea, transplanted Aug. seedlings, Cream of English and German strain, including orchid and heat salmon flower, 10 separate varieties, 4-6 leaves, ready to pot, \$3 per 100; \$25 per 1,000. Rober & Radke, Maywood, Ill.

Cyclamena, 3-in. pots, \$10 per 100; \$80 per 1,000. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, leading kinds, \$3.50 per 100; \$30 per 1,000. Divided field-roots, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Dahlias, strong divisions, best cut flower sorts, grown from divisions, not plants. The W. K. Fletcher Bulb and Floral Co., shipping point, Des Moines, Valley Junction, Iowa.

Dahlias, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias, new and standard varieties. Bassett & Wellar, Hammonon, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISES.

DAISY HEADQUARTERS. We offer the three heat, Mrs. Sander, Sollel d'Or (yellow), and Queen Alexandra, strong plants from 2 1/2-in. pots, \$5 per 100. WIELAND & RISCH, 154 N. Wabash Ave., Chicago.

DRACAENAS.

Dracaena indivisa, 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$4 per doz., \$30 per 100. Large plants, 8 and 9-in., \$1.50 and \$2. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracaena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Dracaena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Indivisa, 5-in., 20c; 6-in., 30c; cash, please. Heintz's Greenhouses, West Toledo, Ohio.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Amerpohli, Barrowsii, Scotti, Elegan-Hestia, Boston, Jackson, Sword and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dingle & Conard Co., West Grove, Pa.

Ferns for dishes, transplanted, ready for pots, 5 vars., \$1.00 100; \$9.00 1,000. To make room—2-in., 8 vars., \$2.50 100; \$20.00 1,000. Aspidium tsussimense, Cyrtomium falcatum, \$3 100. Cash, please. Rober & Radke, Maywood, Ill.

Ferna, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rate. H. H. Barrows & Son, Whitman, Mass.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/4-in., \$2.50 per 100; \$3.00 per 1,000; 500 at 1,000 rate. Frank Oechalin, 4911 Quincy St., Chicago.

Ferns, Boston, 5-to, 25c each. Whitman, 4-in., 25c. Geo. M. Emmons, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, fine, double flowers, the best of all, \$1 per 100; \$9 per 1,000. Prepaid. C. Humfeld, Clay Center, Kans.

GERANIUMS.

STOCK PLANTS.

Good strong plants for hedging, one-year old S. A. Nutt, Dbl. Grant, Poitevine, Buchner, \$5 per 100. **ROOTED CUTTINGS**, extra strong, \$1.25 per 100; \$12 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, S. A. Nutt, Ricard, Beaute Poitevine, White Buchner, 3-in., 6c; 4-in., 7c and 8c, good stocky plants in bud and bloom. Cash with order. Gus Schlegel, Olney, Ill.

GERANIUM SCARLET BEDDER.

An improved S. A. Nutt, being brighter in color and surpassing this popular sort in freedom of bloom. Strong plants, 30c each; \$2.50 per 10; \$20 per 100.

ELMER D. SMITH & CO., Adrian, Mich.

Geraniums, 10,000 S. A. Nutt, good strong 4-in. in bud and bloom; we are sure this stock will please you at \$8 per 100. Cash with order please. Frank Felke, 828 Ridge Ave., Wilmette, Ill.

Geraniums, standard sets, strong plants, well grown, 4-in., \$8 per 100; 3-in., \$6 per 100. Jus. Jackson, Kalamazoo, Mich.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Geraniums, Mme. Sallerol, 2 1/4-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, Nutt, and 5 varieties 3-inch, my selection, \$6 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, S. A. Nutt, 4-in., \$7 and \$8; 3-in., \$5 per 100. Beaute Poitevine, 3-in., \$6 per 100. Otto J. Hembreiker, Lincoln, Ill.

Geraniums, R. C., \$1 per 1,000, Nutt, Poitevine, Ricard. A. M. Herr, Lancaster, Pa.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, Henry M. Robinson & Co., 46 W. 26th St., New York.

HARDY PLANTS.

Hardy garden pinks, "Homer," double clove pink, field-grown flowering clumps, \$4 per 100; in 1,000 lots, \$38 cash. Stevens' Gladioli Company, Saginaw, Mich.

Hardy pinks, field clumps, \$2 per 100. Sweet williams, field clumps, \$3 per 100; \$25 per 1,000; small plants, 50c per 100; \$3.50 per 1,000. J. C. Schmidt, Bristol, Pa.

HARDY PLANTS.

Hardy Native Ferns and Plants. Catalog for asking. L. E. Williams, Exeter, N. H.

Hardy perennials. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangeas for summer flowering, 11-in. pull-tubs, 5 to 6 loads, \$1 each; 12-in. Riverton tubs, 8 to 10 loads, \$2.50 each; 14-in., 10 to 12 loads, \$3.50 each. Jeanne d' Arc, 0-in. pots, 25c each; 10-in. pull-tubs, 75c. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

English ivy, 2 1/2-in., \$3 per 100. The Good & Reese Co., Springfield, O.

English ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Harburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the Valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MOONVINES.

Ipomea grandiflora, 2 1/2-in., need a shift, \$3.00 per 100. Wonseller Greenhouses, Bryan, O.

MUSHROOM SPAWN.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

NURSERY STOCK.

Hardy Native Ornamental Stock. Catalog for asking. L. E. Williams, Exeter, N. H.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, ornamental trees and shrubbery. The Wm. H. Moon Co., Morrisville, Pa.

Evergreens. D. Hill Nursery Co., Box 404, Dundee, Ill.

ORCHIDS.

Orchids, cattleyas, dendrobiums, Cypripedium insigne, pans, pots and baskets of 4 to 12 bulbs, 50c to \$1 each. A. J. Binley, Glens Falls, N. Y.

Orchid of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, H. Stanley, Sandcross Lane, Reigate, England.

Orchids, Cattleya and Laelia Aneaps. G. L. Freeman, Wellfleet, Mass.

Orchids, Carrillo & Baldwin, Mamaroneck, N. Y.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Phoenix Canariensis and Areca Sapida. For prices see advertisement elsewhere in this issue. The Kentia Nurseries, Santa Barbara, Calif.

Cycas stems, dormant, 50 lbs., per lb., 10c; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs. and up, 7 1/2c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock Co., Wyncoate, Pa.

Palms, McHutchison & Co., 17 Murray St., New York.

PANSIES.

150,000 pansy plants, fall transplanted, best strains, in colors or mixed, \$2.25 per 1,000. Strong seedlings, \$1.25 per 1,000. Cash with order. Henry Greene, Ft. Hamilton Ave. and 2nd St., Brooklyn, N. Y.

Pansies, 60,000 large stocky (Sept. transplanted) field-grown blooming pansy plants. Henry Mette's strain, \$1 per 100; \$10 per 1,000. Cash. The Brill Celery Gardens, Kalamazoo, Mich.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, guillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, \$2.50 per 1,000. Elmer Rawlaga, Olean, N. Y.

PEONIES.

Peonia, good strong divisions in mixed varieties, 5c. The Mosbæk Greenhouse Co., Onarga, Ill.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, \$3 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash, please. Rober & Radke, Maywood, Ill.

Poinsettias, 2 1/2-in., \$5 per 100; \$45 per 1,000. Extra strong plants, \$5.50 per 100; \$50 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

PRIVET.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 in., 3c. The Dinee & Conard Co., West Grove, Pa.

RHODODENDRONS.

RHODODENDRONS. Fine, hardy hybrids and Catawbiense, full of bud, \$1 to \$2.50 each. Can supply in quantity. Wagner Park Conservatories, Sidney, O.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 18 to 24 in., 8 to 12 buds, 75c each; 24 to 30 in., 12 to 16 buds, \$1 each; 30 to 36 in., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 in., named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

ROSES.

CHOICE ROSE PLANTS.

	Per 100	Per 1,000
American Beauties 2 1/2 in.	\$6.00	\$50.00
Pink Killarney 2 1/2 in.	4.00	35.00
White Killarney 2 1/2 in.	4.00	35.00
Richmond 2 1/2 in.	3.00	25.00
Jardine 2 1/2 in.	3.00	25.00
Uncle John 2 1/2 in.	3.00	25.00

WILTOW BROS.,

Ready Now, Order Early. 162 N. Wabash Ave. Chicago

ROSES—ROSES.

Richmond, 2-in. pots \$35.00 per 1,000
Kaiserin, 2-in. pots 35.00 per 1,000
Mrs. Aaron Ward, 2-in. pots 10.00 per 100
Melody, 2-in. pots 10.00 per 100

SALVIA splendens, 2-in., pots, \$2.00 per 100; 3-in. pots, \$3 per 100.

Cash with order.

J. HENRY BARTRAM, Lansdowne, Pa.

ROSES.

	2 1/2-in.	3-in.
American Beauties	\$6.00	\$8.50
Bride	3.50	6.00
Bridesmaid	3.50	6.00
Ivory	3.50	6.00
Uncle John	3.50	6.00
Richmond	4.00	7.50

GEO. A. KUHLE, PEKIN, ILL.

Roses, 2 1/2-in., Am. Beauty, \$4.50 per 100; \$40 per 1,000. White Killarney, Pink Killarney, My Maryland, \$5 per 100; \$40 per 1,000. Perle, Richmond, \$4 per 100; \$30 per 1,000. Bench plants: Am. Beauty, \$5 per 100; \$45 per 1,000. Pink Killarney, Killarney, Perle, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

Roses, Killarney Queen, and Dbl. White Killarney, grafted, \$30 per 100; 250, \$70; \$250 per 1,000; own roots, \$25 per 100; \$2.00 per 1,000. Richmond, grafted, \$15 per 100; \$120 per 1,000; own root, \$7.50 per 100; \$60 per 1,000. Mrs. Taft, own roots, \$7.50 per 100; \$60 per 1,000. Radiance, own root, \$7.50 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

ROSE PLANTS.

American Beauty 3-in.....	Per 100	Per 1,000
Pink Killarney, 2 1/2-in.....	\$5.00	\$45.00
	4.00	35.00

BENCH PLANTS.

Pink Killarney, 1-year-old.....	\$4.00	\$35.00
Asparagus Plumosus, 1-year-old.....	4.00	35.00

102 N. Wabash Ave., Chicago.

19,000 ROSE PLANTS Bride, Pink Killarney and Richmond. MAKE US AN OFFER on the whole lot or part and if it sounds good they are yours. They are all fine, healthy bench plants, but must be sold at once to make room for our new Rose Wilhelmina. A bargain for some one. Grab it now. HOERBER BROS., Des Plaines, Ill.

CHOICE ROSE PLANTS.

2,000 Richmond, 2 1/2-in.....	Per 100	Per 1,000
1,500 Melody, 2 1/2-in.....	\$8.00	\$60.00
1,000 My Maryland, 2 1/2-in.....	8.00	60.00

SINNER BROS.

82 E. Randolph St., Chicago, Ill.

Roses, bench Beauties, \$5 per 100; \$40 per 1,000. My Maryland, 2 1/2-in., \$4 per 100; \$35 per 1,000. Pink Killarney, White Killarney, 2 1/2-in., \$4 per 100; \$35 per 1,000. Mrs. Taft, 2 1/2-in., \$6 per 100; \$50 per 1,000. J. A. Budlong, 82-86 E. Randolph St., Chicago.

Roses, grafted, Mrs. Aaron Ward, \$12 per 100. White Killarney, \$12; Rhea Reid, \$12. Perles, own roots, \$3.50 per 100; 2 1/2-in. pots, \$30 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, Mrs. Taft, 2 1/2-in., \$6.50 per 100; \$60 per 1,000; 3-in., \$8 per 100; \$75 per 1,000. Welland & Risch, 154 N. Wabash Ave., Chicago.

Roses, Killarney and White Killarney, 2 1/2-in., \$5 per 100; \$45 per 1,000. Castle Grove Greenhouses, Dansville, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Pochlmann Bros. Co., Morton Grove, Ill.

Roses, Ramblera, hybrid teas, hybrid perpetuals, dwarf polyanthas, Standards and half standards, Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

ROSES. Send for New Trade List just out. THE CONARD & JONES CO., West Grove, Pa.

Rosca, Eastern Nurseries, 1090 Centre St., Jamaica Plain, Mass.

Rose Radiance, 2 1/2-in., \$1 per doz.; \$6 per 100. The Good & Reese Co., Springfield, O.

SALVIAS.

Salvias, strong 2 1/2-in. plants, 2c. Cash. Gus. Schlegel, Olney, Ill.

SEEDS.

SOW NOW If you want them for early Spring sale.

Begonia Bedding Queen, finest pink	2.50	\$0.50
" Gracilla luminosa, finest red	2.50	.50
" Triumph, finest white.....	2.50	.50

O v. Zangen, Hoboken, N. J.

Seeds, larix, pinus, cinnamon, abies, melia, etc. T. Amemiya & Co., 220 Clement St., San Francisco, Calif.

Seeds, watermelon and muskmelon. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, sweet peas. Burnett Bros., 72 Cortlandt St., New York.

Seeds, spectatlea, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurst, Mullica Hill, N. J.

The Supreme Authority
**WEBSTER'S
NEW INTERNATIONAL
DICTIONARY - THE MERRIAM WEBSTER**



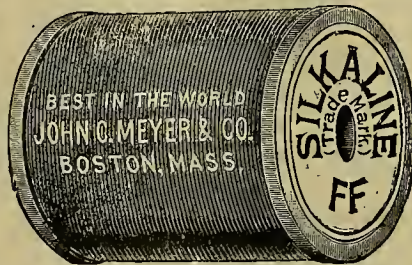
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It defines over 400,000 Words; more than ever before appeared between two covers. 2700 Pages. 6000 Illustrations. Cost \$400,000. It is the only dictionary with the new divided page. A "Stroke of Genius." It covers every field of thought, action, and culture; an encyclopedia in a single book. Type matter equivalent to that of a 15 volume set.

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The Meyer Green Silkaline

The Best Thread on The Market for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

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THE LOWELL THREAD MILLS.

SMILAX.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlins, Olean, N. Y.

STRAWBERRY PLANTS.

Strawberry plants, Senator Dunlop, \$2.50 per 1,000. Mosbak Greenhouse Co., Onarga, Ill.

VEGETABLE PLANTS.

TOMATOES—Stone, Beauty, Champion, Ponderosa, strong transplanted plants, \$2.50 per 1,000. Ready May 1.

CELERY—White Plume, Golden Self-Blanching, strong transplanted, \$2.50 per 1,000. Ready May 1.

SWEET POTATOES—Early Yellow Jersey, \$1.00 per 1,000. No order accepted for less than 5,000 lots. Ready May 15. Cash with orders. Henry Greene, Ft. Hamilton Ave. and 2nd St., Brooklyn, N. Y.

Early Jersey Wakefield Cabbage plants, \$1 per 1,000, fine plants; selected atock, \$2 per 1,000. Grand Rapids lettuce plants, \$1 per 1,000. DANVILLE FLORAL CO., Danville, Ill.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. Sluis Seed Store, 544 W. 63rd St., Chicago.

VERBENAS.

Verbenas, mammoth white purple, Defiance, Mayflower, 60c per 100, separate colors. Gigan-tea, mixed with white eye, very fine, 75c per 100. Rober & Radke, Maywood, Ill.

Verbena Mammoth mixed, strong 2-in., 2c. Cash. Gus. Schlegel, Olney, Ill.

VINCAS.

Vinca variegata, 4 and 5-in., 6, 8 to 10 long atreamora, fine plants, 12c each. Cash. Gus. Schlegel, Olney, Ill.

Vinca variegata, extra strong grown at edge of benches, 2 1/2-in., 3c; 3-in., 6c; 3 1/2-in., 8c; 4-in., 10c. Cash, please. Heint's Greenhouses, West Toledo, Ohio.

Vinca variegata, extra strong, 2 1/2-in., \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinca, rooted cuttings, very strong, \$1 per 100; \$8 per 1,000. Prepaid. O. Humfeld, Clay Center, Kans.

Vinca, new golden (minor aurea), 3-in., \$2 per doz.; \$15 per 100. Wm. Tricker, Arlington, N. J.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillabury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillabury, Galeaburg, Ill.

FERTILIZERS

Canadian Unleached Hardwood Ashes, best fertilizer in use, \$11 per ton. Geo. Stevens, Peterborough, Ont.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe Stems, about 6 feet; per 100, 80c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
 Sample free For sale by dealers.

Boilers OF HIGH GARDE..

For GREENHOUSES

See Our Catalogue.

Steam, and Hot Water **GIBLIN & CO., Utica, N. Y.**

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES.

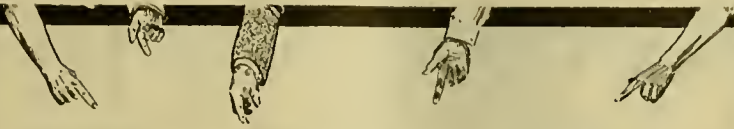
527 Plymouth Place, CHICAGO

The Castle Automatic Circulator.

Some years ago a small party of prominent men went out to Dorchester, Mass., to see a test of the (then) new Castle automatic circulator. We were fortunate enough to receive an invitation and be one of the party. The construction of the machine then was somewhat different than it is now. On the shaft to draw the water, working in the cylinder, was a contrivance like an auger. The shaft was propelled by a one-eighth h. p. electric motor. The house was 200 feet long with 2-inch pipes and the temperature of the water in the returns was 80° lower than that in the flow, and in eight minutes after turning the switch the difference between the temperature of the flow and return pipes in the boiler room was only some 5°. The circulator having forced the water through the boiler and sent it spinning through the house with the result mentioned. In the new circulator there is a regular propeller which has more drawing power than the old one. A hinged balanced valve is another addition, the water instead of going through the cylinder of the machine, goes straight through, thereby saving two bends. When the power is off the valve lies flat, but the moment the power is turned the valve rises and the water is drawn through the propelling chamber.

The operation of the machine is not expensive and the saving on coal can be readily seen by any one. Friction is one of the drawbacks in hot water heating, especially in small pipes, and where a pipe sags a pocket is formed and the circulation is then sluggish. This machine remedies all these, and there is no waiting for the water to boil before getting the pipes hot. The slower the circulation the more coal and the more heat wasted and sometimes violent language added on top of that. The speed of the machine can be regulated by the size of the wheel on the shaft. If run by electricity the switch can be placed anywhere. In Power, issue of March 26, 1911 this circulator is given editorial mention, with illustrations, and when an engineering paper of such prominence is willing to extol the mechanical side it must be all right and the operation of the machine must be satisfactory. Many of the florists with kinks and troubles in their hot water systems have solved the problem by using this machine, and from the knowledge we have obtained, we gladly recommend it.

MAC.



Which Shall It Be?

CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers' profits), OR

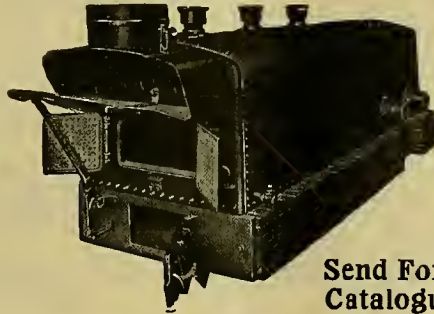
KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers' profits).

WHAT THE USERS SAY:

Kroeschell versus Cast Iron

I have one of your new 1910 model Kroeschell Boilers, and same has proven very satisfactory. We have no trouble to keep temperatures in the coldest weather. We fire once or twice during the day and once at night and have had the best satisfaction I have ever experienced in a boiler. Formerly I had two cast iron boilers; one cracked, and I took both of these boilers out. My coal bill with the cast iron boilers ran from \$195.00 to \$207.00 per season during the past seven years. This year, with your boiler and soft coal, my coal bill was only \$103.00, and I still have some coal left. Your boiler is the best and cheapest on the market, not alone for the price, but also in fuel saving. I am very glad that you are so well known in Buffalo, N. Y. I have never heard anything but praise, in which I join heartily. Wishing you every success, I remain,

MAX BUEHLER, Forks, N. Y.



NOT
CAST
IRON

NOT
CAST
IRON

Send For
Catalogue

WHAT THE USERS SAY:

Cast Iron Boilers Waste Fuel

The No. 4 Kroeschell Boiler is heating 10,000 sq. ft. of glass—it would take care of 13,000 sq. ft. easy. Have no trouble to keep temperature of 50 and 60 degrees in coldest weather. The Kroeschell Boiler has given perfect satisfaction. We had two cast iron boilers which never did the work at their best when the greenhouses were new. According to our experience with the Kroeschell, we will save 20 to 25 per cent of fuel.

HILD BROS., Lake Forest, Ill

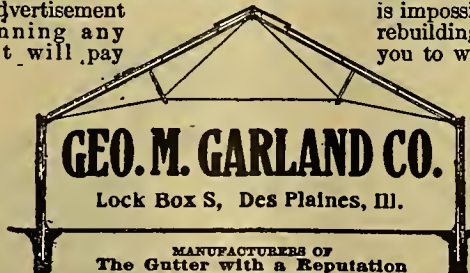
KROESCHELL BROS. CO., 452 W. Erie St., CHICAGO

To Tell All the Good Points of Our Construction

in this advertisement
are planning any
tions, it will pay

is impossible. If you
rebuilding or addi-
you to write us.

TRUSSED
SASH BAR
AND
IRON FRAME
HOUSES



CONCRETE
BENCH MOULDS
AND
GREENHOUSE
APPLIANCES

GEO. M. GARLAND CO.

Lock Box S, Des Plaines, Ill.

MANUFACTURERS OF
The Gutter with a Reputation

H. BAYERSDORFER & CO.



Florists' Supplies.

129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES.

We Manufacture all Our
Metal Designs, Baskets, Wire Work,
and Novelties, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.



Don't Be Spider Trapped It Tangles You Up.

Terse Talk No. 7.

THESE are two kinds of folks:
(1) One kind stands firmly by the real good there is in a thing, no matter how old it is.

(2) The other kind is always ready to try any new fangled thing that comes along, the newer the better.

Number One spends precious little money that don't count twelve for him. He sort of keeps to the middle of the road—neither hangs on to the old too long, or is too hasty to grab at the new. His neighbors say "he has a long head"; they probably know.

Number Two is always keen to spring something new on you; he wants to be considered the leader in things; he is perfectly willing to try out any new construction that any greenhouse peddler has to offer him. First thing you know he is all tangled up because making an experiment station out of himself on a large scale hasn't paid. It never can pay.

The "show me" kind of men "from Missouri" are the safest, surest kind. They may be a little slow to start, but when they do start, they are **thoroughly ready**.

If you are "from Missouri," we want to talk with you about our Cantilever System of supporting Iron Frame houses. It's an old engineering principle applied in a new way. Send for catalog.

Next Week's Terse Talk—
"Not So Much Engineering,
But More Common Sense, Is What You Want."

Hitchings & Co.

Elizabeth, N. J.

New York Office:
1170 Broadway.

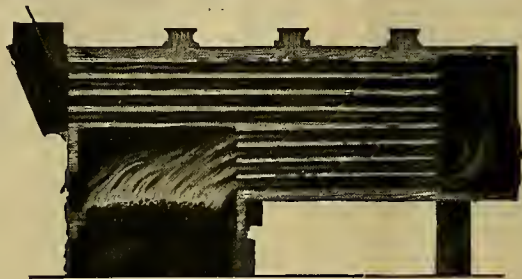
"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating
J. Jaeger, a User, Says This About
a No. 5 Superior Boiler :

CHICAGO, ILL., March 12, 1912.

SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.
Yours truly, [Signed] J. JAEGER, 7554 Barton St.



SEND FOR CATALOGUE

Superior Machine & Boiler Works
846-848 W. Superior St., CHICAGO, ILL.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.
Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.,

Mention the American Florist when writing

Use our patent
Iron Bench
Fittings and
Roof Supports



IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Fifth and Berk Streets.

PHILADELPHIA.

VENTILATING
APPARATUS



Flower Colors

Use our COLOR CHART in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

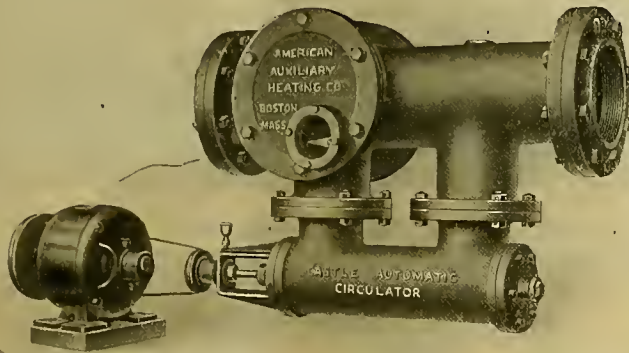
CHICAGO.

*Do some of your greenhouses
"refuse to heat?"*

Or do some parts heat with exasperating slowness, endangering the growth of your plants?

IF SO, YOU NEED A

Castle Automatic Circulator



If your greenhouses are not heated perfectly, ask us to help you out.

- ☐ It quickly forces the hot water to the uttermost parts of the system.
- ☐ It corrects errors in piping without expensive alterations and without putting additional pressure on your system.
- ☐ It reduces the coal bill.
- ☐ By speeding up the circulation, more water flows through the piping, more heat is taken from the fire, and more heat units are actually used for heating your houses.

American Auxiliary Heating Co.

6 Beacon St., Boston, Mass.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
The A.T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

Mention the American Florist when writing

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F.O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

KING

The Kind You Have Longed For
Light, Strong and Lasting

You cannot afford to build any other kind, for they bring the desired results, and are good houses

For a Long time.

The difference in cost between the best and cheapest is hardly worth considering for the cost of Glass, Heating, Benches and Erecting is the same for the best or worst.

Write for Bulletins and Question Blank.

King Construction Co.

Head Office and Works: N. TONAWANDA, N. Y. Eastern Sales Office: No. 1 Madison Ave., New York

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Boynton Furnace Co.
SOLE MANUFACTURERS OF
BOYNTON'S
WATER and STEAM BOILERS
FOR HEATING ALL KINDS OF BUILDINGS
Especially Adapted to Heating Greenhouses

New York { Chicago } Jersey City
 { 131 W. Lake St. }

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HAMMOND'S SLUG SHOT WORKS, FISHKILL-ON-HUDSON, N. Y.

Aphine

The Insecticide that kills plant Lice of every species

The insecticide that makes good. Will destroy green, black, white fly, red spider, thrips, mealy bug, brown and white scale, and all soft bodied insects. It is an oil and nicotine composition, used as a spray. \$2.50 per gallon—\$1.00 per quart.

FUNGINE

An infallible remedy for mildew, rust, soil fungi and other blights affecting flowers and vegetables. It is a sulphur preparation which does not stain the foliage, and is proving successful where Bordeaux mixture and lime and sulphur fail. \$2.00 per gallon—75c per quart. These products are readily soluble in water, used as a spray, at strength as per directions on cans, and are equally effective in the greenhouse, and in the garden.

Sold by Seedsmen.

Manufactured by
Aphine Manufacturing Company
MADISON N. J.
M. C. EBEL, Gen'l Mgr.

Mention the American Florist when writing

Green Flies and Black ones too
are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOHOFF CO., MOUNT VERNON, N. Y.

D. D. Johnson's Celebrated EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

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United Fertilizer Company
Manufacturers

143 North Wabash Avenue

Chicago, Ill.

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NIKOTEEN APHIS PUNK

The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. Full pint bottles, \$1.50.

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. ALL SEEDSMEN.

Prepared by THE NICOTINE MFG. CO.,

St. Louis, Mo

Mention the American Florist when writing

Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag
Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
713 1st. Ave., New York

Mention the American Florist when writing

Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.



Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequaled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago

Richardson Greenhouse Boilers

HOT WATER AND STEAM

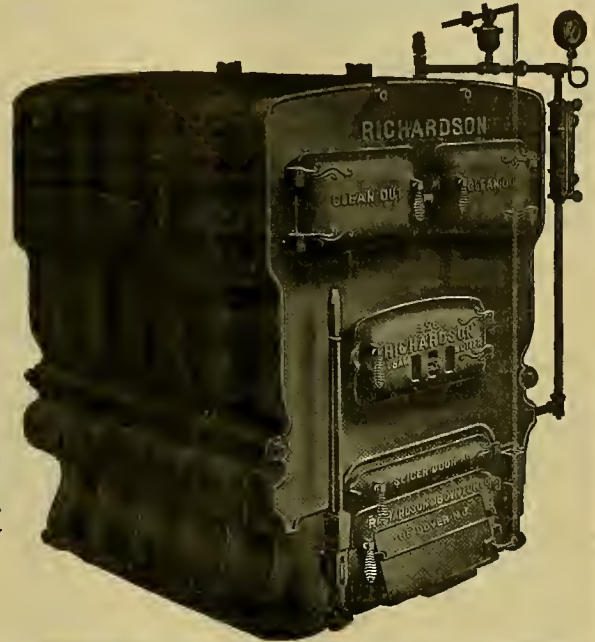
Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities



Guaranteed Ratings
Economy
Ease of Management

Send for
Catalogue
and Prices



Established 1837.

Richardson & Boynton Co.

MANUFACTURERS,

31 West 31st St., NEW YORK

66 East Lake St.,
CHICAGO.

51 Portland St.,
BOSTON.

1107 Arch St., PHILADELPHIA.



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind
Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cypas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Mention the American Florist when writing

Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

Please mention the American Florist when writing

CUT FLOWER AND DESIGN BOXES
All Sizes LOWEST PRICES
 Send for Catalogue
C. C. POLLWORTH CO.
 MILWAUKEE, WIS.

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO
Mention the American Florist when writing

— BURNED CLAY —
Tile Benches and Tile Bottoms
 Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides

THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

Mention the American Florist when writing

GORHAM & CHAPLINE PRINTERY

Close Prices on all Kinds of Printing. Pontiac Bldg., Harrison & Dearborn Sts., Chicago

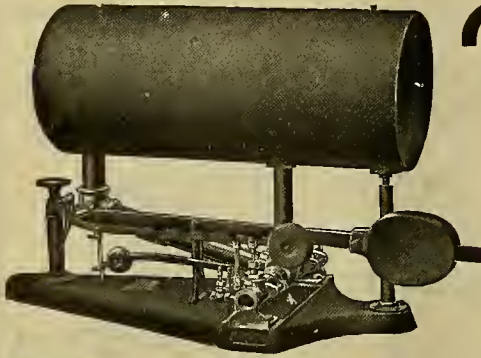
1000 Letter Heads..... } \$3.50
1000 Envelopes..... }

Mention the American Florist when writing

THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings, being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

The National Florists' Board of Trade, 56 Pine St. NEW YORK

The Early Advertisement Gets There



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried—

New York
Chicago

Wichita, Kan.
New Orleans, La

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

The Mastin Automatic White-wash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.



Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.

3124 West Lake St. CHICAGO, ILL.

Mention the American Florist when writing

THE STANDARD

VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is using a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

Peerless Refrigerators

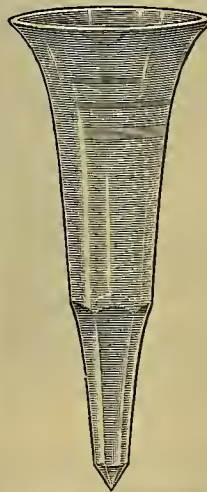
Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe



Clara Cemetery Vase

MADE OF SOLID MOULDED GLASS

12 inches high, with wide flaring mouth. Can be supplied in green or white. Doz., \$2.50; barrel of 3 doz., \$6.00, f. o. b. Chicago.

Vaughan's Seed Store

CHICAGO:

31-33 W. Randolph St.

NEW YORK:

25 Barclay St.

SUPERIOR QUALITY

SINGLE AND DOUBLE

PROMPT DELIVERY

Greenhouse Glass

Be Sure To Write Us For Prices Before Placing Your Order.

BAUR WINDOW GLASS CO., Eaton, Ind.

Mention the American Florist when writing

Burnham Boilers Best

Lord and Burnham Co.

Factories:

Irvington, N. Y.
Des Plaines, Ill.

Sales Offices:

New York,
Boston,
Philadelphia,
Chicago.



Raffia

For Florists' Use

We are positively headquarters for two best grades, Bales or Ten Bales

Write today for prices.

VAUGHAN'S SEED STORE
New York Chicago

Mention the American Florist when writing

BUDDING KNIFE FREE. See Page 936.

Concrete or Cement Benches

Those who are contemplating the construction of concrete or cement benches for their greenhouses and wish to build same at less cost than with the use of pecky cypress, should communicate immediately with **E. H. Hunt** for he will gladly furnish all information and furnish you with a valuable booklet free.

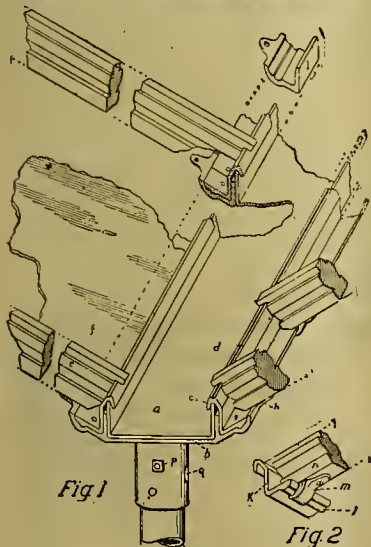
E. H. HUNT

131 N. Wabash Avenue, :: CHICAGO

Metropolitan Material Co.

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See Page 936.

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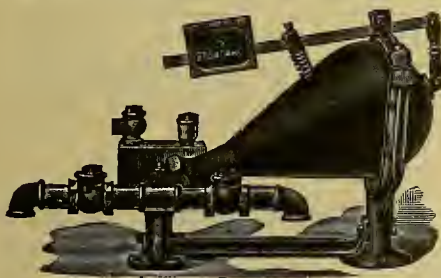
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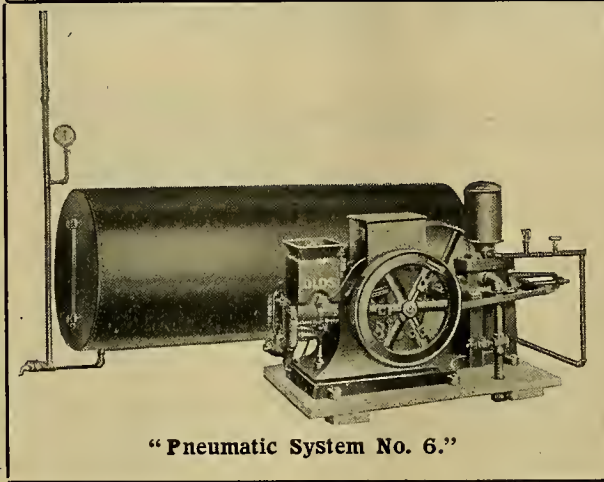
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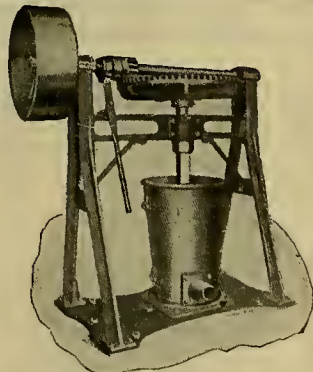
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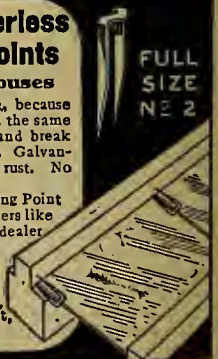
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THE AMERICAN FLORIST



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Vol. XXXVIII.

CHICAGO AND NEW YORK, MAY 18, 1912.

No. 1250

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TWENTY-SIXTH YEAR.

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SUGGESTIONS FOR MEMORIAL DAY. ✓

The Observance of the Day.

The last floral day of the yearly season for the florist is Memorial day, May 30, and to the retailer this means a much larger amount of labor for the same return than on any other floral holiday, for where much of the trade at Christmas and Easter is in plants and cut flowers, a large proportion of the sales at Memorial day are for flowers arranged in designs and bouquets. To the grower, Memorial day is one of the best of the year for there is not only a demand for all that can be produced and at a good price, but the expense of growing is comparatively small in comparison to that of other large flower days, for the coal bill is almost at the lowest figure and the labor expended in wrapping is almost nothing. Yet both the grower and retailer must be fully prepared to meet this great demand which will necessitate not only a large supply of flowers but also a great quantity of supplies and accessories for which there is always a large sale.

While the selection of one day in the year which was to be observed in memory of the dead by decorating their graves with flowers originated with those who desired to commemorate the deeds of the soldiers who gave their lives in the great civil war fifty years ago, yet it has been adopted by the general public, and in many places the cemeteries are covered with flowers by the relatives and friends of those who have departed. The publication of the war stories by the public press during the last year has attracted the attention of the younger generation to that great conflict and inculcated a respect for the few veterans of that war that are left, and Memorial day, notwithstanding its general observance, is regarded as the day of the Grand Army of the Republic and last year was more extensively observed than ever before in many sections of the nation, and without question this will be increased this year.

It has often been remarked that the observance of the day is much more general in some sections of the country than in others, especially in New England, where the demand for everything

in flowers is almost impossible to fill, notwithstanding the large supply. This may be perhaps somewhat accounted for by the intense feeling throughout that section before and during the war which has been handed down by fable and anecdote and the official observance of the day by state and municipalities which devote the day by proclamation, making it a legal holiday, and appropriation of money to assist the Grand Army of the Republic in holding processions, having orations, and in decoration of the graves. In some cities and towns a large proportion of the populace attend the services which are held at the cemetery and everybody decorates their family burial lot and the graves of their relatives.

Bouquets and Sprays.

While there is always a large demand for cut flowers which are taken by the purchasers to the cemetery and arranged, yet as a rule the greatest call is for bouquets and sprays which are placed upon the graves. Those that have provided themselves with vases at the cemetery generally prefer the round bouquet while those not having these will purchase the flowers in spray form, that they may lay them on the grave or fasten them to the monuments. Many of these will be of low price and it is necessary that a large quantity of the cheaper flowers be employed, but generally there is some outside stock, such as lilacs and shrubbery, flowers that can be advantageously used for filling up the bunch. The demand will naturally be in both bouquets and sprays for something that is rather showy and not for the more select flowers and smaller work, as it is the desire of the purchaser to make as good an effect as possible at a distance and not for close inspection. The greenhouses in some cities that are located at the entrance or near the cemeteries do an immense business in bouquets and sprays, the number sold reaching into the thousands and the force frequently has to work all night arranging bouquets. While there are many of them low in price, the majority being one and two dollars each, yet where such a quantity

is sold and the necessary stock obtained, the trade, although it entails much labor, is very remunerative. Large quantities of roses, carnations and late bulbous stock are used as well as the cheaper greenhouse flowers such as stocks, spirea and candytuft, and the size of the sprays is increased by the liberal use of green and lilac. Spirea Van Houttei, deutzia or any outside stock that is procurable. Peonies are one of the flowers, par excellence, and when the season is far enough advanced to procure them in large numbers at fair value, large quantities are used, for they make an admirable display. But the florist is not restricted to any of the several flowers, for everything that is in bloom can be adapted to their use. The outside stock is sometimes quite unsatisfactory, especially if the weather is warm, on account of its wilting, but this can be overcome to a great degree if it is picked the day before and allowed to stand in deep jars of water overnight in a cool place, thereby becoming well filled with moisture. A large supply of greens is necessary, hardy ferns to back the sprays or finish the bouquets, and as well to fill in, and quantities of asparagus, both *A. plumosus* and *A. Sprengeri* are used. Another green that is very useful is the foliage of *Spirea Japonica*, the bright shiny leaves adding materially to the work.

Floral Designs.

While the florist will probably have demands for many different floral designs, yet the wreath is by far the one most desired for Memorial day. Crosses are often ordered and pillows are also the design selected by some for Memorial day, but the wreath is adapted for so many locations that it is always, next to the bouquets and sprays, the most popular floral design. Floral wreaths can be made of all the flowers of the season, depending greatly upon the price obtained, but the dealer must be prepared to arrange them at all prices, many desiring this arrangement for they can be used to fasten upon the monument, lay upon the grave or stand upon an easel. The several green and colored leaves are used in large quantities on this occasion; the galax, both green and bronze, can be made up in beautiful arrangements; the magnolia leaves also are to be had in green and bronze and these make one of the richest wreaths when nicely arranged. Another green that makes up in artistic work is the leucothoe and the cycas fronds are beautifully adapted for backgrounds or intermingling with flowers or other foliage. These prepared and natural leaves have the great advantage of standing the rigors of the weather, whether hot or stormy, and lasting in fine condition a long while. A spray of flowers on one side of these foliage wreaths are a great ornamentation, and can be made so as to please the most fastidious customer. Our illustrations show what beautiful work can be arranged by combining the leaves and flowers.

Bedding and Other Plants.

The floral work for Memorial day is not nearly as large in some localities as is the plant trade. In the northern sections of the country the last of May is too early for the setting out of many bedding plants, but throughout the intermediate and southern sections all the plants ordinarily used for beds can

safely be transplanted outside, and the demand for these is exceedingly large. The dealer must be fully prepared to meet the call, but of one thing he must be assured, and that is that the plants must be in bloom. At this time the lot owners will desire that the beds make a fine showing. While it is possible at other times to sell plants enough to fill the bed with a few in flower and the rest showing bud, in the beds set out for Memorial day the customer will desire all the flowers possible, and the promise of a beautiful showing later will be of no avail. Geraniums will probably be in greatest demand and the popular varieties *S. A. Nutt*, *Alphonse Ricard*, *Beaute Poitevine* and *Mme. Buchner* will in many cases be far short of the demand for plants in bloom. Pansies are another flower that are used largely in cemeteries and these are particularly adapted for



A Standing Wreath of Roses and Lilies.

planting in beds that are shaded by trees, but to make a pansy bed last through the season they must be planted in such a location and not in the full sun, and arrangements must be made to keep the bed watered through the warm weather and attention given the bed as far as picking off the old flowers and seed pods or the plants will go out of bloom, and the beds, instead of being a thing of beauty, will be a blot on the lot. *Echeverias* are used extensively in some cemeteries and they are especially adapted to warm and dry locations and require but little attention, and the other bedding plants such as coleus, *alternantheras*, *heliotropes* and stock suitable for small beds, will be in great demand. A plant that the dealer having a good cemetery trade must always have in supply is grave myrtle, *Vinca minor*. This plant is used in great quantities all over the country to plant over graves and when once established makes a very ornamental feature on a cemetery lot and does not require any great attention. Urns and vases are popular with many who can give them the necessary attention throughout the summer, or in cemeteries where perpetual care is the rule and these will be attended to by the help. If these are

not given the proper care, however, they are never satisfactory. Vines are a necessary stock for the dealer having vases to fill. *Vinca major* and English ivy are the two best and the other vines so freely used in window boxes and vases are also in much demand. One necessary feature which the dealer should impress upon the mind of those ordering vases or urns filled is the replenishing of the soil with good live compost; it is useless to suppose that plants set out in exhausted soil in the hot sun and whipped by the wind can survive and be ornamental.

The plantsman will surely have demand for specimen plants to place upon the lot or plunge in the ground at the base of monuments or foot of the graves, and there are some beautiful plants at this time that can be used for this purpose. The hydrangeas are particularly suited and they make a grand show. The rambler roses are also fine plants and can be easily bloomed at this time. For cheaper plants the spireas are adapted and are very satisfactory. There is one thing in selling these plants that should never be neglected and that is that the plants be given a good soaking of water before leaving the greenhouse, and if this is attended to properly the plant will be in good condition when the lot owner visits the cemetery on Memorial day, but if this is not done and the plant placed on the ground in a dry condition the chances are that it will be wilted when the purchaser sees it and a dissatisfied customer is the result. When the buyers take the plant themselves impress this necessary detail upon their mind.

Immortelle Designs.

Wreaths and other designs made of immortelles and other dried flowers are a prominent feature of the Memorial day trade with many dealers. There is one great use that the florist can make of these—they can be arranged some time before, for they will last in good condition for a long time, and a great display can be arranged in the window the week before Memorial day, which will remind many a shopper of the approach and observance of the day and induce many a sale that would not otherwise be attained. The immortelles can be obtained in several colors and very pretty combinations arranged and these flowers, as well as cape flowers, can be wired by the force during leisure moments and arranged long before any rush, and if well displayed are sure to attract attention. They can be further ornamented with the preserved *adiantum* and other vines and they will find much favor with some people. If made up in this manner they are inexpensive either as regards material or labor and will prove to be a paying investment and attract a customer who would not buy flowers on account of their being so perishable, or having to be sent a long distance with no one to take proper care of them. The metal floral work is also shown in large quantities and is popular with some people, for we have seen large numbers of the different designs in many cemeteries. Where there is a demand for this class of work the florist should have a stock on hand, for the purchasers are sure to desire it, and he might just as well obtain the sale as to leave it to some other tradesman, yet if it interferes with the sale of flowers it had better be discontinued as far as the florist is concerned, and let him devote his energies to the rightful product of his business.

Cemetery Vases.

The florist located near a cemetery will have many customers come to purchase flowers who have not beforehand provided themselves with any receptacles in which to place them. These people will always be anxious to obtain some vessel which will hold water in which they can place the flowers so that they will not immediately wilt, and if they can obtain such a receptacle so that the flowers will last so much longer it is a great satisfaction to them. We have often seen almost everything from fruit jars to pitchers pressed into service at such a time, and these people who perhaps have purchased their flowers of some other dealer or cut them from their own plants at home, will gladly purchase a suitable vase if easily procurable. A dealer so situated should have a stock of these vases on hand. They can be obtained in different materials, glass, pottery or iron, and are made very ornamental, will stand hard usage and can be bought so that they can be sold at a very moderate price. Having these on hand and making a good display of them may also materially assist in disposing of much stock for many persons will often buy when the flowers can be properly cared for who would let the matter go by default or refuse to purchase unless they had the necessary fixtures. Demands for some vase or receptacle in which to place the flowers are often made and the dealer having a Memorial day trade should have a good supply in various sizes.

Mothers' Day.

The reports of the Mothers' day trade from all sections of the country testify to the rapidly growing observance of the day and also the inadequate supply to meet the demand for white carnations. There is no question whatever that the form of observing the day by wearing a white carnation will have to be modified in some manner, for the law of supply and demand immediately causes the price of carnations to advance beyond that which the people will pay and the large majority of the public not understanding the situation immediately draws wrong conclusions and will then refuse to listen to any explanation. It is next to impossible to make the flower buyers pay from 15 cents to 25 cents for a single carnation, and where such prices are charged the day will be brought into disrepute and the trade in general will suffer injury. Some organized movement will have to be made to broaden the observance to include any and all flowers that the poor who revere the memory of mother with just as much ardor as the wealthy can afford to observe the day. This is the time to commence such a movement and the florists owe it not only to themselves but to Miss Jarvis, the founder of the day, to write to her and let her understand that they do not desire to commercialize the sentiment of Mothers' day, but in justice to all that the original idea must be modified.

The day was observed in Chicago notwithstanding that one of the worst storms of the season passed over the city and that it rained all day. This interfered to a great extent with the Sunday trade, but the retail stores all did an immense business on Saturday, the cut flower trade increasing wonderfully and the family orders were larger than usual. "A great Mothers'

day trade" is the statement at A. Lange, and an extraordinary fine business was done on Saturday. "A fine trade" was reported at John Mangel's new store in the Palmer House, and everybody was busy all day Saturday. "One of the best Saturdays we have had," says John Canger of Canger & Gormley. "A splendid Saturday business but too bad it rained Sunday," is the remark of the Alpha Floral Co.

informed the people of the day, and the call for carnations was larger than the supply and there was an increased demand for all flowers. The supply in Philadelphia did not begin to be adequate to fill the orders and the prices for carnations soared beyond reason to the buyers. The wholesale houses everywhere did an immense business, easily disposing of what stock they had. Mothers' day has touched the



WREATH OF CARNATIONS AND OTHER FLOWERS ON EASEL.

The down town trade of course felt the transient trade which is the result of Mothers' day more than the stores in the residential sections. While the governors of the state and mayor of the city omitted their annual proclamation this year, yet all the churches and many organizations held services in commemoration of mother and her labors.

The florists in many cities combined in their advertising of the day. The florists of Detroit, Mich., used the daily papers, inserting large display advertisements calling the attention of the public to the day, and the manner of its observance, stating that all florists were prepared to serve those wishing to observe the day and a great trade resulted. Cleveland florists through their advertising committee,

hearts of the people and by careful and diplomatic efforts can be made one of the most profitable days of the year.

WENHAM, MASS.—B. Hammond Tracy and wife sailed from New York, May 14, to visit the International Flower Show at London, and will also visit the continent.

CARLSTADT, N. J.—Fred Luther has acquired the florist business which Jacob H. Ullman has conducted for many years. Mr. Luther has been connected with the business for a long time.

GENEVA, O.—The Parker Floral Co. has been incorporated, secured land and will erect greenhouses near here. The incorporators are J. W. Parker of Conneaut, and his sons, Roy A., Oris and Frank B., the capital stock being \$10,000.

Grower, Wholesaler and Retailer.

Paper read by J. F. Ammann of Edwardsville, Ill., before the St. Louis Florists' Club, May 9, 1912.

The subject assigned to me for discussion at this meeting I consider one of the most important in our trade today, and I frankly confess I do not feel at all competent to do justice to one of such vital importance, yet I am always willing to give the best I have, and in the best way I can.

My experience as a grower dates back a quarter of a century. During these years I have been a close student of the various ways of marketing our products. I have often heard the grower call the wholesaler a crook, and the retailer call him a robber, but about all the wholesaler could do was to "grin and bear it" and be happy. I will now take up each branch separately, and give my observations and suggestions.

THE GROWER.

First of all comes the grower, or in other words the producer. In referring to this branch I am considering the average sized plant consisting of 50,000 to 75,000 square feet of glass. If he be one who is an exclusive grower for the wholesale market, he is all the more fortunate. The majority of plants of this size, especially those located in smaller cities, while claiming to be wholesale growers, do quite a little retail business at times; I say at times, for this is as a rule irregular, a funeral occasionally and the usual holiday demand. Now a grower so situated, and this is the position of most of us, has a much more serious problem before him than one who is exclusively a grower for market. His shipments are irregular, and for that reason his wholesaler is at a loss to know what to expect, unless he is a worthy grower who expects clean sales and will take the trouble to keep his wholesaler posted. By this I mean, when a local demand is apparent which would reduce shipments to his wholesaler, he should so notify him at once. Prospective crops for the holidays should be gone over carefully 10 days before, and every succeeding day or two estimates made, and the wholesaler notified as to progress of crops and as near as possible an estimate of just what may be expected. This work is not done for the wholesaler alone, but also for the benefit of the retailer, who is the ultimate customer of the grower, buying through his wholesaler. The principal beneficiary, however, of such prompt and careful work on the part of the grower, is the grower himself, and I venture to say right here, you show me a grower who keeps his wholesaler posted on his various crops, puts his trust in him, consigns to one firm only and regularly, growing a good average run of stock, not retailing at home for a less price than he gets at wholesale, and I will show you a grower who is making a success. On the other hand, a grower who is always in a stew about that 15 per cent commission, trying honestly to save this wherever he can, by peddling, or selling direct to the retailer all he can, under-selling this same retailer at home to further save that 15 per cent, and dumping the remnants on the wholesaler, is not only unsuccessful as a rule, but is his own worst enemy, and doing not only himself, but the trade at large an in-

justice. This, in most cases I think, is not intended to wrong anyone, or to take particular advantage of anyone, rather I dare say it is rank ignorance, and a victim of a system any trade should deplore.

The grower of flowers today is entirely too much of a retailer and wholesaler himself to be a successful grower. Look at our neighbor the truck gardener; he is very seldom a wholesaler, and rarely a retailer; let us take a lesson from him. Never mind the 15 per cent commission, dear grower. I was in conversation not long ago with the head of a large Chicago grower's firm who wholesale their own product, and he informed me that it cost them last year 12½ per cent to wholesale their product, not including any salary for the two leading members of the firm who devoted their en-



J. F. Ammann.

tire time to this branch. If your wholesaler is making money and you are not, there is a leak somewhere. This leak may be at your end; better look for it there first, anyway. If you cannot find it, ask the wholesaler to help you look for it. If he is at all deserving of your patronage he will help you, and I bet you will find it. I want to close on the grower by saying, if you cannot trust a wholesaler, do not do business with him, and if you cannot trust anybody, get out of business as soon as possible and have your mind at peace.

THE WHOLESALER.

Next to the grower comes to my mind the wholesaler. This most important individual has been lambasted by both grower and retailer ever since his first appearance in the arena. We, however, have him still with us, and I fully believe he is even more important than ever. I have no defense to offer more than that we need him and the sooner both growers and retailers fully realize this the better it will be for us all. I feel the one important duty of the wholesaler is to keep his growers advised as to market conditions, visit their plants at regular intervals, advise with them what to grow for the coming season, and be intelligently informed on general conditions about a greenhouse.

This same duty he owes to the retailer and to give them general information of the crop conditions of his growers. He should also keep in touch with their business wants, in fact as the representative of both grower and retailer, he should be in very close touch with both. Character and habits are one of the chief assets of a wholesaler. The reputation he gets without much effort on his part. While he should trust the retailer, he should be very watchful not to trust too much. I have found from observation that while the grower does not trust the wholesaler enough, the wholesaler on the other hand often trusts the retailer too much. Both extremes should be remedied.

We often hear remarks about certain growers being favorites with the wholesaler. This is quite common among growers who are not quite up with some of their more fortunate fellow growers, so this progressive individual is often called a favorite of his wholesaler. Now I venture to say, if those imposing the compliment on this so-called favorite will proceed carefully and fairly to observe the way he conducts his business, they will invariably find the kind of man I have already pictured in the previous remarks. For effect I will repeat, however. This will be the grower who does no peddling, consigns all his stock to one wholesaler, keeps him posted as to the progress of his various crops, puts his trust in him, is a good grower, and above all attends to his own business by keeping proper records on all his plants, thereby finding the leaks, and when a plant of any kind is grown at a loss, it will promptly be reduced next season, or be discarded all together. This, my friends, is my description of the favorite. Let us all try and be favorites.

THE RETAILER.

While the last on my list, this is not by far the least, of the three branches of our trade. In fact I consider each as important as the other. To the wholesaler he is a direct customer. To the grower he is an indirect customer, and I want to add here, in most instances a better customer to the grower than his so-called direct customers. The greatest injustice to the retailer is that done by the grower who sells to him at a good wholesale figure, and then under-sells him at retail, whether in the immediate neighborhood or a hundred miles away. A retailer should visit the grower whose stock he uses, frequently, and if possible in company with his wholesaler. Retailers frequently contract with growers direct for stock. It invariably happens that just when stock is very scarce, the retailer has an increased demand, his grower cannot furnish it, then he has to fall back on the wholesaler. If this worthy individual does not give him first choice and all he wants, the retailer gets on his high horse because this robber of a wholesaler was so unjust as to take care of his regular patrons first. Well, now I don't blame the wholesaler for that, do you, Mr. Retailer? Better make up your mind to expect only what is fair. And all of you, grower, wholesaler and retailer, remember we are, and always will be, of mutual benefit to each other only in so far as we are fair to each other, and then only can we expect fair treatment ourselves. So let us co-operate more and more to make our interests mutual.

Greenhouse Construction. ✓

Paper read before the Florists' Club of Philadelphia, May 7, by Montague C. Wright of Lord & Burnham Co., and illustrated with lantern slides.

The subject upon which I will speak this evening is such an extensive one that it is impossible in one lecture to touch other than briefly on the various parts and the part each of the various details play in a finished up-to-date greenhouse. Each of these parts, such as the superstructure, ventilation, plant benches, heating, etc., are capable of being considered separately. I can only cover the subject in a general way and trust that the illustrations shown, and what is said in regard to same, may prove interesting. I shall not go into the mathematics and the other various sciences, but simply present in a pictorial way the results that have been obtained and progress made in greenhouse construction during the past fifty years.

FIFTY YEARS' PROGRESS.

It is a long step from the cumbersome greenhouse of fifty years ago to the modern cobwebby structure of today. They were generally built against a high wall, the wall being on the north side. This was quite a factor in supplying heat during the night. You know how a piece of masonry will absorb heat when exposed to the warmth of the sun, and how warm it feels for a long time after the sun has ceased to shine upon it. So these high walls absorbed the heat and gave it up to the greenhouse during the night. In those days, the only method of heating was by means of stoves, or a long flue, either of pipe or masonry, extending the entire length of the greenhouse, through which heated air generated by a furnace or flue heater was attempted to be carried. This method of heating was not satisfactory for the reason that unless the flues were frequently gone over and repaired there was always the danger of their giving out, which meant a serious loss of plants damaged by the gases and fumes which would escape into the greenhouse. This arrangement of heating was also unsatisfactory, for that portion of the flue nearest the heater was naturally the hottest and the furthest end the coolest, which made it impossible to secure an even temperature throughout the greenhouse. Later this trouble was overcome to some extent by a hot water heating system arranged by placing a pipe coil inside the heater and connected by mains with heating coils placed at the coolest end of the greenhouse. Finally the flue heater was abandoned entirely and the heating accomplished altogether by a hot water heating apparatus.

Now as to the construction of the superstructure, a heavy wooden sill was placed on top of the front wall. Heavy wooden rafters were placed about three feet apart, extending from the sill to the ridge, and sash glazed with glass only six inches wide were placed in the roof. The top sash were arranged to slide down for ventilation and were operated with a system of ropes and pulleys. The crops raised in houses of this type were far from satisfactory as you can readily realize, as with the amount of wood in their construction and the narrow glass the percentage of light admitted was very small, to say nothing of the cold air admitted through imperfect construction. Later, full span houses were built of similar construction.

Mr. Lord, who was the founder of the Lord & Burnham Company, was a great lover of flowers and also a thorough mechanic. He had a small greenhouse in his yard built similar to the one just described. Mr. Lord became dissatisfied with the results obtained

and made up his mind that if horticulture was to make any progress it would be necessary to greatly improve the construction of the greenhouse, so he built himself a house which proved to be so far ahead of anything then built that his services were soon in demand among the local community.

greenhouse, and also furnished a weather-proof construction. Methods of supporting the roof members are today numerous, but they all are simply a means of making the principle stated above stable and lasting. In the early days there was no glass on the sides. Walls of brick or stone



CROSS OF WHITE CARNATIONS.

Spray of Red Carnations and Asparagus Sprengeri.

It was not long before the success attained in these new houses spread beyond these narrow limits, and the greenhouse business, as a business by itself, was launched. It has continued from that time to grow until it has reached its present proportions. The outlook for its continued expansion, improvement and stability is very bright indeed.

The principle of the construction adopted and built by Mr. Lord is the same as is universally used today, namely, building the roof as a permanent structure with ventilating sash at the ridge, built continuous or separated by one or more lights of glass between each sash. This method increased the amount of light in the

were built and the roof sprung directly from the top of these walls. The inside level of the greenhouse was generally on a lower level than the outside grade. This was done to reduce the surfaces exposed to the outside air as much as possible. Most of the houses were narrow and the plant benches were so close to the glass that it was impossible to grow plants of any size, except on the inner edge of the side plant benches and in the center benches.

The next step forward was to make the roof curved instead of straight. The roof was constructed with two radials. The lower one was about eight-foot radius, the upper forty-five feet. This gave more room for the plants

on the outer sides of the side plant beds. The glass was not bent, but short lights were used, and as the radius was large compared to the length of each light, the difficulty was solved the same as in building a curved part to a brick house with ordinary straight brick. With the introduction of hot water and steam as a heating medium, it became possible to increase the width of greenhouses, and houses of twenty feet and twenty-five feet in width became common. This gave room for center plant benches.

Next came the introduction of glass on the sides, increasing the height from the walk level to the gutter line. By doing this, it was possible to build the roof without the curve and still have room on the side benches for medium-sized plants. The masonry wall was cut down to almost grade, and wooden ventilating panels about two feet high placed on the sides below the top of the plant bench. This in a measure is an ideal way of ventilating a house where side ventilation is required, as the cool air from outside has to first pass over and around the heating pipes, which takes the chill from the air.

At that time commercial houses were built with locust posts set about three feet in the ground, four feet above and boarded up to the eaves. As the tendency towards wider houses increased and wood decreased in quality, it became necessary to find some material that would take the place of that then in use. Iron and steel as a building medium was at that time attracting attention, and to this metal attention in the construction of greenhouses was turned. Cast iron sills for capping the masonry walls were therefore substituted for the three-piece wooden sill. Iron rafters were substituted in place of the heavy wooden ones, these iron rafters are capped with wood grooved to fit over the rafters and designed to receive the glass. By covering this portion of the steel frame with wood all trouble from expansion and contraction of metal is avoided. Iron purlins were also substituted instead of wooden ones. The first iron frame greenhouses to be built were those for Jay Gould at Irvington-on-Hudson, New York. Here the cast iron sills, iron rafters and purlins capped with wood were used to support the superstructure. The principle of this construction today is still used on all iron and steel greenhouses. The details may be changed, but the principle of having the iron or steel framework on the inside of the greenhouses, while all members on the outside which receive the glass, of wood, is the same. This construction, after repeated experiments, has proved to be the most durable and suitable to our variable climate and has stood the test well.

IRON FRAME COMMERCIAL GREENHOUSES.

The next important step in the construction of commercial greenhouses was the introduction of what is known as the cast iron foot-piece construction. A post or foot-piece made of cast iron was placed in the ground about thirty inches, and to these steel rafters were bolted. The sides, up to within two feet of the eaves, were built of two thicknesses of boards, with building paper between. This made a cheap and substantial construction. Next, wooden gutters and eaves plates were dropped out and angle iron used in place of the wooden plate. The eaves plate is fully one-third smaller than the wooden one and many times as strong. It strengthened the greenhouse at its vital point. The bars and rafter caps were fastened to this angle iron with a small cast iron fitting. The eaves plate having part of its surface exposed to the inside temperature of the greenhouse

conveys the heat to the outside surfaces and to a certain extent prevents the formation of icicles on the outside. Certainly it was and is a great improvement over the wood plate, which was one of the first members in a greenhouse to decay.

Concrete and hollow tile are now being used for the sides instead of double boarding. Where hollow tile is used, it is necessary to plaster the outside and inside surfaces of same with Portland cement mortar. Then, too, the tile have to be cut, and it requires more or less time and ingenuity to use the tile to the best advantage without waste. From observation and tests it seems as if concrete made with clean cinders was the cheapest and best to use. The cinders, being more or less porous, make a concrete full of air cells which accomplishes the same results as the hollow spaces in the tile. One of the largest growers in the vicinity of Philadelphia builds his concrete walls, which are very satisfactory, with a proportion of one part cement to eight parts of cinders. The cinders he uses are nearly of a size. They are small hard cinders. His method of measuring the proportions is by using one bag of cement to four wheelbarrow loads of cinders. As I have said, this method is very satisfactory and is considered even better than stone for the sides of greenhouses because it is more porous and a better non-conductor. If stone and sand are used instead of cinders the following proportions are recommended: One part Portland cement.

During all this time the distance between the rafters has steadily increased, the wood members made smaller and the width of the glass increased. From glass six inches wide to twenty-four inches is the history, although for many reasons of economy glass sixteen inches wide has been, and is generally used. There is no perceptible difference in the amount of light in a house glazed with 16-inch and 24-inch wide glass, and the majority of the leading growers claim the growing qualities are approximately the same. Most people prefer the 16-inch as it costs less to replace a broken light, and also a tighter roof can be made with this width glass. If you examine the edge of a light of glass you will notice that the glass is wavy and not perfectly straight, so that when two lights of glass are lapped you will find that there is a certain amount of open space between the lights of glass. The wider the glass the more uneven it is.

With the light construction now used, I do not believe it makes any difference, in cases where a greenhouse is used for growing a general assortment of plants, whether a house is built facing south, east or west, providing there are no trees, hills or other objects to shade the house. The topographical conditions of the site play an important part in the location. As these usually vary in each case, each case requires individual consideration. Of course where growers desire a greenhouse for raising roses or carnations, etc., as a speciality,



WREATH OF FERNS (PTERIS) AND FLOWERS.

three parts good sharp sand and six parts of crushed stone or clean gravel. This is a very satisfactory mixture and makes good strong work. The walls need only be four inches thick and when a light cast iron sill is placed on top of same, you have a construction which is practically indestructible, and as the upkeep is small this form of construction is the cheapest in the end.

more consideration and attention is given in this direction. More sunlight is obtained by placing the greenhouse east and west, so that the sun at noon time when at its strongest, shines directly between the bars and rafters in the roof. I understand from some of the largest rose growers that it is an advantage to place the house from ten to fifteen degrees north of east in order to get the advantage of the

morning sun a trifle earlier, the morning sun being of course more beneficial than the afternoon sun, and it is an advantage to start vegetation as early in the morning as possible.

As the glass has increased in width, so has the width of the houses, so that now houses 30, 40, 50, 55, 60 and 72 feet wide are common. Some have been built over 100 feet in width, but in order to reduce the height of the ridge as much as possible, the roofs are usually designed with a very flat pitch. It is doubtful if houses as wide as this are a success unless built on a sloping ground so that the roof can have sufficient slope to properly shed the water and not have a shower on the inside of the greenhouse as well as on the outside. A pitch of 32 degrees in houses up to thirty feet in width is preferable, and from thirty to fifty feet 28 degrees have been found a good angle for roofs. Twenty-six degrees is satisfactory for houses fifty feet wide and over.

Now as to supports: Thirty-foot wide houses require no columns; 35-foot require two columns; 40-foot require two columns; 55-foot require four columns; 60-foot require four columns; 70-foot require six columns. Houses seventy or seventy-two feet wide require only four rows of columns if they are used in combination with compression trusses. There are some greenhouses constructed today in which the principle of construction is to truss the roofs, thus eliminating columns to a great extent. This would be more satisfactory if the trusses were constructed on a compression basis, but they are constructed to a large extent on a tension basis, and depend upon all members being constantly in tune, as it were. Now there is considerable vibration in a greenhouse roof and the constant movement is bound to stretch the light rods, etc., which are used in this construction. As soon as one member loses its tune it puts all the others out also, and I believe that a greenhouse constructed on this principle will deteriorate more rapidly than one supported by columns or with a combination of columns and compression trusses. Time will tell, but if you compare two houses of the same age I am sure that the house constructed on the compression principle will be in better shape than the one constructed on the tension principle.

SEMI-IRON OR PIPE FRAME CONSTRUCTION.

We have been considering what is known as the iron-frame construction. There is another type known as the pipe frame or semi-iron construction. The difference between the two is not very great, the difference being that the steel rafters are omitted in the semi-iron construction and the roof bars, etc., are supported by longitudinal purlins made of pipe or angle iron. I believe pipe is preferable for the reason that it casts the least amount of shade. These purlins are in turn supported by pipe columns. The painting and glazing in this construction are the same as in the houses where iron rafters are used. There is a slight saving in the cost of this house as the steel used is less, and the parts require less mill work. The width of the houses has been carefully calculated to use stock lengths of lumber and glass so as to minimize the amount of waste. Wider houses can successfully be built of this construction, although I would not advocate building a house of semi-iron or pipe frame construction much over forty-three feet in width. Where the house is too wide for common stock lengths the bars can be spliced to make a rigid and tight joint and are as substantial as using a one-piece bar of long length. Beyond twenty feet the lumber obtained for bars is not as good quality

as that obtained in twenty-foot lengths or less, and by using a splice plate the better stock can be used at less expense. A cast iron gutter is used between houses when it is desired to run two houses parallel and connected together. This has drip gutters cast in the sides, and a greater part of the surface of the gutter is exposed to the inside temperature of the greenhouse, thus insuring a free gutter under all conditions of weather.

IRON FRAME PRIVATE GREENHOUSES.

We have considered the two best types of commercial construction, and

called the curved eaves design. The principle of construction in this design is the same as in the straight and curved roof houses, the variation being in omitting the cast iron gutter at the eaves line, thus allowing the bars and glass in the roof being carried down to the top of a combination cast iron sill and gutter, which rests on the masonry walls. This type of house presents a very pleasing appearance, and snow and ice do not accumulate on the roof as readily as when a gutter is used at the eaves. There is very little breakage of the curved glass at the eaves and the cost of a curved



WREATH OF MAGNOLIA LEAVES, LILAC AND LILY OF THE VALLEY.

now we will take up the construction of greenhouses built on masonry walls. This is what is known as cast iron sill and gutter construction, and is generally built on private estates. The sills, gutters, rafters and purlins being iron makes a construction that is practically indestructible. The cast iron gutter forms part of the framework as well as a waterway, and is an important structural feature. These gutters are cast in lengths extending from rafter to rafter, to which they are secured with cast iron brackets, which also serve to form the joints between the various lengths of gutters. The gutters are so constructed that they serve as a support for the sash bars in roof, and for the sash, etc., at the sides. A house with a curved roof makes a practical greenhouse, and flowers can be grown in such a house just as well as in greenhouses having straight roofs. The appearance of a curved roof is very attractive and for this reason is preferred by some people, but of course the cost of same is more than the cost of a straight-roof house, as all members, including the glass, have to be bent to fit the curve of the roof. Another design of iron frame greenhouses which has of late been used considerably is what is

light costs but little more than a straight light.

METHOD OF GLAZING.

We have considered glass of various widths. Now as to the quality and method of setting same. Double thick, quality "A" glass is used almost exclusively in all houses except in vegetable houses. "B" glass is used quite extensively in commercial houses used for growing vegetables. There is no doubt that "B" glass is improving in quality and if closely inspected and the poorest lights rejected, serves very well in a great many cases. The glass in the roofs is laid with lapped joints, each lap being about one-eighth to one-quarter of an inch. In glazing curved roofs, the glass is bent to the proper radius. In glazing sashes and doors, large lights are used of sufficient size so that one light of glass will fill in the space between each division of the sash and doors. Great care must be exercised in the selection of the putty used. All first-class greenhouse builders manufacture their own putty. Putty should be made of pure kiln-dried whiting and strictly unadulterated linseed oil. In setting the glass the putty is rolled out into long pieces and laid on the shoulder of the glazing

bars. The glass is then forced or bedded into place, which pushes a portion of the putty up, filling in the small space between the edge of the glass and the sides of the bars. When painted, a tight roof is secured, and the weather and water does not affect same as it would if the roof were glazed in the manner common to glazing sash.

PLANT BENCHES.

Several forms of plant benches are used. First is a bench constructed entirely of wood. The supports are placed about every four feet apart and are constructed of two-by-four-inch lumber. The bottoms and sides are one and one-eighth inches thick. The bottom boards are placed with a ½-inch space between same, which is done to allow proper drainage, and the sides are braced with wrought iron braces. The usual depth of plant beds is six inches. In some benches the upright legs are constructed of pipe. Holes are bored into the wood crosspieces and into which the pipe legs are fitted. This arrangement closes the opening in the pipe at the top and prevents the water from getting inside and corroding the pipe. It is a very simple arrangement and costs but little more, if any, than the all-wood bench. I know of a number of florists who have used second-hand pipe for the purpose which was considerably cheaper than wooden legs. Galvanized iron pipe frame, cypress sides and bottoms, makes a very durable plant bench. The plant bench constructed with galvanized steel frames with cast iron bottoms and sides is the most durable plant bench made. The cast iron bottoms have holes, allowing proper drainage. A special tile may be substituted for the cast iron bottoms, and is preferred by some to the cast iron bottoms. The tile absorbs a certain amount of moisture, thus insuring a bed that will not dry out too rapidly. The use of solid plant beds in commercial greenhouses is rapidly taking the place of raised plant benches. Many growers plant directly in the ground, plowing the ground and working the crop the same as out of doors. Where beds are used they are not usually built over 12 inches above the grade and the soil confined with planks or light concrete walls.

VENTILATION.

For ordinary use, two lines of ventilating sash are sufficient for houses up to 25 or 30 feet in width. These are generally placed one line on each side of the roof at the ridge. Sometimes one line at the ridge on one side of the roof and on one vertical side below the eave line. Carnation growers and some rose growers use four lines—one line on each side of the roof at the ridge and one line on each vertical side of the greenhouse. Houses used for growing fruit and vegetables require four lines. The amount of ventilation necessary depends a great deal on the location of the greenhouse, also on the variety of plants or blooms grown (some plants require more ventilation than others), the size of the greenhouse and on the opinion of the owner. It has been pretty well established, however, that two lines of ventilation are necessary and at least one of them must be placed in the roof at the ridge. Where the houses are built with curved eaves, the ventilators are placed in the walls below the glass.

There are numerous types of ventilating machines on the market, but they are all constructed on about the same principle, namely, a continuous shaft of pipe or steel rod, to which are attached arms and rods, which in turn are fastened to the sash. A gear of the self-locking design and operated by hand power is arranged to turn the shaft, which communicates its power

to the arms and rods, causing the sash to open and close.

CYPRESS AND PAINTING.

All iron and wood members entering into the construction of the superstructure of a greenhouse should have three coats of paint. If possible, the first coat should be applied before the material leaves the factory, as it is then protected from the weather. After the framework is erected and before the glass is set, it should be given another coat. After the glass is set the last or finishing coat should be applied. This last coat should be somewhat thicker than the first two. Great care is and should be taken to use only pure white lead and pure linseed oil. Some zinc is added to the paint. In painting the iron work a paint especially adapted to metals should be applied for the first coat.

Clear, air-dried, cypress has proven to be the most satisfactory wood to use in greenhouse construction. It has many advantages, namely, its durability, lightness and capabilities of being easily worked.

GREENHOUSE HEATING.

The heating of a greenhouse is certainly one of the most important features. It is here that one shovels his dollars into the furnace. Too much attention cannot be given to the installation and management of the heating system. At the present time there are two mediums employed—steam and hot water. Both have advantages, but I believe it is pretty well established that heating by hot

one, or 3½-inch pipes for a system heating a small range of glass. The pipes are placed along the sides of the house, hung to the side walls or under side benches. This of course depends entirely on the arrangement of the plant benches or beds. There should always be some pipe laid through the center of the house. The number of pipes required, of course, depends entirely on the temperature required, the amount of glass surface, the extreme average outside temperature of the locality in winter, the exposed or protected situations of the greenhouse, the good or bad construction of the greenhouse itself and many other small details which are used in designing a successful and economical heating system.

If steam is used, it should be a low pressure system, as the wear and tear on the pipes should high pressure be used would be great, to say nothing of the too-intense heat generated. The boilers may be set in a cellar the level of which is considerably below the level of the greenhouse, in such cases the condensed water being returned to the boilers by gravity. If the boilers are placed on the same level as the greenhouse a pump of some kind must be used to return the condensation. It is the same with hot water. In a hot water system there are two ways employed in generating the heat. The first and one most used is to heat the water directly in a boiler and circulate same through the pipes in the greenhouse; the other is to heat the water in tanks, using exhaust or live steam



WREATH OF ROSES AND SWEET PEAS.

water produces the best results. Hot water produces a condition more like the heat generated by the sun. Steam gives a more intense heat. While steam has proved very satisfactory, it is a fact that the large florists are more and more reverting to hot water as a heating medium. If steam is used the best results are obtained from 1¼-inch pipes, and if hot water 2-inch pipes if the system is a large

to heat the water. In the latter case, the steam passes through a coil in an enclosed tank, the water surrounding the coil. The steam in the coil imparts its heat to the water, which in turn leaves the tank, circulates through the pipes, returning to the tank to be again heated.

There are two other methods used to circulate the water other than by the gravity method. One is to have an

accelerator connected to the mains. This device is simply a propeller turned by an engine of some kind. The propeller hastens the speed at which the water circulates, helps it over many declivities and returns it at a higher temperature to the boiler. The other method is what is known as forced circulation. This method requires the services of a pump of some kind. The water is heated and then forced by the pump through the pipes in the greenhouse and back to the boiler. The pump may be operated by steam, electricity or gasoline. The old-fashioned plunge steam pump is, I believe, the most reliable, but pumps driven by the other methods that I have mentioned have proved satisfactory. There are several advantages of heating by forced circulation and I believe it is the method which will be used in all large plants in the future. In the first place the size of the pipe used for the mains and heating coils can be smaller than in a gravity system. The water returns to the boiler at a higher temperature, thereby making it possible to heat a house more evenly.

In small and medium-sized plants, boilers constructed of cast iron are used almost exclusively. A cast iron boiler has many advantages over a steel tubular boiler. In the first place, cast iron is not so susceptible to the chemicals contained in water; it does not deteriorate with rust so readily and does not require to be bricked in, being made in sections it is easily set up or taken down. The flues are large, consequently do not get choked up as readily as in a tubular boiler, the flues are also easier of access in cleaning. A cast iron boiler, when properly made and rated will carry a fire throughout the night without attention, while a tubular boiler requires, to get good results, night firing. By using two cast iron boilers and connecting them together one boiler may be used in mild weather, thus reducing the cost of operation, while in a tubular boiler it is necessary to use the entire boiler. If the greenhouse plant is a large one, say containing over 35,000 square feet of glass, tubular boilers are without doubt the most practical for many reasons. Forced draft, allowing small-size coal to be used, has been successfully introduced in many large plants. This of course requires power to operate the blower, pumps, etc., but the saving in being able to use a cheap grade of coal more than offsets the cost and operation of the machinery.

I am sorry that I have not more time at my disposal to go into the subject of heating more fully. It is one that is full of pitfalls, even to the initiated. What I have said outlines the general principles. The ratio of determining the number of pipes to the glass surface, capacity of boiler required, the distribution of and grading of pipes, size of mains, etc., should really be left to a reputable greenhouse concern or a heating engineer. Some growers, especially the new beginners, consider the superstructure the all-important question and the heating but a minor consideration. If they would only realize that one is just as important as the other there would be fewer unsatisfactory heating systems designed and installed; their bank account at the end of the season would be considerably larger from the saving of labor and coal, and the larger returns obtained from the sale of their more perfect stock or blooms.

You can realize from what I have said this evening the details and knowledge required to build an up-to-date greenhouse. There are a thousand and one details that it has taken years to evolve and perfect, a lot of knowledge that can only be gained by experience is brought into play in the solving of

most every problem. In spite of the great advance made in greenhouse construction we are still continually striving to improve and bring to higher perfection and utility the various parts of the construction.

In closing I wish to say it is necessary for firms making a specialty of greenhouse building to join hands with the growers—to keep in close touch with each other and to push and pull together. It is to our mutual benefit to do so because each business is a separate specialty; you are experts in your business, we in ours. As horticulture and floriculture advance, and

Cement Construction.

The use of cement or concrete in the construction of buildings has been universally adopted in the last few years, and great advancement has been made in its adaptability for parts of construction in place of wood that were unthought of 20 years ago. Many greenhouse proprietors have experimented of their houses, and Charles F. Newell of West Newbury, Mass., is one who has been successful in moulding cement in different forms. He says, "In commercial greenhouses I think that iron or steel gutters are the mented with concrete in the different



MEMORIAL WREATH OF LAUREL AND CYCAS.

competition grows keener and keener, you must change your growing methods to meet them. Greenhouses must be designed and built to suit such methods. Therefore, new details and special features in the construction of your greenhouses must consequently be evolved. This means that the growers and greenhouse builders must work closely together. Only by open-handed co-operation can a greenhouse construction giving the highest possible growing conditions be obtained. To the greenhouse builder this means a more nearly perfect greenhouse and consequently larger sales and increased business. To you it means better stock, larger sales and better returns on your investment, and that is what we are all after. Co-operation, then, is the vital thing.

best and to be preferred and cement used for other parts of the construction. There is a limit to the use of cement and its use may be carried too far. I have seen walls, gutters, plate, sills, sash bars and purlins all made of reinforced cement, but the result was a dark house with too much shade. The best construction to my mind is to have cement sides and ends up to the glass with sills and plate of cypress in the under side of which is a rabbet to form a good joint with the cement wall and fasten the plate and sill to long bolts inserted in the cement with plates and nuts to fasten the sill down, then cypress sash bars and an iron gutter.

"A cement gutter to be strong enough to stand the necessary strain, even if reinforced, will cast much

more shade than an iron gutter and taking cost and everything else in consideration, I do not see where a cement gutter would be of any advantage unless it might be with the two outside gutters on a range of houses where shade would not be objectionable.

"I can recommend cement construction for benches, posts, walls and walks and they cannot be excelled with any other material, but I would not recommend it for gutters, plates or sills. I am building a propagating house and am making benches, walks and piers to hold the pipe of cement, and cement blocks for the propagating bench, for they hold the heat, but am using 1½-inch pipe and 1¼-inch pipe frame, with plate, sill and sash bars of cypress. The southern wall is three feet of cement and three feet of glass with no gutter above the glass, the only gutter being on top of the cement wall with which water is carried to the boiler well."

Important Patent Decision.

In a recent decision handed down by the judges of the U. S. Circuit Court, the court of last resort in patent cases—the Burnham patent No. 583247 was sustained. This decision sustains Lord & Burnham Company's right to the exclusive use in greenhouses of their galvanized ice clearing eave plate which has so long been one of the features of their construction. This decision applies alike to the regular angle plate, the Z-Bar plate, or any modification of the original plate now licensed to be used by the Lord & Burnham Co. Such a decision, it is said, not only affects any manufacturer using the plate for greenhouses, but renders liable the owners of such greenhouses, as well.

Chicago Florists' Club.

At the regular meeting of the Chicago Florists' Club, held at the Union Restaurant May 2, President Foley announced his Committee of Convention Ways and Means and now issues his communication, with some additional names, as appended herewith:

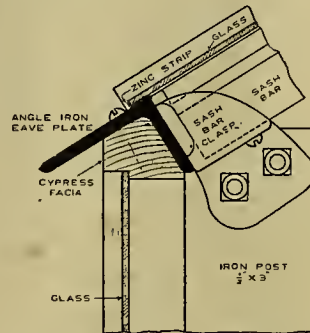
PRESIDENT FOLEY'S COMMITTEE.

To the Members of the Chicago Florists' Club:

Gentlemen—While some of our members have shown impatience at the delay in naming committees, I have been convinced that it was better to make haste slowly in the matter of selecting them, and in view of the fact that I was elected on a platform which had for its basic foundation the cementing together of all trade interests and the elimination of any semblance of favoritism, it is with pleasure I present the Committee of Ways and Means, to handle the approaching S. A. F. convention matters, which committee I have endeavored to make so broad and far-reaching that no branch of our trade in any of its ramifications shall be omitted, reserving, with your kind permission, the privilege of adding any good name which I may have overlooked. It is my desire that this great general committee shall without unnecessary delay hold a meeting and elect its executive committee vested with such powers as the general committee shall deem advisable. The Committee of Ways and Means, including additions suggested since the May meeting, is as follows:

J. F. Ammann, Illinois State Florists' Association, Edwardsville.
Geo. Asmus, Schiller the Florist, 2221 W. Madison St.
F. Bahr, Highland Park.
M. Barker, The American Florist, 440 S. Dearborn St.
W. W. Barnard, The W. W. Barnard Co., 233 W. Madison St.
I. Baumana, 359 W. Chicago Ave.

W. E. Beaudry, W. E. Beaudry Nursery Co., 80 E. Jackson Boul.
C. J. Bond, Naperville.
D. Wood Brant, 5744 Brantwood Ave.
H. N. Bruns, 3040 W. Madison St.
E. Buettner, Park Ridge.
J. E. Bullock, Illinois Malleable Iron Co., 1801 Diversey Boul.
John Cauger, Cauger & Gormley, 187 N. State St.
N. H. Carpenter, Horticultural Society of Chicago.
J. B. Deamud, J. B. Deamud Co., 160 N. Wabash Ave.
Chas. Dickinson, The Albert Dickinson Co., W. Taylor St.
C. M. Dickinson, E. H. Hunt, Inc., 131 N. Wabash Ave.
Anton Dietsch, A. Dietsch Co., 2640 Sheffield Ave.
R. S. Dilger, Cook County Hot House Vegetable Growers' Association, 4183 N. Clark St.
J. N. Dole, H. M. Hooker Co., 631 W. Washington Boul.
Prof. H. B. Doraer, University of Illinois, Urbana.
J. P. Dugger, Kewanee Boiler Co., 310 N. Michigan Ave.
Chas. Erve, Erve & Klingel, 162 N. Wabash Ave.
Chas. M. Fish, J. D. Thompson Carnation Co., Joliet.
C. H. Flisk, 1581 Ogden Ave.
P. J. Foley, The Foley Mfg. Co., 26th St. and Western Ave.
C. Franenfelder, 3343 W. Madison St.
S. Freeman & Sons Mfg. Co., Racine, Wis.
O. J. Friedman, 522 S. Michigan Ave.
Frank Garland, Des Plaines.



Lord & Burnham Co.'s Eave Plate.

Geo. Garland, The Geo. M. Garland Co., Des Plaines.
E. W. Grant, Jas. H. Rice Co., Illinois and St. Clair Sts.
R. J. Haight, Room 1030, 440 S. Dearborn St.
H. F. Halle, 801 Sheridan Road.
Mrs. M. B. Hancock, Horticulture, 2240 Warren Ave.
D. L. Harris, Pulverized Manure Co., 825 Exchange Ave., U. S. Yards.
Frank Harris, Chicago House Wrecking Co., 35th and Iron Sts.
Chas. Heggie, Scully Steel & Iron Co., 2364 S. Ashland Ave.
A. Henderson, A. Henderson & Co., 352 N. Michigan Ave.
Chas. Hengesch, Cook County Hot House Vegetable Growers' Association, 7360 Murphy Ave.
Edward Hines, Edward Hines Lumber Co., 2431 S. Lincoln St.
Fred Hoerber, Hnerber Bros., 162 N. Wabash Ave.
Petar Hollenbach, 160 N. Halsted St.
H. B. Howard, Florists' Review, 508 S. Dearborn St.
John Hrudka, L. Hrudka Pottery Co., 2619 Herndon.
H. R. Hughes, 1859 W. Van Buren St.
S. A. Jamieson, Universal Portland Cement Co., 72 W. Adams St.
D. D. Johnson, United Fertilizer Co., 143 N. Wabash Ave.
E. A. Kanst, 5329 Ellis Ave.
Fred Kanst, Washington Park, 5700 Cottage Grove Ave.
Wm. F. Kastig, Wm. F. Kastig Co., Buffalo, N. Y.
Geo. Keller, Geo. Keller & Son, 2618 Herndon.
J. F. Kidwell, Chicago Flower Growers' Association, 176 N. Michigan Ave.
W. H. Kidwell, J. F. Kidwell & Bro., 929 E. 43rd St.
W. G. Kimball, Pittsburg Plate Glass Co., 501-511 S. Wabash Ave.
George Klehm, Klehm's Nurseries, Arlington Heights.
August Koch, Garfield Park Greenhouses, Garfield Park.
A. F. Kohn, 2934 N. Leavitt St.
W. L. Kroeschell, Kroeschell Bros. Co., 440-472 W. Erie St.

John Kruchte, 162 N. Wabash Ave.
Geo. A. Kuhl, Pekin.
Eugene Kurovski, J. C. Moring Co., 901 Blackhawk St.
W. P. Kyle, Kyle & Foerster, 162 N. Wabash Ave.
A. Laage, 25 E. Madison St.
Samuel Lanski, Illinois Pipe & Mfg. Co., 2117 So. Jefferson St.
R. F. Leesley, Leesley Bros., N. 40th Ave. and Peterson Ave.
S. F. Leonard, Leonard Seed Co., 228 W. Kinzie St.
Chas. Loweridge, Illinois State Florists' Association, Peoria.
H. M. Lubliner, Lubliner & Trioz, 23 E. Randolph St.
W. E. Lynch, Wm. E. Lynch Co., 3519 W. Van Buren St.
A. McAdams, 1303 E. 53rd St.
C. F. McCormick, Florists' Exchange, 143 N. Wabash Ave.
C. W. McKellar, 30 E. Randolph St.
Wm. Mailander, Morton Grove.
John Mangel, 17 E. Monroe St.
M. H. Mann, Zech & Mann, 162 N. Wabash Ave.
Wm. Mechwart, 658 Liberty.
Jao. T. Muir, 3530 Michigan Ave.
Swain Nelson, Swain Nelson & Sons Co., 140 S. Dearborn St.
F. Oechsler, 4911 W. Quincy St.
W. L. Palinsky, 2865 Palmer Ave.
R. Papineau, Jr., Hood Chemical Co., Madison and Canal Sts.
L. E. Partridge, Sharp, Partridge & Co., 2262 Lumber St.
S. J. Pearce, 2137 Clybourn Ave.
Wm. A. Peterson, Peterson Nursery, 30 N. LaSalle St.
E. E. Pieser, Kennicott Bros. Co., 163 N. Wabash Ave.
John Poehlmann, Poehlmann Bros. Co., 72 E. Randolph St.
C. C. Pollworth, Milwaukee, Wis.
W. H. Pontius, Superior Machine & Boiler Works, 840 W. Superior St.
J. B. Porter, Porter's Nurseries, 17 N. LaSalle St.
Gustave Raedlein, Raedlein Basket Co., 713 Milwaukee Ave.
A. L. Randall, A. L. Randall Co., 66 E. Randolph St.
Alex. Reid, Oakwoods Cemetery Greenhouses, 6431 Kimbark Ave.
Geo. Reinberg, 162 N. Wabash Ave.
Peter Reinberg, 30 E. Randolph St.
John Risch, Weiland & Risch, 154 N. Wabash Ave.
D. A. Robertson, Adams-Robertson Co., 1021 Rush St.
H. C. Rowe, 20 E. Monroe St.
E. F. Rubel, Fleischman Floral Co., 84 E. Jackson Boul.
W. N. Rudd, Mount Greenwood Cemetery Assn., Room 1411, 38 S. Dearborn St.
C. A. Samuelson, 2132 Michigan Ave.
F. E. Scheel, Schermerville.
Rudolph Schiele, Lincoln Park Greenhouses, Lincoln Park.
J. J. Schillo, Adam Schillo Lumber Co., 1560 Hawthorne St.
W. F. Schofield, 734 N. State St.
J. G. Schumann, Schumann & Kobout, Libertyville.
Philip C. Schupp, J. A. Endlog Co., 82 E. Randolph St.
E. W. Sedgwick, S. Wilks Mfg. Co., 3517 Shields Ave.
A. I. Simmonds, 242 W. 63rd St.
John Sinner, Sinner Bros., 82 E. Randolph St.
A. R. Smith, Sprague, Smith Co., 164 W. Randolph St.
W. J. Smyth, 3101 Michigan Ave.
Geo. Stollery, 5663 Southport Ave.
Geo. Sykes, Lord & Burnham Co., Rookery Bldg. A. Then, 2333 Hamilton Court.
J. A. Valentine, Denver, Colo.
A. Vanderpool, 600 Independence Boul.
H. Van Gelder, Percy Jones, 56 E. Randolph St.
A. L. Vaughan, A. L. Vaughan & Co., 161 N. Wabash Ave.
J. C. Vaughan, Vaughan's Seed Store (Inc.), 31-33 W. Randolph St.
Thos. Wallis, Rose Hill Cemetery, 4142 N. 42nd Ave.
C. L. Washburn, Bassett & Washburn, 131 N. Wabash Ave.
Herman Wendland, Wendland & Keimel, Elmhurst.
E. Wienhoeber, Wienhoeber Floral Co., 22 E. Elm St.
N. Wietor, Wietor Bros., 30 E. Randolph St.
M. Winandy, M. Winandy & Sons, 6236 N. Lincoln.
E. F. Winterson, E. F. Winterson Co., 166 N. Wabash Ave.
L. Wittbold, Geo. Wittbold Co., 737 Buckingham Pl.
A. Zeuder, 6638 Ridge Ave.

P. J. FOLEY, Pres.

May 13, 1912.

Making a Garden.

'Tis time to go with spade and hoe
Into the yard to toil.
The shattered sash and other trash
Helps fertilize the soil.

The broken glass which we amass
Ere Springtime makes its bow
Will come in fine, as I opine,
For good top dressing now.

—Kansas City Journal.

OBITUARY.

John F. Wilcox.

After a determined fight for ten days, during the greater part of which time his life hung in the balance, John F. Wilcox, head of the firm of J. F. Wilcox & Sons of Council Bluffs, Ia., one of the largest greenhouse concerns of the country, died at his home, Friday, May 10, aged 48 years. Mr. Wilcox had just started the erection of two large greenhouses 60x1,000 feet each, and ten days before his death spent part of the day assisting the work in his energetic manner. He later drove home in his automobile, still perspiring from his labors, took a severe cold and was seized with a chill. The next day he was considerably better but pleurisy developed, followed by pneumonia, and notwithstanding the best of medical skill and his wonderful vitality, he gradually grew worse and passed away.

Mr. Wilcox was born in Grant county, Wisconsin, February 3, 1864, his parents later moving to Wahoo, Neb. When he was sixteen years of age he obtained employment with L. A. Casper, a large vegetable grower, of Council Bluffs, Ia., and showed such ability that two years later was made foreman, and at the age of twenty-one was admitted into partnership in the vegetable business, Mr. Casper having also embarked in the flower business. In 1885 he married Miss Young, a niece of Mrs. Casper, at Atlantic, Ia. Four years later he purchased his partner's interest in the vegetable department and later bought the floral business. He immediately began enlarging the plant until it was one of the largest, if not the largest, west of the Mississippi river. By close application to his business which he always gave his personal attention, he built up an immense trade, shipping his product all through the western part of the country as far as the Pacific coast. He joined the Society of American Florists in the early nineties, which membership he has always maintained, being a frequent attendant at the conventions. In addition to his flower business he owned a great amount of property in his home city and also large tracts of land in Canada. He was a zealous member of the Council Bluffs Commercial Club and one of the executive committee. He also belonged to the Elks, the Eagles and the Masons.

He is survived by the widow and five sons, Roy Franklin, aged 25; Blaine Casper, 20; Glen Max, 16; John Franklin Jr., 9; and Donald Howard 6 years, two sons and a daughter having died. The funeral was held at the family home Sunday afternoon, May 12, and was one of the largest ever held in Council Bluffs, both at the home and at the cemetery. Never before has such profound sorrow been expressed by all classes of people. The large lawns surrounding the home were filled with friends anxious to view the body for the last time. Great crowds gathered at the cemetery to view the interment. The floral offerings were numerous, and elaborate tributes were forwarded from members of the trade in different parts of the country, among which were a massive cross of Richmond roses with base of lilies and chain of lily of the valley from the employes of J. F. Wilcox & Sons, and other offerings from E. H. Hunt, Chicago; Miss Rennison, Sioux City, Ia.; Ernst Weinhoeber, daughter and William, Chicago; T. E. Waters, Chicago; J. B. Deamud, Chicago; J. C. Vaughan, Chicago; Carl Cropp, Chicago; Mrs. L. J. Stuppy and Sons., St. Joseph, Mo.; Miss H. B. Witted, Minneapolis, Minn.; J. G. Taylor and Mrs. Taylor, Minneap-

olls, Minn.; John Adolph and August Pochlmann, Chicago; E. B. Washburn, and Mrs. Washburn, Chicago; C. L. Washburn, Chicago; and John and Mrs. Bath, S. J. and Mrs. Hess, Mr. and Mrs. Swoboda, George and Mrs. Suris, L. M. and Mrs. Rovatzas, and Miss Riba McNamara of Omaha. The interment was at Walnut Hill cemetery, where services were held under the auspices of the Masonic order.

TRIBUTE OF C. L. WASHBURN.

The untimely death of J. F. Wilcox of Council Bluffs, Ia., was a severe shock to his friends in the floral trade as few of us knew that he was at all ill. There was probably no man in the trade who had more friends than he, for to know him was to be a friend. His genial and kindly disposition sprang from a warm and tender heart. He always spoke a pleasant word to everyone and when visiting a fellow florist's greenhouses always found something favorable to comment on.



The Late J. F. Wilcox.

His criticisms were just but spoken in a kindly way. To those of his friends who knew him best his dominant characteristics were his kind heartedness, his charitable and lovable nature and his absolute integrity. His business methods throughout raised the standard of the florist trade to a higher plane. We all have lost a tried and true friend and words cannot do him justice.

CHARLES L. WASHBURN.

William F. Wagner.

William F. Wagner, a florist of Cooperstown, N. Y., died April 29, after an illness of several months, aged 57 years. He was born in Utica, N. Y., and established a florist business in Cooperstown fifteen years ago and erected a greenhouse which he has conducted ever since. He was a member of the Masons who conducted the funeral services, May 1.

KANSAS CITY, Mo.—The residence of William J. Barnes, Jr., was destroyed by fire April 28, probably caused by defective wiring. The family were not at home when the fire started.

JERSEY CITY, N. J.—Emile Bounot and wife sailed on the Lusitania, May 8, for England. They will visit the International Exhibition to be held at London and will then tour the continent.

New York Florists' Club.

An enthusiastic meeting of the New York Florists' Club with 70 members present was held May 13. Secretary Young read the resolutions prepared on the death of our late fellow member, Herman Maeyer.

Philip Kessler, chairman of the Outing committee, reported that the steamer Isabel had been engaged for July 2, and the place was Wetzel's Point Grove. Mr. Kessler also stated the committee was pleased with the way the members were offering prizes for the usual events.

A. C. Saylor, Herman Warendorff, Charles Smeig, George C. Siebrecht, Walter R. Siebrecht, J. H. Reock were nominated for membership. George Pearce, Paul A. Rigo, Peter Duff, J. A. Muller, Andrew C. Scott, Samuel Redstone, Edward A. Manda, August Gunge, were elected members of the club, Frank Traendly, chairman of the local governing board of the National Flower Show committee, reported that everything was progressing very favorably in the National Flower Show matters.

The following committees were appointed: W. F. Sheridan, Frank H. Traendly and John Young to draw up resolutions on the death of Mrs. W. F. Kasting; John Young, A. J. Rickards, W. E. Marshall to prepare resolutions on the death of Mrs. Wm. Eccles; Philip Kessler, J. A. Shaw, W. C. Rickards to prepare resolutions on the death of Peter MacDonald; Frank H. Traendly, W. F. Sheridan, Chas. B. Weathered, Anton Schultheis, Jr., Arthur Bucholz, Transportation committee, to make all arrangements for the trip to the convention in Chicago.

The committee on awards reported: Chrysanthemum, Glory of Seven Oaks, exhibited by John Lewis Childs, honorable mention. Collection of Diplacus Grandiflorum and Felicia, thanks of the club. Vase of Calla Devonensis and small plant of the same in pot, honorable mention.

Philip Mindel was the speaker of the evening and read a thoughtful, interesting paper supposed to have been written in 1925 on "What Happened to Flowers in 1913." Mr. Mindel received the standing vote of thanks of the club. This address seemed to wake up many of the members present, and Patrick O'Mara, Harry A. Bunyard, Wallace R. Pierson, W. E. Marshall all gave their views on the subject.

The club went on record in passing a resolution appointing a delegation to go to the convention in Chicago to endeavor to secure an appropriation for general publicity to boom the florists' business in the United States. It was understood that the larger part of this money would have to come through private subscription. William H. Duckham made an eloquent appeal for the National Flower Show, giving a full account of what had been done and promising an exhibition in April, 1913, that would overshadow any exhibition of plants or flowers ever held in this country or anywhere else.

Wallace R. Pierson, H. A. Bunyard, W. E. Marshall, J. H. Pepper, M. C. Ebel is the committee to take up the matter of "Publicity" and to endeavor to get an appropriation from the S. A. F. at the convention in Chicago. The committee will get together and organize at once so that at the time of the convention they will have some concrete plan to offer to the convention on this important matter.

Y.

LINCOLN, ILL.—Otto J. Hembreiker is erecting two new greenhouses 25x100 feet.

PITTSBURGH, PA.—Ira G. Marvin, the Wilkesbarre florist, has commenced work on the new greenhouse to be erected on North Main street.

THE AMERICAN FLORIST

1895 TWENTY SIXTH YEAR 1912

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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SOUTHERN peony growers report that there will be only half a crop.

RENEW subscriptions promptly so that no copies of the paper may be missed.

KINMUNDY, ILL.—The Illinois Horticultural Society, in order to encourage apple growers, again this year will offer prizes for the best sprayed orchards in the state.

THE annual report of the Park Department of St. Louis, Mo., is received. It is a clear and concise statement of the work in the several parks and playgrounds, finely printed and illustrated. Among the recommendations are the establishing of a nursery in which to grow the trees required and the enlargement of the greenhouses.

Personal.

The engagement is announced of C. B. Whitnall and Miss Marie Kottnauer of Milwaukee, Wis. The date of the wedding has not been fixed, but it is said it will take place some time this summer.

Chrysanthemum Society of America.

The following special premium has been offered by John Lewis Childs, Floral Park, N. Y., for the exhibition of the Chrysanthemum Society of America to be held in New York, November 6-8, 1912:

Best 8-inch pot of Chrysanthemum Glory of Seven Oaks, first prize, \$3.00, second prize, \$2.00.

C. W. JOHNSON, Secy.

Hartford Rose Test Garden.

The test garden for hardy roses will be planted during the next few days. A large number of new varieties have already been received for testing, and growers having novelties for future dissemination should forward them immediately for planting this season. Five plants of each variety of the bedding type and two each of the climbing type constitute an exhibit. The American Rose Society will judge the exhibits and a gold and silver medal award is open to undisseeded varieties. Certificates of merit will also be awarded to new roses of merit which have not been on the market over three years. Exhibits should be shipped to Department of Parks, G. A. Parker, Supt., Hartford, Conn.

ALEX. CUMMING, JR.

Superintendent Irish Resigns.

Henry C. Irish, superintendent of the Missouri Botanical Garden for the last ten years has resigned that position and will enter business, probably landscape gardening. Mr. Irish was graduated from the Iowa State College and was given the degree of Master of Science in 1897. He began his work at the Missouri Botanical Garden in 1894, has become an authority on gardening, and is one of the founders of the gardening system established in connection with the public schools. He was one of the organizers of the St. Louis Horticultural Society and has served as president of the Engelmann Botanical Society and St. Louis Florists' Club, and is a member of the Tree-Planting committee of the Civic League.

Appeal to Sweet Pea Growers.

There is no one flower which appeals both to the gardener and amateur as the sweet pea. Of recent years considerable difficulty has been experienced in raising this beautiful flower. In fact the last season has witnessed complete failures of the sweet pea in several localities and especially in the state of Delaware. Realizing this, extensive investigations of the diseases of the sweet pea were undertaken at the Delaware Agricultural Experiment Station. The co-operation is asked of all those who are interested in the results of these investigations. Correspondence with growers or amateurs who have experienced difficulty in raising the sweet pea will be welcomed. It is especially desirous that all who are interested should forward diseased specimens. The Department of Plant Pathology in making a plant disease survey of Delaware, in co-operation with the Bureau of Plant Industry of the U. S. Department of Agriculture, has the franking privilege on diseased plant material. The franks will be sent to those who ask for them and this will entitle them to send four pounds, or less, of diseased material by mail without postage. All communications should be addressed to

Department of Plant Pathology, Agricultural Experiment Station, Newark, Delaware.

Investigation of Gladiolus Diseases.

Certain obscure diseases of the corms of gladiolus in storage have occasioned considerable loss in the past and are apparently on the increase. Arthur Cowee, of Berlin, N. Y., has interested the plant disease experts at Cornell University in this trouble and H. H. Whetzel, professor of plant pathology at Cornell, together with Dr. E. Wallace, his assistant, have made an extended study of one of these diseases in the laboratories at Ithaca. The cause of the disease has been found to be a fungus, a vegetable growth which lives as a parasite in the tissues of the corm and slowly reduces it to a black, hard worthless mass. Now, that the cause of the disease has been ascertained, the experts claim that there are hopes of devising a method of killing the parasite without injuring the gladiolus corms.

As the investigation progressed, it became apparent that the problem was a much bigger one than at first appeared. A special appropriation was made by the state legislature of 1911 for the specific purpose of financing and furthering this investigation which it appears was previously financed by Mr. Cowee, himself. We learn that the legislature of 1912 has again appropriated an increased fund for continuing the work, the funds to become available October 1, next.

It appears that considerable work has been done during the winter at Cornell. Today Dr. Donald Reddick and L. M. Massey, both of the pathological department of the Agricultural College at Cornell, are in Berlin inspecting the methods of preparing and planting the corms. Dr. Reddick has charge of the investigations in plant diseases and is now directing the field work of fifteen or eighteen young men who are investigating the diseases of various plants. Mr. Massey has been employed to do the gladiolus disease work and has brought with him a full laboratory equipment for the most careful study of these diseases. He plans to remain at Berlin for an indefinite period in order to couple up extended field observations and experiments with his laboratory work. Mr. Cowee has turned over his studio to Mr. Massey and this is to be converted into a laboratory. Field tests are being made and Mr. Massey cautiously expressed a hope that material progress might be made during the coming summer. Mr. Cowee's studio, equipped with dark room, electric light from power developed upon his farm, and other advantageous facilities such as excellent soil, etc., prompted the establishment of the station here. Mr. Cowee also is the New York state committee of the American Gladiolus Society on gladiolus diseases. Any grower having affected corms should ship samples without delay via mail or express prepaid addressed to L. M. Massey, Supt. Field Experiment Station, Berlin, Rensselaer Co., N. Y.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Meetings Next Week.

Boston, Mass., May 21.—Gardeners' and Florists' Club of Boston, Horticultural ball.
 Detroit, Mich., May 20, 8 p. m.—Detroit Florists' Club, 217 Randolph street.
 Grand Rapids, Mich., May 20.—Grand Rapids Florists' and Gardeners' Club, office of member.
 Hartford, Conn., May 24, 8 p. m.—Connecticut Horticultural Society, County building.
 Montreal, Que., May 20, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guards building, 224 Sherbrook street, west.
 Providence, R. I., May 20, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.
 Salt Lake City, Utah, May 21.—Salt Lake Florists' Club, Haddart Floral Co., 64 Main street.
 Seattle, Wash., May 21.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
 Toledo, O., May 22.—Toledo Florists' Club.
 Toronto, Ont., May 21, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.****For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As foreman, by florist, 35 years of age, married. 25 years' experience in all branches, private as well as commercial. Last employer retail. Address
 Key 604, care American Florist.

Situation Wanted—General greenhouse man and chrysanthemum grower, middle aged, single, wants position in commercial place. Best of references. Address
 Key 635, care American Florist.

Situation Wanted—As gardener on a private place which employs two or three bands, English, age 34; seven years in this country; good reference from last situation. Address
 A. ANDY,
 6 Harris Ave., Jamaica Plain, Boston, Mass.

Situation Wanted—As gardener; 19 years experience growing roses, 'mums' carnations, pot and bedding plants. Greenhouse or outside work; single man, 29 years old, on private place, steady position. Address
 Key 634, care American Florist.

Situation Wanted—By honorable German, 30, married; 16 years' experience in carnations, 'mums', bedding stock, begonias, cyclamen, ferns, and design work, first class landscape and nurseryman; able to take full charge. Only a good place considered. State full particulars and wages in first letter. Key 636, care American Florist.

Help Wanted—First-class salesman and designers for our retail stores. Apply to
 HERMAN BERSHAD,
 care Loeser's, Fulton St., Brooklyn.

Help Wanted—Several quick potters, also man to take charge of palms and decorative stock. State wages expected in first letter. Address
 Key 633, care American Florist.

Help Wanted—Assistant florist and gardener; single man preferred. Wages \$35 per month, including board, room, laundry, etc. Apply to
 C. R. STARKE, Boys' Industrial School,
 Lancaster, Pa.

Help Wanted—Working foreman to take charge of 60,000 sq. ft. of glass, to grow a general line of cut flowers and plants. Must be strictly sober, married man preferred. State wages expected, how long in present position, and references. Address
 C. LOVERIDGE, Peoria, Ill.

Help Wanted—A German manufacturer, who makes special heating plants and boilers for greenhouses, desires to secure the services of a capable representative in America (An experienced florist preferred) to start immediately. Apply in writing to
 Key 610, care American Florist.

Help Wanted—Yardman, must be strictly sober, strong and willing worker, understand plants and flowers and care of horse and cow and lawn. One man filled place acceptably for 15 years; wages \$40 per month; board with room and bath included with better salary at expiration of year if satisfactory service is given. Sobriety, intelligence and willing efficiency required with testimonials. Will not consider other than those meeting these requirements at any price. Address
 G. E. DILLEY, Palestine, Texas.

For Sale—Special Bargain! Most profitable business in Nebraska. Wire! Write!
 HIGGINBOTHAM & PICKENS, Hastings, Neb.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Two good paying retail stores in Chicago. For further particulars address
 Key 631, care American Florist.

For Sale—Cheap; store fixtures, wall cases and a National cash register. A bargain for some one. Answer now. Key 632, care American Florist.

For Sale—At once, good florist place, newly built; good business; busy town; cheap if sold at once; middle Ohio. Address
 Key 630, care American Florist.

For Sale or Rent—4,500 feet of glass, with stock, for sale or rent; good location; good town of 50,000, and growing; hot water or steam heat; city water; dwelling house if desired; must be disposed of at once; favorable terms; a bargain. Address
 Key 623, care American Florist.

For Sale—Florist and market garden business established twenty-five years; 20,000 feet of glass well-stocked; one to eight acres of land, \$1,500.00 takes possession at once; a bargain. Address
 GOSHEN FLORAL CO.,
 Goshen, Ind.

For Rent—Reissig's greenhouses in Riverside, Ill.; 55,000 square feet of glass, and 12-room brick residence, both hot water heat; 10-room gardener's house; barn, chicken house and five acres of ground; orchard and shrubbery, all in good condition. Apply
 CHAS. W. REISSIG,
 Box 289, Riverside, Ill.

For Sale—Seven large commercial greenhouses on three acres of land; eleven-room house and small house for help; three wagons, two horses. Good paying proposition; near New York City. Owner wants to sell on account of health. Apply
 CHAS. MILLANG,
 55 W. 26th St., New York City.

For Rent or Sale—About 6,000 feet double strength glass; hot water heated; built for my florist daughter; got married, gone; still a going business. Fair stock, only florists here; county seat, near Denver; rent twenty dollars per month. Will sell houses, tools, stock, all for seventy monthly payments of thirty dollars each. I mean business. Address
 CULP WATCHMAKER, Owner,
 Box 116, Littleton, Colorado.

Wanted at once.
 A first class Carnation and Mum grower. Send references and state wages expected in first letter or call personally.
 JOHN RECK & SON, BRIDGEPORT, CONN.

HELP WANTED

Two good rose growers.
 Two good carnation growers.
 Two helpers.

BASSETT & WASHBURN
HINSDALE, ILL.**WANTED.**

Salesman who is thoroughly experienced in selling seeds and nursery stock. Apply, with references, to MR. HANIG, Cut Flower Department, Gimbel Bros., Sixth Ave. and 33rd St., New York.

Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address
 Key 615, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.
 Key 628, care American Florist.

FOR SALE-A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Ill.**FOR SALE.**

Seed, Nursery, Plant and Flower Business for sale. Annual Sales, \$20,000.00. Large cash mail order business from Texas, Oklahoma, Arkansas and Louisiana; 60,000 names of property owners lately revised. Manager, who owns controlling interest in the corporation, wishes to retire. Write for particulars or come and investigate.

DRUMM SEED & FLORAL CO.,
507 Houston Street, Fort Worth, Texas.**For Sale--At Once**

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line; good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE,
1607 Second Avenue, Rock Island, Ill.**FOR SALE OR RENT.**

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of
 JOHN F. HAHN,
 1572 Sherman Avenue, Evanston, Ill.

FOR SALE**Well Established Nursery.**

Excellent location near one of Minnesota's most flourishing cities. Excellent railroad facilities. 120 acres in Apples, Small Fruit and Ornamental Stock. Good Buildings, Storage and Packing Cellar. Will be sold with or without land—long lease if desired. An exceptional opportunity if taken at once. Good reason for selling. Write

KEY 578, Care AMERICAN FLORIST.**A RARE OPPORTUNITY**

I offer, in the beautiful city of Auburn, Cayuga County, N. Y., one of the finest florist's propositions ever presented to the public. A beautiful house with all modern conveniences, about three acres of land, four fine greenhouses built of cypress: two of them 10 feet wide and 162 feet long, and two 20 feet wide and 100 feet long. Equipped with steam heat and city water. An unusually fine assortment of stock. Location on trolley line, and business in a very flourishing condition. Nice barn on property. Best of reasons for selling. This business will be a big money-maker to the right party. For full particulars, address

John N. Ross
147 Genesee St., Auburn, N. Y.**Agricultural Propagator**

The United States Civil Service Commission announces an examination at the several offices of the board on June 5, 1912, to secure eligibles from which to fill a vacancy in the position of agricultural propagator in the Philippine service at a salary of \$1,600 per annum. The examination is for men only between 20 and 40 years of age, open to all citizens of the United States. Practical experience in nursery or orchard work and an expert in budding, grafting and other forms of propagation is desired.

Applicants should at once apply to the United States Civil Service Commission, Washington, D. C., for application form B. I. A. 2 and for information regarding the examination.

Asparagus Plumosus, 3-in. pots, \$4.00 per 100.
Ivy, Hardy English, 3-in. pots, \$4.00 per 100.
Clematis Paniculata, strong 2-year old plants, \$10.00 per 100. These will bloom this season. 1-year-old plants, \$5.00 per 100. Seedlings, strong, \$1.00 per 100; \$3.00 per 1000.
Dracaena Indivisa, 3-in. pots, \$4.00 per 100.
Chrysanthemums, strong plants from flats, \$2.00 per 100. Golden Glow, White Cloud, Pacific Supreme, Dr. Enguehard, Yellow Jones, Nonin, Pompons, White Diana, Lulu.
Carnations, Rooted Cuttings, from soil, fine plants of Boston Market, still one of the best whites, \$2.00 per 100; Enchantress, white and pink, \$3.00 per 100.
Moonflower, large flowering, from 2½-in. pots, \$3.00 per 100.
 Plants from 2½-in. pots, \$2.50 per 100: **Abutilon Savitzi**; **Cupheas**; **Ageratum**; **Parlor Ivy**; **Variegated Ground Ivy**; **Asparagus Sprengeri**; **Dracaena Indivisa**; **Alyssum**, Dwarf; **Euonymus**, Golden Variegated; **Cobaea Scandens**. **Anthrinnium**, pink, white and red, **Impatiens**, **Feverfew**.
Umbrella Plants, 3-in. pots, \$4.00 per 100.
Boxwood, 2½-in pots, \$3.00 per 100.
Myrtles, the real Bridal Myrtle, large and small leaved varieties, \$3.00 per 100.
Bouvardias, white, pink, scarlet and red, 2 in. pots, \$3.00 per 100.
Wistaria Sinensis, seedling plants, 3-in. pots, \$4.00 per 100.
Hydrangea Otaksa and **Thos. Hogg**, 2½-in. pots, \$3.00 per 100.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

Washington

FINE PLANTING WEATHER.

Business is good for this season of the year. As a matter to be expected, there is a surplus of stock and it is surprising that sales are as good as they are. The early varieties of peonies are now coming in and in another week we may expect a fair supply. The weather is warm and showery and very favorable for the growth of young carnations and other stock planted outdoors. There is considerable decorative work for weddings, small dinners and teas being done.

COMMERCIALIZING FILIAL AFFECTION.

We have before us a half-page advertisement which on May 11 appeared in the Washington Herald. It is signed by two wholesale concerns and four retailers who are satellites of said wholesalers. They are careful to state that the advertisement is paid for. We quote a paragraph: "The purpose of this announcement is to properly bring 'Mothers' day' to the attention of the public and to increase the popularity of this beautiful idea." That is very good reading. The sequel and the next stage in this grand game of increasing "the popularity of this beautiful idea" was worthy of the antediluvian ancestors of the more or less esteemed signers of this proclamation. They put the wholesale price of white carnations up to four, five, six and eight cents, put it up to the highest figure they thought the public would stand, in order to educate them in the use of flowers. Ten cents each, retail, was asked for carnations and \$1.00, \$1.50 and \$2.00 by the dozen. Nobody need hereafter wonder what most of the fools are doing. The answer is easy. They are going into the wholesale florist business. At a time when flowers were scarce there might have been some justification for such proceedings, but there was none on this occasion. It is doubtless a fact that the excellent lady who originated Mothers' day was prompted by the purest motives, and she is worthy of all praise. It would have been a graceful act for the florists to have made prices so low that the day would in fact have been popularized. A. F. F.

LOOK! BARGAINS IN Bedding Plants

For Immediate Shipment.

NOW READY.

Godfrey Aschmann, the busy bee, is more active than ever. Come and look at what he and his son and employees have done in four weeks' time. Inspect it yourself, judge it yourself, and you will say "Is it possible?" Sixty-three greenhouses and equally as many frames are filled with choice bedding plants of all descriptions.



- Cannas**, Alphonse Bouvier, Florence Per 100 Vaughan, Pennsylvania, Queen Charlotte, \$7.00
- Cannas**, Mme. Crozy, 4-in. 8.00
- King Humbert, 4-in. 10.00
- Hardy or English Ivy**, made up of 3 plants, 4-in., 10c; 5-in., 15c.
- Begonia Erfordi**, our well known strain, our latest improvement, always in bloom, best of all pink varieties, 4-in. pots. 8.00
- Begonia Vernon**, the genuine dark red. Discard the old large leaved and buy the new sort. A bed of them once seen growing on a lawn speaks for itself; it is our latest improvement of the Vernon type; always a mass of flowers; stands the sun, heat and the dry weather well; 7,000 4-in. now ready. 8.00
- 3-in. (tall in bloom) 5.00
- Begonia Berne**, another novelty of Berne, Switzerland, a constant bloomer, 5½-in. pots, 25c; 3-in., 10c; 4-in., 15c.
- Lemon Verbenas**, 4-in. 7.00
- Scarlet Sag**, everybody's favorite, Clara Bedman or Bonfire (in bloom), 4-in. 7.00
- Zurich, 4-in. 7.00
- Ageratum**, dwarf, best blue, 4-in. 7.00
- Fuchsias**, assorted colors, 4-in. 7.00
- Double Petunias**, assorted, 4-in. 7.00
- Lantanas**, assorted, 4-in. 7.00
- Geraniums**, 3 best well-known varieties: Beaute Poitevine, best salmon pink, 4-in. 8c each
- S. A. Nutt, best crimson, 4-in. 7c each
- Alfonse Ricard, best double red, 4-in. 7c each
- Honeysuckle**, sweet-scented Halleana, 4-in., 10c; 5-in. 15c each
- Clematis Paniculata**, 5½-in. pots, 15c to 20c each
- Ampelopsis Veitchii**, 30-in. high, 4-in. 15c each
- 5-in. 20c each
- Cobea Scandens**, 4-in. 10c each
- Diclytra Spectabilis** or Bleeding Heart, hardy, like a peony, kept outside in frames all winter, strong and healthy, 6-in. pots, 35c to 50c.
- Dracaena Indivisa**, 6-in. pots, 50c.
- Vinca Variegata**, large 4-in., 15c.
- Perennial or Hardy Phlox**, assorted colors, nice strong young plants, \$7.00 per 100.
- Shasta Daisies**, best white large-flowering hardy daisy, 2½-in., \$5.00 per 100.
- Hydrangea Otaksa**, 6-in. pots, medium size only, suitable for outdoor planting, not in bloom, 25c; 7-in. pot, in cold frame all winter through, 50c to 75c.
- Asparagus Plumosus**, 2½-in., \$25.00 per 1000, \$3.00 per 100; 3-in., \$5.00 per 100.
- Asparagus Sprengeri**, 4-in., 10c.

First Consignment.

6,000 just received per steamer Lapland from Antwerpen, Belgium; more coming by next steamer.
Araucaria Excelsa, Robusta Compacta, Glauca and Palms, etc. Florists, you all know we are leaders for the last 25 years in importing, growing and shipping of this so well known evergreen decorative plant, the **Araucaria**, more in favor than ever from Atlantic to Pacific Ocean. To every florist our **Araucarias** are interesting; therefore no argument is needed for our goods. We know what our customers need; therefore we have provided and set aside special specimen plants, spring, 1911, importation, lawns, porches, verandas, bungalows, private summer residences, the hotels and boarding houses on the seashore and elsewhere. This plant is one of the most desirable evergreen decorative plants adapted for the above mentioned purposes.
Araucaria Excelsa raised from top cuttings, 6-7-in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

- Araucaria Excelsa Glauca** and **Robusta Compacta**, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.
- Araucaria Excelsa**, new importation, arrived per steamer Lapland, in fine condition, out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.
- Robusta Compacta Excelsa Glauca**, April, 1911, importation, 5 and 6-in. pots, \$1.00 to \$1.25 each.
- Kentia Belmoreana**, 4 year old, 30 to 35 inches high, \$1.50.
- Kentia Forsteriana**, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.
- Kentia Forsteriana**, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.
- Kentia Belmoreana**, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.
- Kentia Belmoreana**, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.
- Kentia Belmoreana** combination or made up of 3 plants, 3 year old, 24 to 26 inches high, 75c to \$1.00.
- Kentia Belmoreana**, 4-in., 25c; 5½-in., 50c.
- Here is a bargain seldom offered. Only as long as we have it in stock. **Kentia Belmoreana**, made up of 3 plants, 30 to 36 inches high, 8-in. pots. Look! Only \$1.50, worth \$2.50.
- Kentia Forsteriana**, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.
- Kentia Forsteriana**, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00 each.
- Cocos Weddelliana Palms**, made up of 3 plants, 4 to 5 in. pots, 30c to 40c; 3-in., 15c.
- Areca Lutescens Palms**, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.
- Ficus Elastica** (Rubber Plant), 7-in. pots, 30 to 35 in. high, \$1.00; 25 to 30 in. high, 7-in. pots, 75c; 6-in. pots, 20 to 25 in. high, 40c to 50c; 5½-in., 30c to 35c.
- Ferns.**
- Neph. Cordata Compacts**, 4-in., 20c; 3-in., 15c.
- Scottii**, very large selected specimen plants, 5¼, 6 and 7 in. pots, 25c, 30c, 40c, 50c, 75c, \$1.00; 4-in. pots, 20c.
- Whitmani** and **Schoelzii**, 7-in. pots, 75c to \$1.00; 5, 5½, 6 to 7 in. pots, 25c, 30c, 40c, 50c to 75c.
- Giatrasi**, 5-5½ in. pots, 30c, 35c, 40c; 4-in. pot plants, 20c to 25c.
- Boston**, 7-in., 75c to \$1.00.

In Small Plants

we have the following in 2½ to 3-in. pots, at \$3 00 per 100:

- Verbenas**, assorted colors.
- Phlox Drummondii**, dwarf and grandiflora.
- French dwarf Tagetes** (the queen of the Marigolds).
- Coleus**, Verschaffeltii, Golden Bedder, Queen Victoria (fancy colors, 4c).
- Petunias**, Inimitable, Dwarf and Rosy Morn.
- Sweet Alyssum**, Carpet of Snow or Little Gem
- Thunbergia**, or Black Eyed Susan.
- Lobelia**, Crystal Palace, blue, dwarf.
- Cornflowers** (assorted).
- Centaurea Gymnocarpa** (Dusty Miller).
- Parlor or German Ivy**, 3c.
- California Giant Petunia**, 3-in., \$5.00 per 100.
- Asters**, 5 separate colors, 2½-in., 3c; Crego, mottled or striped.

Don't forget that we are the growers and shippers of **Ipomea Noctiflorum**, the pure white Moonvine, with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years: grows 50 feet and over in one season; over 25,000 are shipped every spring all over America, south, north, west and east. Mexico and Cuba, 2½-in. pots, \$3.00 per 100; 3-in., \$3.00 per 100; 4-in., \$12.00 per 100.

Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,
 1012 W. Ontario Street, PHILADELPHIA, PA.

BEAUTIES

CARNATIONS, ROSES, PEONIES

Fine Large Crops for Memorial Day

Buy Direct of the grower.

We grow all the stock we sell and guarantee it strictly fresh.

Price List

Subject to change without notice.

AMERICAN BEAUTIES

Extra long	\$3.00
36-inch	2.50
24-inch	2.00
18-inch	1.50
12-inch	1.00
Short	per 100, \$4.00

Per doz.

KILLARNEY AND WHITE KILLARNEY, RICHMOND, MARYLAND, KAISERIN AND PERLES

	Per 100
Extra long select.....	\$8.00
Good length.....	7.00
Medium length.....	\$5.00 to 6.00
Short	4.00

RHEA REIDS

Extra long select.....	\$8.00 to \$10.00
Good length	7.00
Medium length	6.00
Short	4.00 to 5.00

Per 100

LILY OF THE VALLEY.....	\$3.00 to \$ 4.00
SWEET PEAS	1.00 to 2.00
ASPARAGUS SPRAYS	3.00 to 4.00
SPRENGERI	2.00 to 3.00

CARNATIONS

Extra long fancy, O. P. BASSETT.....	\$5.00
Extra long fancy white.....	5.00
Fancy pink	4.00

Per 100

FINE EASTER LILIES

Per dozen.....	\$1.00 to \$ 1.50
Per 100.....	6.00 to 8.00
ADIANTUM	\$1.00 to \$ 1.50
GALAX—Bronze	per 1,000, \$1.00
FERNS—Eastern	per 1,000, 3.00

Peonies and all seasonable flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL

PEONIES

ALL VARIETIES

7,000 DOZEN

FOR MEMORIAL DAY

Extra Fine Large Blooms.

Write for Prices.

E. H. HUNT,

131 N. Wabash Avenue,

CHICAGO.

Mention the American Florist when writing

Chicago.

A GREAT MOTHER'S DAY TRADE.

Although Mothers' day was one of the stormiest days of the year, the rain falling in sheets and the wind blowing a hurricane that kept everybody except the most venturesome and those having necessary business indoors, which greatly curtailed the business of the retailers, yet Friday and Saturday were as busy days as the days preceding Christmas and Easter with the wholesale houses. Shipments were going in all directions on both days and one of the expressmen stated that there were a larger number of shipments on Saturday than on the day before Easter. Orders were received and forwarded in every direction, east, west, north and south, some exceptionally large shipments being made to eastern cities. There was a large supply of carnations and roses received but they were forwarded as fast as the orders could be laid out and packed and on Saturday noon there was not a white carnation left and very few colored ones to be had, Enchantress being the only variety in any over-supply. One of the dealers stated that it looked as if this favorite was being overdone. White roses also sold up well. It was a sad disappointment to the retailers to have such an inclement day on Sunday, but they all did an immense business on Saturday and the stock was pretty well sold up the night before. The transient trade of Sunday was of course lost, and this would have no doubt amounted to a large sum. The stock this week has been coming in in great quantities, the shipments of roses being very large. American Beauty is in great supply of all grades,

some elegant long-stemmed stock being received in every shipment and plenty of the shorter grades. Killarney is also in large supply and some of the stock is of splendid quality; there not having been warm weather enough yet to affect the quality, and the color is still grand. White Killarney seems to show the approaching summer more than the pink variety, some of the blooms being a little off color, still there is plenty of elegant stock. My Maryland and Mrs. Jardine are growing better each day and some splendid stock is being received. Richmond is in good supply but the buds are not so long as they were earlier in the season. Mrs. Aaron Ward, Melody and Prince de Bulgarie are featured in the window displays. Carnations came in Monday in good supply and there was a fair demand. Peonies are received in large quantities and the assortment of varieties increases every day. To the white and red offered last week have been added the early pink varieties. Spanish iris is in great quantities and they are freely shown in all colors. Tulips and narcissus are to be had in plenty. There is a very large supply of antirrhinum, especially the pink, and it is lavishly shown in the retailers' windows. Poeticus narcissus is also received in large shipments. Sweet peas are plentiful and the beautiful Spencer varieties are to be had in good quantity and of excellent quality. Mignonette is still in good supply but the blooms are not so large or the stems so long on much of this stock. Marguerites are being used in good quantities, baskets of these flowers being shown by some dealers. Gladiolus is now coming in larger supply. There is plenty of Colvillei varieties, both Bride

and Blushing Bride, and some fine blooms of Mrs. Francis King and Augusta. Orchids are plentiful enough to fill the demand, and gardenias are much cheaper. Lupines, pansies, calendula and stocks can be procured at all times. Lilacs are to be seen everywhere. Greens are not in great supply; hardy ferns are still at high prices, smilax is short and there is no great quantity of asparagus, but adiantum is plentiful enough to fill all requests.

NOTES.

Work on the new West Side park will be begun at once. The commission has procured the tract of land bounded by Central avenue, Adams street, Austin avenue and the Metropolitan "L" tracks, paying \$300,000 for the property. This will fill a long felt want in this section of the west side.

The trade was greatly shocked to hear on Saturday last of the death of J. F. Wilcox of Council Bluffs, Ia. He has been a frequent visitor to this city and was well known and very popular with all those whom he met.

W. J. Keimel is now telling his many friends about the new rose grower which arrived at his home on Monday, April 6. He is a splendid little chap and takes after his daddy.

Art Keenan says that business at his East Sixty-third street store is fully up to the standard and that the season, on the whole, is a very satisfactory one.

The Des Plaines Floral Co. is going to install the Skinner system of watering at their plant this season.

Clifford Pruner, E. H. Hunt's traveling man, started out on another business trip on May 15.

FOR DECORATION DAY and Commencements

Our Price List Will Be Mailed to You.

If it does not reach you before May 20th, write for it.

We Are Ready to Book Your Orders

For Peonies They have become one of the leaders for Memorial Day and Commencements, and should be included in your order.

For Giganteum Lilies One of the most appropriate flowers^s for Memorial Day. We have arranged to have a large quantity in for this day.

For Carnations We will have at least 250,000 for the week, a tremendous cut which will enable us to fill all orders in full.

Our Supply of Roses Will Be Very Large

Especially Short and Medium Grades, which we recommend as being first-class flowers and good stems. Will meet your requirements.

New Roses in good supply. **Melody** (yellow), **Mrs. Aaron Ward** (copper color), **Bulgarie** or **Mrs. Taft** (blush pink).

American Beauties Plenty to meet all demands—Short, Medium, Long and Specials; all perfect buds.

Lily of the Valley

Fancy and best for all occasions.

Spanish Iris

Yellow, Blue, Lavender and White.

Orchids

Choicest Cattleyas, Gigas and Mossia.

Sweet Peas

All the Fancy Butterfly and other varieties.

Mignonette, Daisies, Marguerites, Snapdragon

Also Full Line of Green Goods

Consisting of **Smilax, Plumosus, Sprengeri, Ferns, Adiantum, Mexican Ivy, Leucothoe Leaves, Galax.**

Our Florists' Supply Department

Has a full line of staple stock. Will mention specially now **Chiffons, Ribbons, Letters, Magnolia Leaves and Wreaths.**

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.



1,000 MILES



We Guarantee

To Deliver Our Carnation De Luxe in Perfect Condition
Anywhere within a radius of 1,000 miles of Chicago.

We Are in Full Crop For MEMORIAL DAY

and are now booking orders for these and all other seasonable flowers. Order early.

MEMORIAL DAY PRICE LIST.

ROSES.		MISCELLANEOUS		DECORATIVE.	
American Beauty, per doz.	\$3 00 to \$5 00				
	Per 100		Per 100		Per 100
White Killarney	\$4 00 to \$8 00	Sweet Peas, fancy	\$1 25	Adiantum, fancy long	\$1 00
Killarney	4 00 to 8 00	" medium	75 to 1 00	Farlyense	\$3 00 to 10 00
My Maryland	4 00 to 8 00	Easter Lilies	12 50 to 15 00	Smilax, per string, 30c; per doz.,	\$3 00
Richmond	4 00 to 8 00	Callas	12 50 to 15 00	Mexican Ivy	per 1000, \$6 00
Extra special roses billed accordingly.		Valley, select	3 00	Ferns	4 00
		special	4 00	Galax	1 00
CARNATIONS.		Daisies, white and yellow	2 00 to 3 00	Leucothoe sprays	75
CARNATIONS, Large Fancy De Luxe	\$5 00	Peonies	4 00 to 8 00	Asparagus Plumosus, per string	50 to 75
Good	4 00	Gladiolus } Mrs. King.. { \$1.00 to \$1.50 per doz		per bunch	35 to 50
Common	3 00	" Augusta.. {		Asparagus Sprengeri, per bunch	25 to 50
		" America..... 1.00 to 2.00 " "			

Subject to Market Changes.

Order early, as we never book orders we cannot fill. Best stock the only kind we have.

Chicago Carnation Co.,

30 E. Randolph St.,

A. T. PYFER, Manager.
PHONE CENTRAL 3373

CHICAGO.

"The Busiest House in Chicago"

Double White NARCISSUS



Gardenia Flowered

Owing to the favorable weather conditions this spring our Double White Narcissus promises to be an excellent crop and in fine condition for Memorial Day. This is one of the most popular spring flowers and the low price enables the retailer to handle it with a larger profit than other stock. We shall be able to supply any quantity but it is advisable to place your orders early.

Per 100, \$ 2.00
Per 1000, \$15.00
 Per case of 1500, \$22.50

Peonies

Our stock is very fine and consists of a large quantity of all grades and colors.

Prices per 100

	\$4.00
	6.00
	8.00

Decoration Day Price List:

BEAUTIES		MISCELLANEOUS		MISCELLANEOUS	
	Per doz.		Per 100		Per 100
Long stems.....		PEONIES , per doz., 50c, 75c and \$1 00		Iris.....	4 00 to 6 00
24 to 31 inches.....	2 50 to 3 00	Gladiolus, per doz.....	\$2 00	Pansies.....	1 00 to 1 50
15 to 20 inches.....	2 00	NARCISSUS, Double White		Smilax, per doz.....	\$2 50
12 inches.....	1 50	per 1000.....	\$15 00	Fancy Ferns, per 1000,	3 00
				Galax.....per 1000,	1 00
ROSES	Per 100	Sweet Peas.....	\$0 50 to 1 00	Adiantum.....	75 to 1 00
Killarney.....	3 00 to 8 00	Callas, per doz.....	\$2 00	Asparagus Sprengeri.....	2 00 to 3 00
White Killarney.....	3 00 to 8 00	Lilium Harrisii, per doz.,	\$1 50 to \$2 00	Asparagus Plumosus, per	
Richmond.....	3 00 to 10 00	Valley.....	2 00 to 4 00	string.....	50c to 60c
Extra Special billed accordingly.		Cape Jasmine, per 1000,	\$15 00	Asparagus Plumosus, sprays	2 00 to 3 00
Our Selection.....	3 00 to 4 00	Daisies.....	75 to 1 00	Cornflowers.....	50 to 75
CARNATIONS	Per 100	Daisies, Mammoth.....	1 00 to 1 50		
Good Grade.....	2 00 to 3 50	Tulips.....	2 00 to 3 00		
Fancy.....	4 00 to 5 00				

P. and D. at Cost.
 Prices Subject to Change without notice.

J. B. Deamud Co.

Wholesale Florists, Long Dist. Phone, Central 3155. 160 N. Wabash Ave., CHICAGO

ROSES

AND CARNATIONS

BIGGEST CROPS EVER
ORDER OF US

AND WE WILL FIX YOU UP RIGHT. WRITE NOW.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

Long Distance Phones:
Randolph 2758.
Automatic 41770.

Chicago.

The words "small cases" in Percy Jones' item last week should have been wall cases, and we gladly correct this for fear that we may be doing him an injustice and the reader might think he was going in the supply business on a small scale. This is, however, just to the contrary, for Mr. Van Gelder already has enough stock on hand to fill more than a dozen of the large sized cases that are now in use and he is constantly adding more to his line.

E. E. Pieser, the Peony King, takes great pleasure in showing Kennicott Bros. Co.'s customers what he calls his famous unknown peony which is of a beautiful shell pink color and has a fragrance similar to that of the American Beauty rose. The Peony King is very enthusiastic about his favorite flower and says that the peony is still in its infancy and that it will be for Memorial day what the carnation is for Mothers' day.

A. L. Vaughan & Co. are offering a fine lot of peonies of all the seasonable varieties, and the reports from their growers are very encouraging, and from the present outlook the supply for Memorial day will be very large. This firm enjoyed a brisk Mothers' day trade and sold out of white and red carnations at a very early hour.

Chas. W. McKellar is building a balcony in his store and when this is completed, which will be in a few days, he will be in fine shape to take care of his Memorial day trade. His tables are heavily laden with choice stock and fancy peonies of all colors are now daily offerings.

Chas. Klehm will again make his headquarters at Kyle & Foerster's store during the peony season, and he says that as far as his crops are concerned it looks at present as if the

Peonies

Large Supply Fancy Stock

ALL VARIETIES

JOHN SINNER

82-84-86 E. Randolph St., CHICAGO, ILL.

Mention the American Florist when writing.

supply will be away ahead of last year.

Erne & Klingel opened their new wholesale store this week and the proprietors are well pleased with the amount of business that they have already done. They are now receiving a good supply of stock of all kinds and are in fine shape to take care of all orders for Memorial day.

John Kruchten has added a peony grower to his list and is now offering a good supply of several of the leading varieties of this popular Memorial day flower. The gardenias that this house is offering are of fine quality and the supply is fully equal to the demand.

Jack Byers, the Chicago Carnation Co.'s popular young salesman, has returned from a few weeks' stay at Hot Springs, Ark., feeling much improved in health and is again back at work at the old stand.

The J. B. Deamud Co. is again offering a fine grade of Double White narcissus, and the last reports from this firm's growers are to the effect that the crops are in fine condition and that the outlook is bright for a large supply for Memorial day.

The Des Plaines Violet Co. is still shipping a good supply of double violets to the J. B. Deamud Co., and the quality is fine for so late in the season.

The Cook County Florists' Association will hold its next regular monthly meeting at the Union Restaurant (tonight) May 16.

J. W. Morton is now keeping Kyle & Foerster's books, having entered upon his duties Thursday, May 9.

George Collins, formerly with Peter Reinberg, is now with Henry Smith at Grand Rapids, Mich.

Geo. A. Kuhl, of Pekin, left the hospital for home, May 9.

WIETOR BROS.

162 N. Wabash Ave., Chicago

We Are in Full Crop

And Can Fill All Orders For

DECORATION DAY

Our stock is of exceptionally fine quality, both **Roses** and **Carnations** and is bound to please. Buy from us and find how pleasant and profitable it is to deal direct with the grower.

Send Us Your **ORDER NOW** Fresh Stock Carefully Packed

Decoration Day Price List:

Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60-inch stems.....\$4 00	24-inch stems.....\$1.50
48-inch stems..... 3.00	20-inch stems..... 1.25
36-inch stems..... 2 50	15-inch stems..... 1.00
30-inch stems..... 2 00	Short Stems..... .75

Killarney.

Per 100
Extra special.....\$7.00
Selects..... 6 00
Fancy..... 5.00
Medium..... 4.00
Good..... 3.00
Short stems..... 2 00

Richmond

Per 100
Extra specials.....\$7.00
Selects..... 6.00
Fancy..... 5.00
Medium..... 4.00
Good..... 3.00
Short stems..... 2.00

Jardine

Per 100
Fancy, 24-inch stems.....\$8.00
Good, 15 "..... 6.00
Short..... 4.00

White Killarney

	Per 100
Extra specials.....	7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3 00
Short stems.....	2.00

Uncle John

Fancy.....	\$6.00
Good.....	3.00
Short.....	2.00

Roses, our selection - - - **\$3.00**

Carnations,

Extra Special.....	\$5.00
Special.....	4.00
Fancy.....	3.00
Good.....	2.50

HARRISII..... 12.50 to 15.00

FERNS, per 1000, \$3.50. SMILAX, per doz., \$2 to \$3.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

The above prices are for select stock. Extra select or inferior stock billed accordingly.
All other stock at lowest market rates.

May 30, the Big Day

The Peony Is the Special Decoration Day Flower.

It makes the biggest show for the money. Also it is the most reliable shipper; you can be sure your Peonies will reach you in fine condition, that they will not go to sleep on your hands, and that they will give your customers satisfaction.

Kennicott's Is the Peony House. It was our exploitation of the Peony that made the Peony and the Decoration Day business what it is today. **We handle more Peonies than any other house in America.** For Decoration Day we ship them from Chicago to the Atlantic seaboard and to the Pacific coast.

Now booking orders. The stock this year promises to be the finest ever, and with the many thousands of plants we own or control we are assured many thousands of dozens, even with the light crops most growers report.

The finest, \$8.00 per 100; medium, \$5.00 to \$6.00 per 100; good stock, \$4.00 per 100.

DECORATION DAY PRICE LIST

This is our best judgment of Decoration Day Prices, but all stock will be billed at Chicago market rates day of shipment.

Peonies, white, pink and red---\$4.00 to \$8.00 Per 100.

	Per doz.		Per 100
American Beauties—			
Stems 30 to 40 in.....	\$3.00 @	\$4.00	
Stems 20 to 24 in.....	2.00 @	2.50	
Short	1.00 @	1.25	
Roses—			
			Per 100
Killarney, firsts		\$ 8.00	
" seconds	\$4.00 @	6.00	
" special		10.00	
White Killarney, firsts.....		8.00	
" " seconds	4.00 @	6.00	
" " special		10.00	
Richmond, firsts	8.00 @	10.00	
" seconds	5.00 @	6.00	
Kaiserin, firsts	6.00 @	8.00	
" seconds	4.00 @	5.00	
Roses, our selection, good, short stems		4.00	
Carnations—			
Fancy red	6.00 @	8.00	
Fancy, other colors	4.00 @	5.00	
Second grade, our selection, split, etc.	2.50 @	3.00	
Valley	\$ 2.00 @	\$ 4.00	
Sweet Peas .....	.60 @	1.25	
Harrisii and Callas.....	12.50 @	15.00	
Tulips		3.00	
Iris, Spanish	3.00 @	5.00	
Jasmine, Grandiflora.....		3.00	
Daisies, small kind.....	1.00 @	1.25	
Large sorts		2.00	
Gladioli, fancy large	12.50 @	15.00	
Baby....doz., 35c @ 50c			
Green Headquarters—			
Asparagus Strings	each, \$ 0.60 @	\$0.75	
Smilax, scarce	doz., 2.50 @	3.00	
Sprengeri Sprays.....	per 100, 2.00 @	4.00	
Asparagus Bunches	each, .50 @	1.00	
Galax, bronze or green, per 1000, \$1.25		per 100, .15	
Fancy Ferns	per 1000, 3.00 @	4.00	
Adiantum	per 100, .75 @	1.00	

KENNICOTT BROS. CO.

163-165 N. Wabash Ave.,

L. D. Phone Central 466,

CHICAGO.

The Chicago Carnation Co. is showing a large quantity of exceptionally fine Mrs. Francis King, Augusta and America gladioli and A. T. Pyfer says that he will have plenty of these flowers with which to supply his customers Memorial day. The carnations are still arriving in large quantities and the quality is of their usual high standard.

Fred Hoerber is serving on the jury this week and is being greatly missed at the store by his firm's many regular customers. Will Hoerber who looks after the greenhouses at Des Plaines is assisting Harry Manheim at the city salesroom during his brother's absence.

Peter Reinberg is supplying his customers with a very fine grade of Mrs. Aaron Ward roses and the cut of American Beauties, especially the long stemmed stock, and Killarney and Richmond roses is very large. The call for carnations for Mothers' day was very good and the large supply of white soon sold out at a very early hour.

Zech & Mann had a fine shipment of magnolias on May 14 that received a great deal of favorable attention from the local buyers.

J. A. Budlong did a fine Mothers' day business and succeeded in cleaning out everything in carnations with the exception of a few Enchantress.

Mr. and Mrs. Albert Horn have returned from their honeymoon and are now residing at 1827 Cornelia avenue. Mrs. Horn is a daughter of George Pochlmann and was married a few weeks previous, Reverend Kircher officiating.

C. L. Washburn and E. T. Kurowski and wife attended the funeral of J. F. Wilcox, the well-known florist of Council Bluffs, Ia., which was held in that city last Sunday, May 12.

R. A. Smythe of Benton Harbor, Mich., was in the city on business for a few days this week.

Al Lazaroff formerly with Pochlmann Bros. Co., is now with Peter Reinberg.

You Can Get It HERE DECORATION DAY EVERYTHING PEONIES

Roses, Carnations, Valley, Tulips,
Orchids, Spanish Iris, Callas
And Everything Else Mentioned Below

MEMORIAL DAY PRICE LIST

AMERICAN BEAUTIES.	Per Doz.				Per 100
Specials	\$4.00	PEONIES, Extra special			8.00
36-inch	3.00	" Special			6.00
30-inch	2.50	" Good			4.00
24-inch	2.00	CARNATIONS, fancy White and Red	\$4.00 to \$	5.00	
20-inch	1.50	" firsts			3.00
15-inch	1.25	" common splits			2.00
12-inch	1.00	ORCHIDS, Cattleyas, per doz.	\$6.00 to \$	7.50	
Short stem	per 100 \$4.00 to \$6.00	CALLAS	12.50 to	15.00	
	Per 100	TULIPS	2.00 to	3.00	
RICHMOND, select	\$8.00	SPANISH IRIS	4.00 to	6.00	
Fancy	6.00	VALLEY	3.00 to	4.00	
Medlum	4.00	MIGNONETTE, large splkes		4.00	
Good short	3.00	SWEET PEAS, common .....	.75 to	1.25	
KILLARNEY, select	\$8.00	ADIANTUM CROWNEANUM .....	.60 to	1.00	
Fancy	6.00	SMILAX	per doz., 2.50 to	3.00	
Medlum	4.00	SPRENGERI, PLUMOSUS SPRAYS	3.00 to	4.00	
Good Short	3.00	PLUMOSUS STRINGS		each .60	
WHITE KILLARNEY, select	\$8.00	FERNS	per 1000 3.00 to	4.00	
Fancy	6.00	GALAX	per 1000	1.25	
Medlum	4.00	LEUCOTHOE	per 100	.75	
Good short	3.00				

A. L. Vaughan & Co.

(Not Inc.)

TELEPHONES: { 2571 Central
 { 2572 Central
AUTOMATIC: 48-734

161 N. Wabash Avenue



Decoration Day

We will have a large supply of Peonies, Roses, Carnations and all Cut Flowers. Also a full line of Supplies and Decorative Material.

Send for Price List

CHAS. W. McKELLAR

Phone L. D. Central 3598

22 E. Randolph St., CHICAGO



Vieter Bros. are filling a large number of orders for plants of all kinds and one of the many orders that was received recently was for 7200 American Beauty plants and another for 5000 Killarney plants. The cut flower orders are also coming in very heavily and the demand for carnations for Mothers' day was so large that the firm was obliged to turn down many good sized orders.

Poehlmann Bros. Co. is having a good call for the new roses. Melody, Mrs. Aaron Ward and Prince de Bulgarie and these flowers are becoming more and more popular with the trade every day. Lily of the valley and catleyas of fine quality are leading features at this house this week.

Bassett & Washburn have not yet placed their order for their new greenhouses, but will most likely do so in the very near future, and it is the firm's intention to build as large a plant as they now have at Hinsdale, but only a portion of the range will be erected this year.

The Chicago Flower Growers' Association is enjoying a fine season and the stock that they are now offering to their customers is of very good quality. A fine lot of geraniums of all the leading varieties is offered at the store and they are meeting with very ready sale.

Arthur Weatherwax, more familiarly known as Sag, was seriously injured on Monday, May 13, in a street car collision and is now under the care of a physician. He was badly cut about the face and body and also had several teeth knocked out.

Sprinkleproof Sam., Wertheimer Bros.' star ribbon and chiffon salesman, is on his way to this city and is expected to arrive here at any moment. Get your umbrellas ready!

The E. F. Winterson Co. is the recipient of some choice stock and will be right on deck again for Memorial day with a full line of seasonable cut flowers and greens.

W. W. Randall is again calling on the A. L. Randall Co.'s out-of-town customers and left this week with a fine line of samples of all kinds.

The special park commission has scheduled a civil service examination for superintendent of parks to be held June 5.

Visitors: J. J. Hess, Mrs. Hess and family and Miss Swoboda, of Omaha, Neb., enroute to Europe; Theo. Wirth, Minneapolis, Minn.; Frank Farney, representing M. Rice & Co., Philadelphia, Pa.

Peony Flowers

We expect to have our usual number of Peony Flowers

For Memorial Day

Will be first-class, securely packed, at \$4 00 per 100, f. o. b. Springfield, O. Cash must accompany the order from unknown parties.

Orders booked subject to weather conditions. No cold storage stock

THOS. A. McBETH, Springfield, Ohio

St. Louis.

VARIABLE WEATHER.

The weather was warm during the first part of the week but Saturday and Sunday were very cool and windy, which curtailed trade somewhat. The reports of Mothers' day are favorable and prices were reasonable, white carnations selling from two to four cents. Peonies are now in. Sweet peas are growing shorter stemmed and the warm weather does not improve their keeping qualities.

NOTES.

The St. Louis Florists' Club met Thursday, May 9, with 14 members present, Robert J. Windler, in the chair, J. F. Ammann of Edwardsville, Ill., read a very able paper on the relations of grower, retailer and wholesaler. W. J. Pilcher replied for the grower, Otto Sander for the retailer, and Wm. Smith, of Wm. Smith Wholesale Floral Co., for the wholesaler. At the June meeting the value of under and over irrigation will be discussed.

The florists' dance was a great success and was enjoyed by a very select and nice attendance. The hall was beautifully decorated with flowers, and refreshments were served. The young men worked hard to make it a success. Frank Windler, P. Paddon, Al Gumz and Fred Alves deserve great credit. They will later give a select steam boat party.

Special sales of sweet peas by Paris Floral Co., Alex Seigel and Grimm & Gorly, two bunches for five cents were

made Saturday, May 11. These firms are philanthropists and good to the public, but what does the grower get?

George Waldbart, Metropolitan Floral Co., M. M. Ayres and Mrs. Newmann report a good increase for Mothers' day.

Professor Irish has resigned his position as superintendent at Shaw's Garden, to take effect July 1.

C. A. Kuehn is receiving a fine stock of all varieties of peonies. A fine trade was enjoyed on Mothers' day.

Geo. H. Angermueller did a fine business Mothers' day and had fine orchids, carnations and roses. W. F.

Chicago Bowling.

Allie Zech has received the watch fob and the six silk umbrellas that were donated as prizes to the bowling club by H. E. Philpott and John Michelsen and they are now on exhibition at Zech & Mann's store.

Following are the individual and team scores for games played Wednesday, May 8:

Orchids.		Roses.	
J. Zech...151	165 147	Stack ....148	131 146
Graff ....146	175 128	Engle ....120	118 123
Krauss ...143	177 160	Kohlbrandt. 94	127 115
Sweeney ..172	161 179	Wolf .....150	152 140
Huebner ..130	176 177	Foerster ..169	178 180
Totals...742	854 797	Totals...681	708 704
Carnations.		Violets.	
Lorman ...164	144 177	Schlossm'u.175	158 163
Ayers ....160	140 155	Cozler ....136	133 128
Schultz ...156	175 129	Goerisch ..129	178 155
Ballitt ...147	162 187	Foerster ..160	194 146
A. Zech...180	175 183	Price .....151	150 155
Totals...807	796 822	Totals...751	813 747

ROSES

Specially Strong on

White and Pink Killarneys
and Richmonds

Also **LONG BEAUTIES**

And Fancy Carnations

Crops are large and the flowers are particularly fine for shipping orders. You had better place yours with us now for we are confident that we can please you.

—CURRENT PRICE LIST.—

Send Your Orders Direct to the Grower and They Will be Taken Care of

AMERICAN BEAUTIES		Per doz.		
Extra long stems.....		\$3 50	Mrs Aaron Ward	{ Select \$10 00
36 inch stems.....		3 00		{ Medium 8 00
30 inch stems.....		2 50		{ Short \$4 00 to 6 00
24 inch stems.....		2 00	Sunrise.....	{ Select \$6 00
20 inch stems.....		1 75		{ Medium 5 00
15 inch stems.....		1 50		{ Short 4 00
12 inch stems.....		1 25	Roses, our selection.....	4 00
Short Beauties		\$0.50 to 1 00	Carnations, all good.....	4 00
Richmond	} Select \$8 00		Harrisii	per doz. 1 50
Killarney.....		Medium \$5 00 to 6 00	Valley	3 00 to 4 00
White Killarney		Short 4 00	Sweet peas	75 to 1 25
My Maryland...			Tulips	3 00
			Adiantum	1 00
			Asparagus, per bunch.....	50
			Ferns, per 1,000	3 50

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph St., CHICAGO.

ROSES, CARNATIONS, PEONIES, SWEET PEAS, CALLAS, LILIES, GARDENIAS, VALLEY, and GREENS of all kinds **SPECIAL ATTENTION**

Paid to Out of Town Orders. Try us.

JOHN KRUCHTEN

162 N. Wabash Ave., Phone Central 6269 CHICAGO

Philadelphia.

GREAT DEMAND MOTHER'S DAY.

Business last week, with the exception of the wind-up, was dull and for the most part unsatisfactory. There were quantities of flowers of all kinds with the exception of carnations, which were apparently being held back for the last two days. American Beauties are to be had in quantity and are still of very fair quality, although the tendency is to cut them too tight. All the other roses are beginning to show the effects of the advancing season and are quite perceptibly smaller. Carnations are in good shape. Sweet peas are off on account of the cloudy and rainy weather. Snapdragon is fine and can be had in quantity. Peonies are in, coming from Virginia. The quality is good for the first. Nothing local will be seen for perhaps two weeks, the height of the peony season being about Decoration day. Cattleyas and lily of the valley are about up to the demand. Gardenias find favor with the street men so they are too plentiful. Lilac has been a factor the past week, large quantities being used, and this has helped to keep down the price of the inside stock. The demand for Mother's day dominated the market on Friday and Saturday. With many it was white carnations or nothing, and in consequence prices soared. Six to twelve dollars was the price. For \$6 the smallest Boston Market and culls of other white sorts were handed out; \$8 brought the best Boston Market and others in same grade, while \$10 to \$12 secured the best white Alma Ward, White Perfection and White Enchantress. Everything in the white carnation line was sold out clean and many more could have been disposed of, out-of-town orders being cut heavily, as the stock was not to be had to fill them. Quite a number of the large buyers sought the New York market, one retail dealer bringing in over 5,000 flowers. First-class Enchantress and Mrs. C. W. Ward could be had for \$4 per 100 in quantity, but the public wanted white and would rather pay from 15 to 25 cents a flower for the white than \$1 per dozen for other colors. The high price caused much grumbling. Quite a few of the stores would not pay the price, saying they were sold out rather than inflict the high prices on their customers. Others sold from \$1 to \$1.50 per dozen, handling without profit rather than seem to hold up for a high price. Charles Meehan said he

wished he had been away, as there was so much dissatisfaction from some at the increased prices and with others because they could not fill their orders. He said that the supply and demand makes the price when customers were anxious to get the best, and if the supply is limited; values jump; it is impossible to keep them down. We offered splendid flowers of other colors at \$4 per 100, but buyers would pay \$8 to \$12 for the white, showing that they must have thought them worth the money. Now is the time to prepare for the return of this celebration for next year. Let the interested parties, the large growers and commission men in the different parts of the country agree on some plan to help Miss Jarvis in her work of popularizing this custom. She is indignant that such high prices are charged for white carnations by the florists. Whether she could change the emblem to any white flower, or to colored flowers for the living mother is a question. But if the trade would get together and lend a helping hand—a hand that had money in it—and explain the almost impossibility of furnishing enough white carnations should the custom become as universal as Miss Jarvis hopes to make it, she would no doubt co-operate with them so that nearly all flowers would be used.

NOTES.

Bowling has taken a new lease of life on the club alleys, and a game on Monday last between a team of old-timers and another selected from the associate members gave a cheerful atmosphere to the club room that has been sadly missed for a long time. Some very good scores were made, notably that of Adelberger, 221, and Connor, 269—all strikes except a spare for the third frame and the second ball of the last frame. A return match will be bowled between the same teams on Monday night.

Florists.			
Robertson	183	158	171—512
Adelberger	140	221	121—482
Dodds	172	190	185—557
Craig	123	137	165—525
Connor	153	269	181—603
Kift	153	147	139—439
Totals	924	1122	962—3118
Associates.			
Eiernerman	170	161	201—532
Gross	141	148	179—468
Rowley	125	122	197—444
Holmes	137	136	179—452
McCutcheon	169	144	180—493
Newfield	198	157	183—538
Totals	940	868	1119—2987

Detroit.

SUCCESSFUL ADVERTISING.

Mothers' day developed a surprisingly big business for the florists of this city. In marked contrast with the efforts of the trade to develop business for McKinley day, the results in connection with the former were highly satisfactory, while McKinley day scarcely calls forth a comment in florists' circles. A large share of the credit for the phenomenal trade we enjoyed was due to the efforts of the florists themselves, who, early in the week, began to advertise the approaching event and exploited it with extensive window decorations and cards suggestive of remembering mother with flowers on the day officially set apart for that purpose. The florists, too, caused the mayor to issue a proclamation eulogizing the practice of sending flowers to the dearest one on earth, and with these agencies at work all the week crystallized Saturday into a demand for all kinds of flowers similar to that of Easter, and even though the weather was unfavorable for shopping, being cloudy with occasional showers, nevertheless the florists' stores were sought by thousands. Sunday itself there was rain almost constantly, but still much trade was done. Fortunately the supply of flowers was equal to the demand, with the exception of white carnations, and on these alone were prices advanced, wholesaling at \$4 per hundred and retailing uniformly at 10 cents each, or a dollar per dozen.

NOTES.

Herman Klagge, who retired May 10 from the service of John Breitmeyer's Sons, was the recipient of a gold watch and the best wishes of that firm, where he had worked for thirty years. Mr. Klagge, with his nephew, Herman D. Klagge, acquired ownership of the Flower Shop, 37 East Grand River. Visitors: E. J. Fancourt, M. Reukauf, Philadelphia. J. F. S.

SPRINGFIELD, N. J.—The Springfield Floral Co. is erecting a new greenhouse on West Springfield avenue.

NEW BRUNSWICK, N. J.—Henry J. Tice has moved from George street to the Landsberg-Jelin building on Albany street. He has occupied the store in the Bears building on George street for several years, but it is now to be torn down.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones: Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.
G. C. WEILAND, Sec'y.

Large Crops

OF EVERYTHING SEASONABLE FOR

Memorial Day

So place your order with us. We are continually adding new shippers to our Association and we are in excellent shape now to take care of all orders. Better give us yours now, for we are particularly strong on choice shipping stock.

Geraniums

Good Assortment. Plenty of S. A. Nutt, 4-inch Stock, \$9.00 per 100.

Memorial Day Price List:

	GRADE—	A	B	C	D	E	F	G
American Beauties.....	per dozen	\$ 5 00	\$ 4 00	\$ 3 00	\$ 2 50	\$ 2 00	\$ 1 50	.....
Killarney.....	per 100	8 00	6 00	5 00	4 00	3 00	2 00	.....
White Killarney.....	"	8 00	6 00	5 00	4 00	3 00	2 00	.....
Richmond.....	"	8 00	6 00	5 00	4 00	3 00	2 00	.....
My Maryland.....	"	8 00	6 00	5 00	4 00	3 00	2 00	.....
Perle.....	"	8 00	6 00	5 00	4 00	3 00	2 00	.....
Maids.....	"	8 00	6 00	5 00	4 00	3 00	2 00	.....
Brides.....	"	8 00	6 00	5 00	4 00	3 00	2 00	.....
Carnations.....	"	4 00	3 00	2 00	.....	.....	.....	.....
Callas.....	"	10 00	.....	.....	.....	.....	.....	.....
Easter Lilies.....	"	10 00	8 00	.....	.....	.....	.....	.....
Orchids, Cattlevas.....	"	50 00	35 00	.....	.....	.....	.....	.....
Lily of the Valley.....	"	4 00	3 00	.....	.....	.....	.....	.....
Iris.....	"	5 00	4 00	3 00	.....	.....	.....	.....
Sweet Peas.....	"	1 00	75	.....	.....	.....	.....	.....
Mignonette.....	"	4 00	3 00	.....	.....	.....	.....	.....
Tulips, assorted colors.....	"	3 00	2 00	.....	.....	.....	.....	.....
Jonquils.....	"	3 00	2 00	.....	.....	.....	.....	.....
Daisies.....	"	1 00	75	.....	.....	.....	.....	.....
Asparagus Plumosus Sprays.....	"	4 00	3 00	2 00	.....	.....	.....	.....
Asparagus Sprengeri Sprays.....	"	4 00	3 00	2 00	.....	.....	.....	.....
Mexican Ivy.....	"	75	.....	.....	.....	.....	.....	.....
Smilax.....	"	25 00	.....	.....	.....	.....	.....	.....
Adiantum.....	"	1 00	75	.....	.....	.....	.....	.....
Galax, Green or Bronze.....	per 1000	1 00	.....	.....	.....	.....	.....	.....
Ferns.....	"	3 00	2 50	.....	.....	.....	.....	.....
Peonies.....	"	8 00	6 00	4 00	.....	.....	.....	.....

WE ARE READY

to fill your order for anything in Cut Flowers and Greens and can assure you of the best stock that the market affords. Out-of-town florists will find it to their advantage to place a trial order with us. **DO IT NOW.**

Memorial Day Price List.

AMERICAN BEAUTIES.	Per Doz.		Per 100	ORCHIDS, Cattleyas, per doz.	\$6.00 to 7.50
Specials	\$4.00	KILLARNEY, select	\$8.00	CALLAS	Per 100 12.50 to 15.00
36-inch	3.00	Fancy	6.00	TULIPS	2.00 to 3.00
30-inch	2.50	Medium	4.00	SPANISH IRIS	4.00 to 6.00
24-inch	2.00	Good short	3.00	VALLEY	3.00 to 4.00
20-inch	1.50	WHITE KILLARNEY, select	8.00	MIGNONETTE, large spikes	.75 to 1.25
15-inch	1.25	Fancy	6.00	ADIANTUM CROWNANUM	.60 to 1.00
12-inch	1.00	Medium	4.00	SMILAX	per doz., 2.50 to 3.00
Short stem	per 100, \$4.00 to 6.00	Good short	3.00	SPRENGERI,	
	Per 100	PEONIES, Extra special	8.00	PLUMOSUS SPRAYS	3.00 to 4.00
RICHMOND, select	\$8.00	Special	6.00	PLUMOSUS STRINGS	each, .60
Fancy	6.00	Good	4.00	FERNS	per 1,000, 3.00 to 4.00
Medium	4.00	CARNATIONS.		GALAX	per 1,000, 1.25
Good short	3.00	Fancy White and Red	\$4.00 to 5.00	LEUCOTHOE	per 100, .75
		Firsts	3.00		
		Common splits	2.00		

ERNE & KLINGEL,

30 E. Randolph St., L. D. Phone Randolph 6578 Chicago.

E. F. WINTERSON CO.

166 N. Wabash Ave.,
CHICAGO

Headquarters for All Decoration Day Flowers

Rochester, N. Y.

The bright warm weather of the past week has done much to brighten the hearts of the city florists. The market is pretty well cleaned up and there is no oversupply of any one kind of flowers. Prices continue to be about as last report. Growers have been holding back white carnations for Mothers' day for they are in great demand, having fragrance, purity, lasting quality and firmness, symbolic of motherhood. Sweet peas are plentiful and come in very useful for all kinds of work. Pansies are good and used a great deal for corsages. There is an oversupply of outdoor bulbs. Roses are very good on arrival but soon begin to show the brown petals if kept a little time. Yellow, pink and white snapdragons are still in their prime and are sold at very reasonable prices. Carnations begin to show brown outer petals and do not keep well. Some especially good lily of the valley is now seen. Gladioli is being shipped in but is not very good. Mothers' day was observed far more than last year, most of the stores doing a good business. A far better trade could be done Mothers' day if it was advertised in the local papers. Let us remember this next year.

NOTES.

One of the most beautiful exhibits at this season is the magnolia trees in Oxford street. They were at their best on Sunday last. Persons come from distant cities every year to see them. This row of trees in the middle of the street is one of the best displays of magnolias in the world. On each side of the street is a row of Norway maples, which are now in bloom.

Visitors:—S. Green of H. Bayersdorfer & Co. and James F. Smith of Wm. J. Boas & Co., of Philadelphia, Pa.; M. Adler, the novelty man; W. Reed of Reed & Keller, New York; E. K. Sithens of the Bowen-Dungan Co., Philadelphia, Pa.

Henry P. Neun of North street has a fine display of boxwoods, both stand-

ards and pyramids, in front of his store, which makes it look very attractive. He had a special on sweet peas for Saturday at 25 cents a bunch.

Over 20,000 tulips are in blossom in Jones park, including some very interesting species received from Europe a year or two ago. Some of these are very expensive and in some cases only 25 of a kind are grown.

Mrs. Edwin P. Wilson will entertain the Lady Florists' Association at her home Tuesday, May 14.

E. R. Fry reports business as very good and is doing a good business in spring plants.

The Park Board planted something like 150,000 bulbs in the various parks of the city. H. J. H.

Boston.

ECHO OF MOTHER'S DAY.

We often read of a bullish market in Wall Street, and such a condition existed in the carnation market Saturday, May 11. An advance from 60 cents to \$1.00 per 100 in January to \$8.00 per 100 on that day. Mothers' day was responsible for this boom in the price of white carnations. From the wholesaler's, retailer's and the public's point of view it was robbery, but with the grower it was just getting square for the hard times passed through last winter. Carnations at present are very scarce and the call for white caused the jump in prices. Certainly the public will not stand for it, for they are under the impression that the florists have boosted the prices when there was no need of it, and they do not understand the situation. One dealer ordered 1,000 carnations at a certain reasonable price and 200 were delivered. Of course the person who ordered them of the dealer will make a protest, and the individual orders he had would have to be refused. There will be growling, kicking and general dissatisfaction over the results of the day. It would have been much better had the lady who promoted the day made it broader so that any white

flower could have been used. We all make mistakes and this is one. McKinley day is different. The late president was partial to the pink carnation, but the public after a while will be heartily sick of the whims and caprices of picking a certain flower, with the price boosted. The grower will eventually have them left on his hands. The market in other lines of goods is healthy. Little outside work has been done yet. Many of the carnation growers have not started planting. We are still having wet, cold weather, and the matter of working the ground has been a problem. Unless it gets too warm we ought to get a good crop of hay, that commodity at present reaching \$30 per ton wholesale.

NOTES.

Welch Bros. report good business on all lines and say the volume of business for Memorial day will be large. Orders are already coming in freely.

The Public Garden is a blaze of color. This is one of the breathing places, and this year for variety of color it maintains its former glory.

John Barr could not root or get cuttings of Pink Delight fast enough for the orders he received.

Wm. Patterson is cutting some excellent tulips, Pride of Harlem. MAC.

Omaha.

J. J. Hess and wife, their son Carl, and daughter Margaret and Miss Swoboda, left May 11, for Europe, their intention being to sail from New York by the S. S. President Grant of the Hamburg-American line, May 18. Mr. Hess and his family will make an extended tour, returning next fall. Miss Swoboda, who has just graduated from high school, will remain abroad a year or more to complete her studies.

John Peterson has the sympathy of the trade in the sudden death of his oldest daughter, who was happily married to a young South Dakota banker last year, and visited her parents here less than two weeks ago. The funeral was held May 12.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. E. H. HUNT CHICAGO, ILL.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Buffalo.

MOVING TIME.

From all sides business the past week has been good considering the fact that many are moving, and this city unlike any other has its moving time from May 1 until about May 6. If only leases were made out from the date of occupancy there would not be that cessation of social festivities which should be held in May, when many flowers that are past after the second week are those which are wanted for a special date. Localities of course govern flowers, but lilac is one flower that the local growers have had inside. Now the call is for white lilac and it is gone by inside and the weather is so cold that our outdoor stock is backward. So much for lilac, but tulips, narcissi and daffodils are in, but in what condition? Not any such flower that the florist who is doing an up to date business can sell to his customers. Carnations and roses have been in good supply, the latter being over stocked. While carnations have not been going to waste the enterprising growers held them back for Mothers' day. Mothers' day is one that should be encouraged by the florist not only for business reasons, but for mother. Now from a business point of view if we are to make Mothers' day a popular day, it must be done in a different way from that desired by the lady who inaugurated it. A white carnation for everyone who wanted it for a mother who is dead, would place a prohibitive price on all white carnations and only the few could honor her memory. But if it can be said, wear a white flower for mother dead, and a colored flower for mother if living, not only would the florist be able to supply all the demands, but the man or woman be they blonde or brunette, auburn or otherwise with the dress or suit of any color could wear

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

Percy Jones

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, May 15.		Per doz.
Roses, Beauty, specials.....	3 50@4 00	
" " 36-in.....	3 00	
" " 30-in.....	2 50	
" " 24-in.....	1 50@2 00	
" " 15-20-in.....	1 25	
" " 12-in.....	1 00	
		Per 100
" " Short.....	4 00@6 00	
" Killarney.....	2 00@8 00	
" White Killarney.....	2 00@8 00	
" Richmond.....	2 00@8 00	
" Prince de Bulgarie.....	6 00@12 00	
" Mrs. Aaron Ward.....	6 00@12 00	
" My Maryland.....	2 00@8 00	
" Perle.....	2 00@8 00	
" Melody.....	6 00@12 00	
" Bride.....	2 00@8 00	
" Bridesmaid.....	2 00@8 00	
" Uncle John.....	2 00@6 00	
" Mrs. Jardine.....	4 00@8 00	
Carnations.....	1 50@4 00	
Cattelyaa..... per doz.,	6 00@7 50	
Dendrobium Nobile.....	10 00@12 50	
Gardenias.....	2 00@3 00	
Lilium Harriaii..... per doz.	1 50	
Callas..... per doz.,	1 50@2 00	
Mignonette.....	4 00	
Spanish Iris.....	4 00@6 00	
Sweet Peaa.....	30@1 00	
Pansies.....	1 00	
Peonies.....	4 00@8 00	
Tulips.....	2 00@3 60	
Valley.....	3 00@4 00	
Adiantum Croweanum.....	1 00	
Boxwood..... per bunch,	25	
Ferna..... per 1000,	3 00@3 50	
Galax bronze.....	1 25	
Leucothoe.....	75	
Plumosa String..... each,	60	
Smilax..... per doz.,	2 50@3 00	
Sprengerl. Plumosa Sprays.....	3 00@4 00	

a flower and still be within the price of a cigar or glass of soda. Figure it out, white and colored carnations, the former were as high as at Christmas. The retailer is not placed on a pivot like the stock broker, he is here

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

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162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

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WIETOR BROS.

Wholesale Cut Flowers
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing



ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carnations,
Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co
 Lickrun, Cincinnati, Ohio

Young Rose Stock WELCH BROTHERS,

American Beauty, Killarney, Richmond, Kaiserin,
 Bon Silene and Safrano. All clean, healthy stock.
 WRITE FOR PRICES.

226 Devonshire St., BOSTON, MASS.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.
 Asparagus Sprengerii seedlings, 75c per 100; \$5.00 per 1000.

Acacia Pubescens, American Beauty, Valley,
 Carnations, Killarney, Richmond, Maryland,
 and other seasonable stock.

W. H. ELLIOTT, Brighton, Mass.

SPHAGNUM MOSS

Fresh, clean, dry Sphagnum Moss, put up
 in burlap bales, now ready for prompt
 delivery.

GEO. H. ANGERMUELLER,
 Wholesale Florist.

1324 Pine Street, ST. LOUIS, MO.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

Mention the American Florist when writing.

all the time and must offer some reasonable excuse for the sudden rise in the price of a certain flower. If it is to be a yearly observance, make it a white and colored flower with no restrictions, otherwise we will have to discourage Mothers' day, but the people will always remember mother.

BISON.

Albany, N. Y.

Whittle Bros. have taken over the store at 52 North Pearl street and are about to renovate it completely for a retail business. Marcus T. Reynolds, architect, has prepared plans for a new front which will be unlike anything of the kind at any florist's shop in this section. The entrance will be in the center of the store and flanked by large semicircular windows almost wholly of plate glass. A new ice box was installed within, near the front, a few days ago. Later in the season the interior will be refinished, the ceiling being done in cream color and the side walls in light green burlap. The furniture and fittings will be white and in the rear of the store, elevated by a few steps, will be a conservatory.

R. D.

DANBURY, CONN.—E. E. Mathewson has opened a store at 87 White street, in addition to the one at 63 North street. The new store has been attractively refitted.

NEWARK, N. J.—The sales at Easter averaged about the same as they have the last few years, states H. C. Strobbe & Bro., as did also the prices, and the supply of both plants and cut flowers was adequate. Azaleas, roses, bulbous plants and made-up baskets sold well, but genistas, rhododendrons and lilac went slowly. Cut flowers all sold well, roses, carnations, narcissus and sweet peas being the favorites. The weather was fine and there was more competition, but everybody had a fine trade.

Wholesale Flower Markets

PHILADELPHIA, May 15. Per 100

Roses, Beauty, extra.....	20 00@25 00
first.....	8 00@12 00
Brides and Maids.....	4 00@10 00
Killarney.....	4 00@15 00
White Killarney.....	4 00@15 00
Liberty.....	4 00@15 00
Callia.....	10 00@12 00
Cattleyas.....	35 00@50 00
Daffodils.....	2 00@ 3 00
Gardenias..... per doz., 1 00@ 2 00	
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Marguerites.....	75@ 1 00
Mignonette.....	3 00@ 4 00
Snapdragons.....	8 00@12 00
Sweet Peas.....	50@ 1 00
Tulips.....	2 00@ 3 00
Violets, single.....	75@ 1 00
double.....	75@ 1 00
Adiantum..... per bunch, 50	
Asparagus.....	1 00@ 1 50
Smilax.....	15 00@20 00

BOSTON, May 15. Per 100

Roses, Beauty, best.....	20 00@35 00
medium.....	12 00@25 00
culls.....	2 00@ 4 00
Bride, Bridesmaid.....	2 00@ 6 00
Extra.....	6 00@12 00
Killarney and Richmond.....	4 00@12 00
My Maryland.....	4 00@12 00
Carnot.....	6 00@12 00
Carnations, select.....	1 00@ 3 00
Callias.....	8 00@12 00
Cattleyas.....	35 00@50 00
Gardenias.....	12 00@20 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	2 00@ 4 00
Mignonette.....	3 00@ 6 00
Narcissus, yellow.....	1 00@ 3 00
white.....	1 00@ 3 00
Sweet Peas.....	1 00@ 1 50
Smilax.....	12 00@16 00
Snapdragon.....	6 00@ 8 00
Violets.....	35@ 75

CINCINNATI, May 15.

Roses, Beauty..... per doz., 50@ 4 00	
Bride, Bridesmaid.....	2 90@ 8 00
Killarney.....	2 30@ 8 00
My Maryland.....	2 00@ 8 00
Perle.....	2 00@ 8 00
Richmond.....	2 00@ 8 00
Tait.....	2 00@ 8 00
Carnations.....	2 00
Lilium Giganteum.....	8 00@10 00
Callias.....	8 00@10 00
Gladioli.....	8 00@10 00
Iris.....	3 00@ 4 00
Lily of the Valley.....	3 00
Sweet Peas.....	25@ 35
Tulips.....	2 00@ 3 00
Adiantum.....	1 00
Asparagus Plumosus..... per bunch, 25	
Asparagus Sprengerii..... per bunch, 25	

ST. LOUIS, May 15.

Roses, Beauty, medium stems.....	25 00@30 00
short stems.....	2 00@ 4 00
Bride, Bridesmaid.....	3 00@ 4 00
Killarney.....	3 00@ 6 00
My Maryland.....	3 00@ 6 00
White Killarney.....	2 00@ 6 00
Carnations.....	2 00@ 3 00
Callias.....	5 00@ 6 00
Easter Lilies.....	10 00
Peas.....	40@ 60
Valley.....	3 00@ 4 00
Violets, Single.....	35@ 50
Asparagus Sprengerii.....	2 00@ 3 00
Asparagus Plumosus..... per bu., 35@ 60	

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J. M. McCullough's Sons Co,
 Wholesale Commission Florists.
 —CONSIGNMENTS SOLICITED.—
 Special attention given to Shipping Orders.
 Jobbers of FLORISTS' SUPPLIES
 SEEDS and BULBS.
 Price List on Application.
 316 Walnut St., CINCINNATI, OHIO.
 Phone Main 584.

WM. C. SMITH
 Wholesale Floral Co.
 WHOLESALE FLORISTS
 1316 Pine St., ST. LOUIS, MO.
 Both L. D. Phones. Supplies and Everything in Season always on hand

Fresh Cut Valley
 AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
 1312 Pine St., ST. LOUIS, MO.
 A Complete Line of Wire Designs.

THE MUNK FLORAL CO.
 Wholesale Growers of CUT
 FLOWERS and Jobbers of
 FLORISTS' SUPPLIES.
 Columbus, Ohio

C. E. CRITCHELL
 34-36 Third Ave. East, CINCINNATI, O.
 Wholesale Commission Florist
 Consignments Solicited
 Complete Stock of Florists' Greens and Supplies
 Please mention the American Florist when writing.

H. G. BERNING
 Wholesale Florist,
 1402 Pine St., ST. LOUIS, MO.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Trumpets, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

You will be agreeably surprised at the fine quality of our

FANCY
\$2.50 per 1000.

FERNS

DAGGERS
\$2.00 per 1000.

The best Ferns you ever bought so late in the season.

THE LEO NIESSEN CO.,

Wholesale Florists,

12th and Race St., PHILADELPHIA, PA.



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

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Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

GUST. RUSCH & CO.



Wholesale Florists
Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.
448 Mil-
waukee St., Milwaukee, Wis.

Mention the American Florist when writing

Wholesale Flower Markets

BUFFALO, May 15.		Per 100
Roses, Beauty, special.....	25 00@30 00	
" " fancy	20 00@25 00	
" " extra	12 00@15 00	
" " No. 1.....	8 00@10 00	
" " No. 2.....	3 00@ 5 00	
Bon Silene.....	2 50@ 3 00	
Perle.....	5 00@ 8 00	
Maid and Bride.....	3 00@ 6 00	
Pink Killarney.....	3 00@ 8 00	
White Killarney.....	3 00@ 8 00	
Richmond.....	5 00@10 00	
My Maryland.....	3 00@ 8 00	
Carnations.....	1 50@ 3 00	
Callas.....	8 00@10 00	
Daffodils.....	1 00@ 2 00	
Daffodils, Single.....	1 00@ 2 00	
Daisies, white.....	1 00@ 1 50	
Lilium Longiflorum.....	8 00@10 50	
Lily of the Valley.....	3 00@ 4 00	
Mignonette.....	2 00@ 3 00	
Myosotis.....	15c to 35c per bunch	
Pansies.....	10 to 25c per bunch	
Romans.....	2 00@ 3 00	
Swainsons.....	1 00@ 1 50	
Sweet Peas.....	50@ 1 00	
Tulips, Yellow and White.....	2 00@ 3 00	
Adiantum Crowsanum.....	75@ 1 50	
Asparagus, per bunch.....	35@ 50	
Asparagus Sprengerii.....	35@ 50	
Smilax.....	15 00	

PITTSBURGH, May 15.		Per 100.
Roses, Beauty, special.....	25 00	
" " extra	12 00@25 00	
" " No. 1.....	6 00@10 00	
" " Bride, Bridesmaid.....	2 00@ 4 00	
" " Chatanay.....	2 00@ 4 00	
" " Killarney.....	2 00@ 4 00	
" " My Maryland.....	2 00@ 4 00	
" " Richmond.....	2 00@ 4 00	
Carnations.....	1 50@ 2 00	
Cattleyas.....	50 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	4 00	
Ocridiums.....	3 00@ 4 00	
Sweet Peas.....	50	
Violets, single.....	25	
" " double.....	50	
Adiantum.....	1 00	
Asparagus Sprengerii, per bunch,	35	
sprays.....per bunch,	35	




A Good Place to Buy Cut Flowers.
Palms, Ferns

Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO.,
Milwaukee, Wis.

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Mention the American Florist when writing

MILWAUKEE, May 15.	
Roses, Beauty, per doz., 1 00@	4 00
" Killarney.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" White Killarney.....	2 00@ 8 00
Carnations.....	2 00@ 4 00
Lilium Giganteum.....	8 00@10 00
Lily of the Valley.....	3 00
Daffodils.....	3 00
Poeticus.....	2 00
Sweet Peas.....	50@ 1 00
Tulips, Single.....	3 00
" Double.....	4 00
Adiantum.....	1 50
Asparagus..... per string,	50
" Sprengerii, per bunch,	35@ 50
Ferns, Fancy..... per 1000,	2 50
Galax, green..... per 1000,	1 50
" bronze..... per 1000,	1 50
Boxwood .. per bunch.....	25

Seattle Cut Flower Exchange

Removed to
1608 Second Ave., SEATTLE, WASH
Everything in Cut Flowers, Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

EVERYTHING SEASONABLE

THE MCGALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

We are getting "cold feet," like some of our contemporaries; so to close out our surplus spring bulbs we are going to cut prices—and offer till sold—the following less 5 per cent if cash accompanies the order.

BODDINGTON'S QUALITY CANNAS

ALL AT \$15-00 PER 1000; \$1.75 PER 100.

RED FLOWERING, GREEN FOLIAGE CANNAS.
 ALICE ROOSEVELT, 4 ft. BLACK PRINCE, 3 to 4 ft.
 PRES. MEYER, 4 ft.

RED, GOLD-EDGED, SPOTTED AND YELLOW CANNAS.
 REVOLUTION, 5 ft. QUEEN CHARLOTTE, 3½ ft.
 GLADIATOR, 4 ft. KEMNER, 2½ ft.
 GOLDEN KING, 5 ft. SOUV. DE A. CROZY, 4 ft.
ORANGE SHADES.
 WYOMING, 7 ft.

PINK FLOWERING CANNAS.
 LOUISE, 5 ft. MILLE BERAT, 4½ ft.
 VENUS, 3½ ft.

BRONZE-LEAVED, RED FLOWERING CANNAS.
 MUSAFOLIA, 6 ft. ROBUSTA, 6 to 8 ft.
 SHENANDOAH, 6 ft.
YELLOW SHADES.
 FLORENCE VAUGHAN, 5 ft. RICHARD WALLACE, 4½ ft.

THE BEST DAHLIAS FOR FLORISTS, IN GOOD VARIETY.

\$1.00 per 12, \$8.00 per 100, \$75.00 per 1000.
 For full list and descriptions see our wholesale catalogue, mailed on request, free.

BODDINGTON'S QUALITY LARGE-FLOWERING

TUBEROUS-ROOTED BEGONIAS.

Single-Flowering Tuberos-Rooted.
 Crimson Rose Salmon
 Scarlet Pink, Light Orange
 White, pure Yellow Copper
 25c per doz., \$1.25 per 100, \$12.00 per 1000.

Single Crested Begonias.

This strain of Begonias ranges in all colors—salmon, pink, white, yellow, copper and scarlet; petals carry on the upper side a crested formed cockscomb. Separate colors, 75 cts. per doz., \$6.00 per 100; mixed, 65 cts. per doz., \$5.50 per 100.

Single Frilled Begonias.

These are of the finest types of a single Begonia, the petals being heavily frilled on the edges. To color, 10 cts. each, 65 cts. per doz., \$5.00 per 100; all colors mixed, 60 cts. per doz., \$4.50 per 100, \$42.50 per 1000.

Double Begonias.

	Doz.	100
Duke Zeppeliu—Intense pure vermilion-scarlet	\$1.00	\$ 7.50
Lafayette—Rich brilliant crimson-scarlet.	1.25	10.00

Boddington's Quality Gladioli

AMERICA. This beautiful new Gladiolus has produced as great a sensation as the now famous Princeps. The flowers, which are of immense size, are of the most beautiful flesh-pink color, and, as a florist who saw it said, it is "fine enough for a bride's bouquet." \$3.75 per 100, \$35.00 per 1000.

Brenchleyensis (true). Fiery scarlet.	100	1000
Top roots, 2 and 2½ in.	\$ 2.00	\$18.00
First size bulbs, 1¾ to 2 in.	1.50	14.00
Second size, 1 to 1½ in.	1.25	10.00

Mrs. Francis King —Color of flower is a light scarlet of a pleasing shade; selected bulbs	2.75	25.00
First size	2.25	21.00

Princeps —Color rich crimson, with broad white blotches across the lower petals. Flowers can be grown to nearly 8 in. in diam. under stimulating culture. Doz. \$1.50	12.00
--	-------	-------

Groff's Hybrids (originator's strain). Extra selected	1.50	12.00
First size	1.25	10.00
Shakespeare —White and rose	5.50	50.00

John Bull —A very fine white, slightly tinted lavender. A good forcer	1.75	16.00
De Lamarck —Cherry red, a grand variety.	1.75	16.00
Ceres —A good white, tinted lavender	1.75	16.00

American Hybrids —A mixture of the choicest varieties of Gladiolus in equal proportion; very fine.	1.00	9.00
Striped and Variegated	2.50	23.00
Pink and Rose shades	1.50	14.00
Orange and Yellow shades	4.00	35.00
Scarlet and Red shades	1.50	12.00
Lemoine's Hybrids	1.50	12.00

Childsii		
First quality, mixed	2.25	20.00
Good quality, mixed	1.50	14.00

GRAND NOVELTY ORCHID-FLOWERED GLADIOLUS KUNDERDI "GLORY"

has "distinctiveness" stamped all over it; it will not only revolutionize the family of garden Gladiolus but will be one of the most important factors in commercial floriculture. The type is distinctively new. Broad-expanded, wide-open flowers, paired by twos, face all in the same direction, and are carried on straight, stout stalks never less than 3½ ft. in height. From four to eight flowers are open at one time. The form: each petal is exquisitely ruffled and fluted at the edges, such as is only noticeable in Orchids. It gives the flower a refined appearance, and it appeals instantly to the fancier. The color is delicate cream-pink with a neat, attractive crimson stripe in the center of each lower petal. The shade of pink is unknown in Gladiolus. 10 cts. each, \$1.00 per doz., \$7.50 per 100, \$70.00 per 1000.

Boddington's Quality Gloxinias

Gloxiala Erecta Grandiflora.

This popular flowering plant is coming into greater vogue than ever, not only as a pot plant for house decoration, but also for cut flower purposes. Our strains of Gloxinias are the true erect-flowering type, grown by a specialist in Europe.

Blanche de Vern —White, rose-bordered	3.25	\$30.00
Emperor William —Blue, white border	3.25	30.00
Etoile de Feu —Carmine-red	3.25	30.00
Kaiser Frederick —Scarlet, white margin	3.25	30.00
Madame Helene —White, with violet crown	3.25	30.00
Marquis de Peralta —White, red-bordered	3.25	30.00
Mont Blanc —Snow-white	3.25	30.00
Prince Albert —Deep purple	3.25	30.00
Princess Elizabeth —White, bordered blue	3.25	30.00
Princess Mathilde —White, with rose crown	3.25	30.00
Queen Wilhelmina —Dark rose	3.25	30.00
Boddington's Spotted Varieties —These contain the most distinct and remarkable colors	3.25	30.00
All Colors Mixed	3.25	30.00

Paeonia Chinensis

Double to Color.

White Varieties	Doz.	100
Pink Varieties	\$1.25	\$10.00
Red Varieties	1.00	8.00
Case containing 67 Double White, 66 Double Red, 67 Double Pink Paeonias, very strong roots, 3 to 5 eyes, 200 in all, \$20.00 per case, 3 cases for \$55.00.		

We offer a choice collection of Paeonia Chinensis in 20 varieties, strong roots, 10 cts. each, \$1.00 per doz., \$7.50 per 100.

Elephant's Ears

BULBS measuring 6 to 8 in. in circum., 200 in a case, \$1.25 per 100, \$12.00 per 1000.
BULBS measuring 8 to 10 in. in circum., 100 in a case, \$2.25 per 100, \$20.00 per 1000.
BULBS measuring 10 to 12 in. in circum., 75 in a case, \$4.50 per 100; \$40.00 per 1000.
BULBS measuring 12 to 13 in. in circum., 50 in a case, \$1.00 per doz., \$8.00 per 100, \$75.00 per 1000.
MONSTER BULBS measuring 13 in. and upward in circum., 25 in a case, \$1.25 per doz., \$9.00 per 100.
 FULL CASES AT 1000 RATE.

ARTHUR T. BODDINGTON, Seedsman,

MISCELLANEOUS BULBS, &C.

LYCORIS SQUAMIGERA, OR AMARYLLIS HALLII.

(The Magic Lily of Japan.)

A perfectly hardy Amaryllis, producing beautiful pink flowers. One of the hardy Amaryllis never widely introduced and almost lost to floriculture.

Lycoris squamigera produces in early Spring foliage which grows until July, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower-stalks spring from the ground to a height of 2 or 3 feet, developing an umbel of large and beautiful lily-shaped flowers 3 to 4 inches across and from eight to twelve in number, of a delicate lilac-pink.

As the bulb is perfectly hardy without any protection, it can be planted either in the fall or spring. Cover the crown about 4 inches. Very useful for cut flowers in the summer.

Strong blooming bulbs, 10 cts. each, \$1.00 per doz., \$6.50 per 100.

CALLAS—SPOTTED LEAF.

(Richardia albo-maculata.)

Very free summer-blooming variety. \$2.25 per 100, \$20.00 per 1000.

CALLA ELLIOTTIANA.

This is the great new Yellow Calla of marvelous beauty. Flowers are large, rich dark golden yellow, often 4 to 5 inches across the mouth; leaves are beautifully spotted with white. Bulbs of this variety are very scarce. Extra large bulbs, 25 cts. each, \$2.25 per doz., \$17.00 per 100.

MONTBRETIAS.

Crocsmæflora—Orange-scarlet	100	1000
Etoile de Feu—Rich, scarlet-yellow center...	.75	6.50
Rayon d'Or—Deep yellow, very large.....	.75	5.00
Pottal grandiflora—Bright yellow, flushed with red .....	.75	6.00
Soleil Couchant—Bright red .....	.75	5.00

HYACINTHUS CANDICANS.

(Cape Hyacinth.)

Large bulbs, \$1.50 per 100, \$12.00 per 1000.

THE GREAT ISMENE.

(Ismene Calathina Graudiflora.)

Those who are familiar with the true Giant Ismene cannot say enough in praise of its beauty and purity. The flowers are of a very large size, like an Amaryllis, novel form and of snowy whiteness, and are also exceedingly fragrant. Bulbs are large and strong and begin to flower in two or three weeks after planting; a fine florists' flower. \$1.00 per doz., \$7.50 per 100.

TUBEROSES.

Double Pearl—Red seal brand, selected bulbs, 100	1000
4 to 6 in. in circumference.....	\$1.00 \$ 8.00
3 to 4 in. in circumference.....	.75 5.00
Mexican Everblooming	1.25 12.00

SPIRAEA Gladstone (cold storage), \$1.25 per 12, \$9.00 per 100.

SPIRAEA palmata rosa—The beautiful deep pink hardy Spiraea. \$1.00 per doz., \$7.50 per 100.

SPIRAEA Aruncus—The grand hardy white Spiraea. 4 to 5 feet. \$1.00 per doz., \$7.50 per 100.

IRIS PALLIDA DALMATICA.

This is the grandest variety of all the German Iris. Color deep, clear lavender, very large, flowers sweet-scented. This Iris should be planted largely where cut flowers are in demand, as it is certainly the best of its class. A grand variety for massing in borders; it is superb. \$1.50 per doz., \$12.00 per 100.

AZALEA MOLLS.

Most attractive in the shrubbery; also extensively forced on account of the brilliancy of colors. 15 buds, 15 inches high, \$4.50 per doz., \$35.00 per 100.

HYDRANGEA PANICULATA GRANDIFLORA.

Two-year-old, 3 to 4 feet, 3 to 4 branches. Bushy \$1.50 per doz., \$12.00 per 100.

BODDINGTON'S QUALITY ROSES

HARDY HYBRID PERPETUAL ROSES—We offer extra strong forcing two-year-old dormant, low budded stock, in the following varieties, true to name.

Price, 75c for 5 (of one variety); \$15.00 per 100; \$140.00 per 1000; (immediate delivery.

- ALFRED COLOMB—Carmine-crimson; a grand rose.
- BARONESS ROTHCHILD—An exquisite shade of satiny pink.
- CAPT. CHRISTY—Flesh color, deepening to center.
- CLIO—Satin blush; very fine new sort.
- DUKE OF EDINBURGH—Bright vermilion.
- FRAU KARL DRUSCHKI—The finest white in existence.
- GEN. JACQUEMINOT—Brilliant crimson.
- JOHN HOPPER—Bright rose, with carmine center.

- LA FRANCE—Peach-blossom pink.
- MAGNA CHARTA—Dark pink, one of the easiest roses to grow.
- MME. GABRIEL LUIZET—Light, satiny pink.
- MRS. SHARMAN-CRAWFORD—Deep rosy pink.
- PAUL NEYRON—Lovely dark pink.
- PRINCE CAMILLE DE ROHAN—Dark crimson-maroon.

For Prices See Above.

HYBRID TEA, OR EVERBLOOMING ROSES

Hybrid Tea or Everblooming Roses are becoming more popular every year; while not so hardy as the perpetuals, with slight protection in winter they carry over in splendid shape and give a wealth of bloom all through the summer months and late in the fall till frost checks them.

AVOCA—Color crimson-scarlet; buds very long and pointed; flowers large and sweetly perfumed	Bundle of 5.	100
KAISERIN AUGUSTA VICTORIA—An almost pure white rose. Shaded a beautiful primrose. Fine for indoor or outdoor Summer blooming.....	1.00	17.50
KILLARNEY—This is a grand rose for either indoor or outdoor cultivation; is a strong grower and the blooms, which are of a beautiful pink, are borne in great profusion	1.00	17.50
ETOILE DE FRANCE—Superb crimson-red velvet, the center of the bloom vivid cerise-red. The Queen of the Everblooming Red Roses. The most free-blooming and vigorous Red Rose ever introduced.	.85	15.00
BESSIE BROWN—Creamy white.....	1.25	20.00
GRUSS AN TEPLITZ—No rose in commerce can compare with this as a bedder. It is a perfect sheet of richest crimson-scarlet all Summer. A strong, vigorous grower .....	.85	15.00
RICHMOND—The well-known red rose of commerce	1.00	17.50
MADAM ABEL CHATELAIN—Carmine-rose, shaded salmon-pink	1.00	17.50
MILDRED GRANT—Cream, with a faint blush of pale rose.....	1.00	17.50
CAROLINE TESTOUT—Bright satin rose, with brighter center, large, full and globular .....	.85	15.00

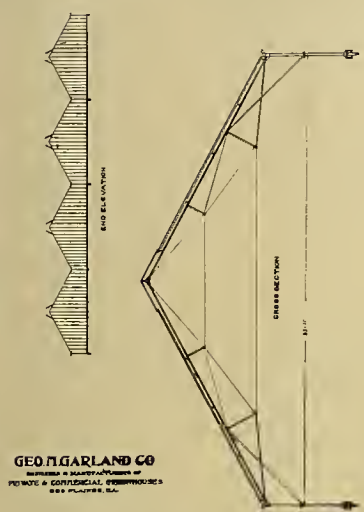
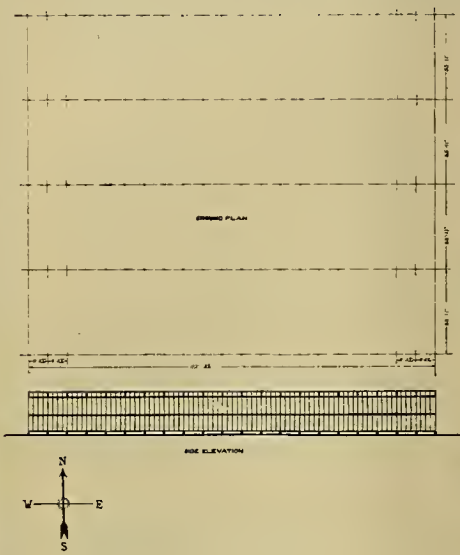
AMERICAN BEAUTY—Almost too well-known for description, but as popular today as twenty years ago. Rosy carmine, shaded salmon, flowers large and floriferous	Bundle of 5	100
LIBERTY—Very free-flowering, bright, crimson-scarlet, of an even shade throughout; floriferous	1.00	17.50
MOLLY SHARMAN-CRAWFORD—Large, full flower; color delicate, eau-de-Nil, which, as the flower expands, becomes dazzling white	2.00	30.00
VISCONTRESS FOLKESTONE—A large, full flower of creamy pink, shading to deep salmon-pink at the center; very floriferous	1.50	22.50
WILLIAM SHEAN—Purest pink, with delicate veination; petals shell-shape. Gold Medal N. R. S., England.....	1.25	20.00

Baby Rambler Roses.

- BABY DOROTHY—The same in habit as Baby Rambler, but the color of the flower is similar to Dorothy Perkins. "Baby Dorothy," when planted out, flowers perpetually from Spring until Autumn. 75 cents for bundle of 5, \$14.00 per 100.
- MME. NORBERT LEVAVASSEUR (The Original Baby Rambler)—A dwarf-growing, everblooming Crimson Rambler. This blooms when a small plant and forms clusters of flowers as large as the Crimson Rambler. 75 cents for 5, \$14.00 per 100.

342 West 14th Street, NEW YORK CITY.

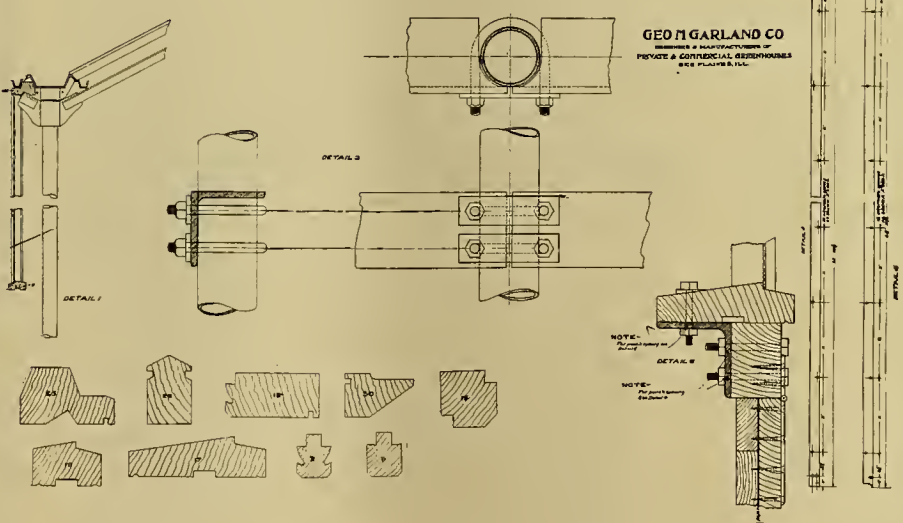
Any Florist Can Erect A GARLAND



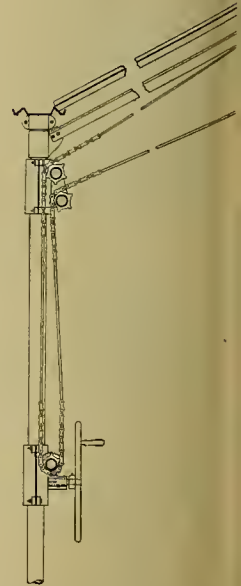
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DESIGNERS & MANUFACTURERS OF
PRIVATE & COMMERCIAL GREENHOUSES
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SAFE
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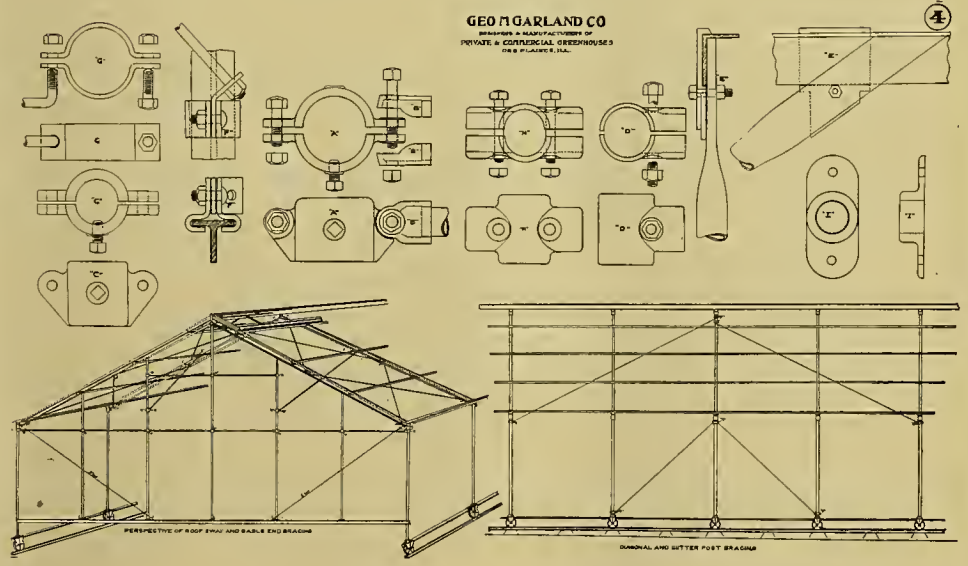
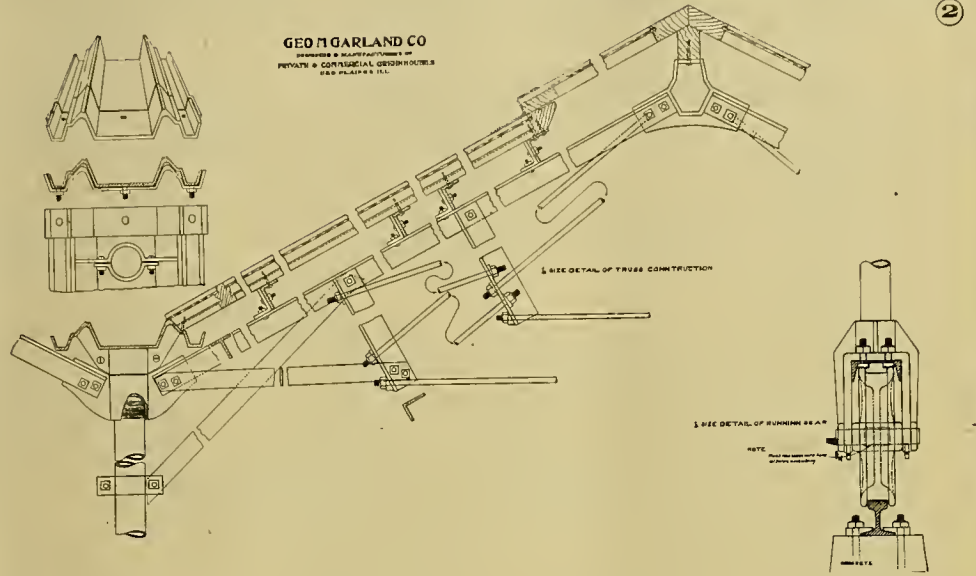
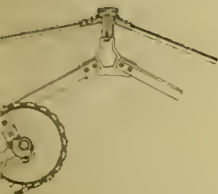
The above cuts were taken from the plans for four Movable Trussed Iron Frame House of your order with us. **The Garland Trussed Iron Frame House** was designed for the cheapest that our prices will not compare with our competitors. If you are intending to build Greenhouses, Concrete Bench Frames, Cast Iron Gutters, Ice Clearing Eaves, or anything

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ND Trussed Iron Frame House

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ble Greenhouses.

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DES PLAINES, ILL.

Good Luck—Four-Leaved Clovers

Plant keeps well, requires little care, excellent seller, suitable for any occasion—birthday, wedding, sick room, traveler, or any event where a good luck wish is in place. Introduced in New York this Easter and taken up by the Public with great enthusiasm.

SPECIMEN PLANTS, \$24.00 per doz., SEEDLING PLANTS, \$35.00 per 100, \$6.00 per doz.
\$2.00 plants all sold, good plants 3½ in. pots, \$12.00 per doz. Seedlings much stronger than they have been.

Large Plants Retail at \$5.00 each Small Plants at \$2.00 each.

For Sale by **Julius Roehrs Co.,** Rutherford, New Jersey or **Max Schling,** 22 W. 59th St., New York City

New York.

STORMY WEATHER CAUSES POOR BUSINESS.

In the early part of the week, conditions in the wholesale market were very unsatisfactory, owing to the stormy weather, but on Friday the weather cleared and there was an increased demand for many things, though the situation as far as roses are concerned is much worse; even the best of these are meeting with poor demand. There is very little call for the very best blooms of Richmond, Brides and Bridesmaids. Richmond are of very fine quality, but have to be cleared out with large lots of the smaller grades. There is no improvement in the price of American Beauties or Ulrich Brunners. Orchids are over-plentiful, gardenias are moving very slowly, and sweet peas, fairly well. Carnations advanced very much towards the latter end of the week, especially the white varieties. There was an increased demand from out of town for these, and prices have not been so high previously at this season of the year. The dark unseasonable weather probably was the cause of shortening up the supply to a large extent. Lilies are plentiful. Lilac from the south is still of exceptionally good quality and arriving in great quantity. There is the usual demand for good lily of the valley, smilax and asparagus. Adiantum is in over-supply.

Monday noon, May 13—Prices have again taken a drop, especially the carnations, which had been advanced considerably on account of Mothers' day.

NOTES.

The question of "gluts" in the wholesale market in different cities would be satisfactorily settled if they all had a Charley Trepel. During the recent slack spell when consignments of all flowers have been so heavy and the demand slow, Mr. Trepel has through the three largest department stores in the city disposed of the greater part of the surplus. This is all done by judicious advertising in the daily papers, having special sales, and permitting flowers to reach the general public at very moderate prices. Carloads of nursery stock, seeds and bulbs are disposed of by the same methods. The business done in the cut flower departments of these three establishments is enormous.

There are a great many visitors en route to the International Exposition in London. President Richard Vincent, Jr., of the S. A. F. and Mrs. Vincent and J. A. Peterson of Cincinnati were of the party sailing on the Philadelphia on Saturday. W. Albert Manda sailed on the Lusitania, and B. Hammond Tracy and Mrs. Tracy, Harry A. Bunyard and Charles H. Totty sailed Tuesday on the Kronprinzessin Cecelie.

Probably the finest Alma Ward carnations ever seen in New York were a bunch sent to Traendly & Schenck on Wednesday by Wm. Eccles, super-

IMPORTERS

HENRY M. ROBINSON & CO.

Wholesale Commission Florists and Florists' Supplies

46 West 26th Street, - NEW YORK

A large stock of Bay Trees, Boxwoods, Rhododendrons, Azaleas, Roses, Evergreens, Climbing, Vines, etc., on sale at our new William Street Show and Salesroom. Inspection invited.

P. H. GOODSSELL W. E. MAYNARD

200 Broadway, NEW YORK CITY

Manager Sales Department
157-159 William St. (Basement)

EXPORTERS

intendent for Mortimer Schiff, Oyster Bay, L. I. They were magnificent large flowers and were as good on Saturday morning as the day they were shipped in.

Henshaw & Fenrich were fortunate in having a large supply of carnations for the increased demand for Mothers' day, Wodenethe, sent in by Charles H. Totty, being exceptionally fine, and this famous white carnation was quickly bought up.

A new paper entitled "Outdoor World," devoted to outdoor life and amateur sports, is now on sale at all news stands. Charles Willis Ward is the president of the company publishing this very attractive paper.

Robert E. Berry has taken a lease of the Valentine Hamman greenhouses at Summit, N. J., and will grow high-grade carnations and chrysanthemums for the New York market.

Robert M. Schultz of Madison, N. J., has leased his greenhouses in that place, and the lessee will take possession June 1.

John Pritchard, formerly with J. A. Budlong, Auburn, R. I., is now with Bedford Hills Flower Co., at Bedford Hills, N. Y.

Montreal.

GARDENING HELP SCARCE.

Montreal florists have been very busy the last week. The presence of the Governor General and horse show week caused large orders for table and other decorations, but the rush for flowers on Saturday for Mothers' day found most of the retailers quite unprepared. Everything was cleared up, and as one florist stated, everything sold and stock is so hard to get we might just as well close up for the night. Orders for bedding plants are coming in nicely. Customers who could not get their orders filled last year apparently took a lesson and are ordering in time. There is considerable bedding stock around and should about fill any reasonable demand, but the growers generally forget to figure on the ever-increasing consumption. Roses and car-

nations are very fine, no doubt being benefited by the very favorable weather we are experiencing. The perennial borders suffered severely last winter, hollyhocks, foxglove, Anemone Japonica, hybrid perpetual roses, weigelea and a host of other things are partly or wholly killed. There is a great scarcity of gardeners and garden laborers. The daily papers are advertising constantly for men, and some vegetable growers find it exceedingly hard to get anybody, some of those on rented farms having nearly all their glass idle. At this rate vegetables will be dear this season, for many farms have been bought by real estate people and others are lying idle for want of laborers. Hotbed lettuce costs \$4 per box of four dozen, a price never paid before, and if this keeps up living will be up in the air.

NOTES.

E. Hayward, Cote St. Paul, has his new dwelling completed and is occupying it. The house-warming party will be given in the near future. His mushrooms have paid him well and he will considerably increase his space next year.

Hall & Robinson have sold their Outremont property for a price which is placed above a hundred thousand dollars, but it is stated the greenhouses will be run for a time yet.

S. S. Bain was the floral artist who arranged the immense anchor seen in Godvin's window in memory of the victims of the Titanic. LUCK.

Cut Flower Auction Sales.

We are advised that a meeting of growers, shippers and buyers will be held in the Fruit Auction Co.'s salesroom, 204 Franklin street, New York, May 25, at 2 p. m., to discuss the question of selling cut flowers at auction.



WEST PITSTON, PA.—The contract for the three houses to be erected by B. B. Carpenter has been placed with the Metropolitan Material Co. of Brooklyn, N. Y.

PHILADELPHIA NEW YORK WASHINGTON

S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS
109 West 26th Street, NEW YORK
Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer. Everything in Supplies

Traendly & Schenck,

WHOLESALE FLORISTS,
131 & 133 WEST 26th ST
Phoncs: 798 and 799.
NEW YORK

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WHOLESALE FLORIST
55 and 57 West 26th St., NEW YORK
Telephones: 7062-7083 Madison.

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WHOLESALE FLORISTS
34 West 28th St., NEW YORK.
PHONES: 1664 } Madison Sq.
1665 } Consignments Solicite

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable well space to rent for advertising.

V. S. DORVAL, Secretary.
Mention the American Florist when writing

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited
111 W. 28th St. Telephone 6237 Madison Square NEW YORK

A. L. YOUNG & CO.

Wholesale Florists
Consignments Solicited
Telephone, 3559 Madison Squars,
54 West 28th St. NEW YORK
Mention the American Florist when writing

P. J. SMITH, Successor to John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR LARGEST GROWERS
The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited.
Telephones, 1328, 1996 Madison Square
49 West 28th Street New York City

N. Lecakes & Co., Inc.

Wholesale Florists
Our Specialties—Ferns, Gslax Leaves, Leucothoe Sprays, Princess Pines and Laurel Kopiaz.
Phones 1415-1416 Madison Sq
53 W. 28th St., bet. Broadway and Sixth Avenue. NEW YORK
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OFFICIAL S. A. F. Shipping Labels

FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Paul Meconi

Wholesale Florist
55-57 West 26th Street
NEW YORK CITY
Telephone: 3864 Madison Square
Mention the American Florist when writing

Wholesale Flower Markets

	NEW YORK, May 15.	Per 100
Roses, Beauty, special.....	15	30@25 00
" " extra and fancy....	8	00@15 00
" " No. 1 and No. 2....	2	00@ 6 00
" " Brlds. Bridesmaid, special. 1	00@ 4 00	
" " extra and fancy.....	2	00@ 3 00
" " No. 1 and No. 2.....	1	00@ 1 50
" " Killarney, My Maryland ..	4	00@ 6 00
" " extra and fancy.....	2	00@ 3 00
" " No. 1 and No. 2.....	1	00@ 1 50
" " Richmond.....	1	00@ 6 00
Carnations.....	1	00@ 4 00
Cattleyas.....	20	00@50 00
Gardenias.....	2	00@15 00
Lilacs, Longiflorum and Harriaii..	2	00@ 6 00
Lily of the Valley.....	2	00@ 4 00
Sweet Peas.. per doz. bunches, 25@	75	
Violets.....	10@	40
Adiantum Croweanum.....	50@	1 00

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,
Telephone No. 756
Madison Square. NEW YORK

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.
113 W. 28th St. NEW YORK.
CUT FLOWERS
WHOLESALE PLANTSMEN AND FLORISTS
phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited
Mention the American Florist when writing

M. C. FORD

Successor to FORD BROS.
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Shippers of
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Telephone 3870-3871 Madison Square
Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION
American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lillies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square

The Kervan Company

FRESH CUT EVERGREENS
and Mosses, Decorating Material for Florist Trade, at Wholesale.
TELEPHONES MADISON SQUARE 1519-5893
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Walter F. Sheridan

WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
131 & 133 West 28th St., NEW YORK

1888 1911

GUNTHER BROS.

Wholesale Florists
110 West 26th Street, NEW YORK
Tel. 551 Madison Square
CONSIGNMENTS SOLICITED

WILLIAM H. KUEBLER

Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby Street,
Tel. 4591 Main. BROOKLYN, N. Y.

Davenport, Ia.

Business the past two weeks has been very satisfactory from every viewpoint. Plant trade has been brisk and every indication points to a record-breaker. People seem to be veing with each other as to who can make the finest show in their front yards—many very large beds are being made, where up to this year nothing along that line had been done. The parks no doubt have a great deal to do with the education of the people, as to the proper use and placing of flowers. They see a fine bed of this or that, and want to duplicate the same at their home. The bulb beds at the parks have been in their glory the past week, and as the weather has been very summer-like, thousands of people have viewed them and in consequence several orders have been placed for this fall's planting. Outdoor flower prospects are very poor for Decoration day—lilacs, snowballs and other out-of-door shrubs will be out of bloom by that time and I doubt if the peonies will be in time.

CLUB MEETING.

The Tri-City Florist Club met at the residence of Wm. Knees of Moline, Ill., on Thursday, May 9, for their May meeting, with a goodly number in attendance. The boys were all tired out after a strenuous week, but nevertheless a lively meeting was had. The banquet committee made their final report, claims were allowed and quite a neat sum was still found to be in the hands of the treasurer. Learning this, the boys started a movement for the annual picnic, which is to be held on Thursday, July 11, at the beautiful summer home of Wm. Knees on the banks of Rock River. The committee into whose hands the great responsibility rests is as follows: A. Anderson, — Pierson, Henry Gaethje, — Lorengen and John Staack. These boys have promised to show the rest of the club what a real picnic is like, so now it is up to them to make good. No doubt they will, for John Staack and several of the others have handled the picnic before and are up to snuff at the picnic business. Challenges no doubt will soon fill the air in regard to the usual baseball game and other events to be pulled off. We Davenporters will be the first in the ring, and hereby bet the Moliners two white geraniums against a 3-inch pot that we can beat their base ball nine to a frazzle at the coming picnic. Are you on? This year's novelties and outdoor planting were up for discussion. Several members gave interesting talks on bedding, filling vases, window boxes, etc., but nothing new of any great importance was introduced. President Ewoldt's invitation to his annual strawberry supper was accepted, to take place at his home some time the latter part of June. A fine supper was then served by Mrs. Knees and her daughter, and a social hour enjoyed, a vote of thanks being extended to Mr. Knees and family for their hospitality.

T. E.

Baltimore.

GOOD ROSES SHORT.

Business has been good this week, especially at the week end. Flowers of all kinds are plentiful, with the exception of good roses, of which there has been a shortage this week. Mother's day has created a demand for white carnations. The day will be observed in many churches of the city. Sermons will be preached from many pulpits extolling the virtues of the mother.

NOTES.

The beauties of Washington square, Mount Vernon place, with its stately monument from which the "Father of



FANCY FERNS, \$2.25 per 1000.

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 Sphagnum Moss, large bales..... \$2.50
 Lencothoe Sprays, Green..... \$1.00 per 100; \$7.50 per 1000
 Boxwood..... per pound 20c; 50-pound case, \$7.50
 Magnolia Leaves, Imported Green and Bronze. Basket, \$2.25; 6 baskets, \$2 each
 Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

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Live Spagnum Moss

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 WALDEN, N. Y.

his country" looks calmly down, was greatly enhanced by the annual flower market which took place there this week. Bright awnings covered the booths and gay Japanese parasols. A flower-covered trellis formed the roof of a tea room. Besides all the plants and beautiful flowers there were garden tools, fancy baskets, quaint pottery, window boxes, etc. The florists contributed to this affair liberally and the proceeds go toward the work on vacant lot gardens under the direction of the Woman's Civic League. The beautiful wares are presided over by the ladies who are interested in this good work and labor hard to make it a success.

The Park Board decided to spend about \$5,000 in planting trees and shrubbery on temporary stairways to be erected at the entrance to the Fifth Regiment Armory. Also to place an electric fountain in Druid Hill Park, illuminate the different monuments of note, and to decorate the city hall with trees and growing plants. All this is to help make the city attractive during the democratic convention. The trees and shrubbery to be used are to be brought here from a nursery on Long Island, permission having previously been given them to spend this money by the board of estimates.

The Maryland Steel Co. are encouraging their employes at Sparrow Point to beautify their homes and lawns. They will give cash prizes to the amount of \$200 to those having the most attractive looking places in the fall. This has been the custom for years and the result is that it bears the name of the cleanest steel town in the United States. The company maintains a hothouse from which it annually distributes 5,000 plants to its employes.

John Cook, the well-known florist who resides near Catonsville, has shipped to San Diego, Calif., seven new roses which will be entered in the \$1,000 Panama-California Exposition rose contest. Two roses of Mr. Cook's which have been extensively grown and are popular with the people are My Maryland and Radiance.

The suburban portion of the city in the northern and western sections is developing so rapidly into new homes that bedding plants are greatly in demand, consequently a shortage in geraniums and, in fact, of all bedding plants is noticed this season. B.

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Southampton Horticultural Society.

The regular monthly meeting of the Southampton Horticultural Society was held in the Odd Fellows' hall May 2, Vice-President Julius King presiding. There was not much business to bring before the society. The chief work at the present time is getting ready for the summer show, July 21-25. A committee of nine members with the vice-president as chairman has full charge in making all arrangements for that event. The premium list is out and the total amount of prize money is \$600, which should induce a good show. After business the members present had an interesting discussion on the various insect pests and remedies for the same. Secretary Benj. Palmer gave a short talk on his wonderful success in growing cucumbers outdoors. He sinks a common drain pipe two feet in the ground and plants his seeds around the pipe. He pours a pail of water into the pipe once a day and has barrow loads of cucumbers all season with one planting. WM. McLEON, Secy.

NEW YORK.—Permission has been granted for the erection of a greenhouse 22x141 feet in Bronx Botanical Garden.

HUNTSVILLE, ALA.—The Abbingdon Floral Co. has just completed four new houses, 24x100 feet each, Foley construction.

DONNA, TEX.—The Rio Grande Horticultural Society will hold its second field meeting here about the middle of June. Meetings in July and September are proposed, and the annual meeting will be held Thanksgiving week in November.

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Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.
May 19.
FROM MONTREAL, Corinthian, Allan.
May 21.
Ryndam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kronprinz Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
May 22.
Mauretania, Cunard, Piers 54 and 56, North River.
FROM BOSTON, Cymric, White Star, Charlestown Dock.
May 23.
Celtic, White Star, 12 noon, Piers 59 and 60, North River.
La Lorraine, French, 10 a. m., Pier 57, North River.
Pennsylvania, Ham.-Amer., 11 a. m., Hoboken Pier.
May 24.
FROM PHILADELPHIA, Menominee, Red Star, Pier 55.
May 25.
Olympic, White Star, 1 p. m., Piers 59 and 60, North River.
Kroonland, Red Star, 10 a. m., Pier 61, North River.
New York, Amer., 9:30 a. m., Pier 62, North River.
Cameronia, Anchor, 2 p. m., Pier 64, North River.
Rochambeau, French, Pier 57, North River.
Cincinnati, Ham.-Amer., 1 p. m., Hoboken Pier.
Friedrich der Grosse, No. Ger. Lloyd, 11 a. m., Hoboken Pier.
Berlin, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM PHILADELPHIA, Dominion, Amer., 10 a. m., Pier 54.
FROM MONTREAL, Gramplan, Allan.
FROM MONTREAL, Laurentic, White Star-Dom., daylight.

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Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
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Dunlop's, 96 Yonge St., Toronto, Can.
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Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
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Smith, Henry, Grand Rapids, Mich.
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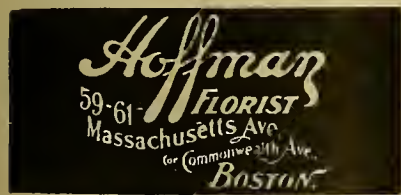
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La Crosse, Wis.

LA CROSSE FLORAL CO.

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Careful Attention To All Orders.

Greenwich Horticulturists.

The regular meeting of the Westchester and Fairfield Horticultural Society was held in Greenwich Friday, May 10, with the usual good attendance. Nine members were elected and eight applications received. Additional prizes for our fall show were received from the Lord & Burnham Co., Burnett Bros., Bon Arbor Chemical Co., Stump & Walter Co., J. M. Thorburn & Co., A. T. Boddington, Vaughan's Seed Store, Chas. Waterbury, Thos. McGee and James Stuart.

The prize offered for best calceolaria was won by Pres. Stuart, with an exceptionally fine specimen of great beauty. Cultural certificates were awarded to James Aitchison for a splendid pelargonium, Harry Wild for some very fine strawberries (Marshall). Three spreas exhibited by A. Peterson and collection of vegetables by J. Foster were both highly commended. Vote of thanks was accorded to J. Aitchison for some fine carnations. Great progress has been made so far for the summer show, to be held in Greenwich on June 15.

OSCAR E. ADDOR, Sec'y.

CYNUYD, PA.—John H. Eberle and Charles Sailman of the firm of Sailman Bros. & Eberle of this place went to Tyrone to gather laurel. The former did not return and searching parties were instituted to find him.

NEW YORK.—Charles R. Jaeger, 147 West One Hundred Twenty-seventh street, has filed a petition in bankruptcy with liabilities of \$3,018 and assets consisting of interest in land at Bayport, L. I., worth \$2,000, which is under foreclosure of mortgage for \$2,000.

Louisville, Ky.

**F. Walker & Co.,
FLORISTS.**

Phones: Home 1388. Cumb. Main 1388 A.

.....634 Fourth Avenue.

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**CHARLES HABERMANN
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The Most Central Location in City.

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Boyle and Maryland Aves.**

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Regular discount allowed on all orders, ether Plants or Cut Flowers.

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"The Saltford Flower Shop"

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New Display Rooms, 56 E. Randolph Street
CHICAGO

Flowers Palms Decorations
Rented or Sold

Phones:—Randolph 4708 Nursery, Rogers
Park 227; Evanston 829; Wilmette 658

Dreer's Hardy Perennial Phloxes



We are headquarters for **Hardy Perennial Phloxes**, and can still furnish splendid one-year-old plants in three-inch pots, in prime condition for present planting, in the varieties noted below :

General Collection of Choice Hardy Phlox.

Price of any of these varieties, \$5.00 per 100; \$40.00 per 1000.

- Albion** (Medium). One of our own introductions, producing very large panicles of pure white flowers, with a faint aniline-red eye.
- Bacchante** (Tall). Tyrian rose, with crimson-carmine eye.
- Bridesmaid** (Tall). White, with large crimson-carmine centre.
- Clara Benz** (Dwarf). Lovely carmine-rose, with darker eye.
- Colibri** (Tall). White, with crimson-carmine center; very late.
- Consul H. Trost** (Medium). Pure red, with bright French-purple eye.
- Champs Elysees** (Dwarf). A very bright rosy magenta.
- Caran d' Ache** (Medium). Geranium-red, with old rose shading and white eye; very effective.
- Diadem** (Dwarf). A fine dwarf; pure white.
- Edmond Rostand** (Medium). Reddish-violet, shading brighter towards the centre, with an exceptionally large white centre.
- Eclairer** (Tall). Brilliant rosy-magenta, with large lighter halo.
- Hermine** (Dwarf). The dwarfiest variety in our collection, never exceeding 10 inches in height; pure white flowers, of good size; early; unequalled for bordering. A perfect little gem.
- Helena Vacaresco** (Dwarf). Very large flowering dwarf; white.
- H. O. Wijers** (Tall). White, with bright crimson-carmine eye.
- Jeanne d' Arc** (Tall). A good standard late white.
- La Vague** (Medium). Pure mauve, with aniline-red eye.
- Louis Blanc**. Reddish-violet, with purple shadings.
- Mme. Paul Dutric** (Tall). A delicate lilac-rose, reminding one of some of the beautiful soft pink orchids.
- Mozart** (Tall). Ground color white, suffused salmon; aniline-red eye.
- Mrs. Jenkins** (Tall). The best early white for massing.
- Obergartner Wittig** (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; one of the best.
- Professor Virchow** (Medium). Bright carmine, overlaid with orange-scarlet.
- R. P. Struthers** (Tall). Rosy-carmine, with claret-red eye; fine.
- Sunshine** (Dwarf). Large aniline-red, with crimson-red eye and light halo.
- Selma** (Tall). Large flower, pale rose-mauve, with claret-red eye.

NOTE.—Any of the above, \$5.00 per 100; \$40.00 per 1000.

New Varieties of Hardy Phlox.

- Asia**. One of the prettiest in the collection: a delicate shade of mauve, with a crimson-carmine eye. 25c each; \$2.50 per dozen; \$18.00 per 100.
- Baron von Dedem**. Brilliant cochineal-red, with salmon shadings; not a large flower, but produced in large trusses and remarkably fine flowering. \$1.50 per dozen; \$9.00 per 100; \$80.00 per 1000.
- Braga**. Mauve-rose, more or less suffused with salmon; large white eye; a distinct and pleasing color combination. 25c each; \$2.50 per dozen; \$18.00 per 100.
- Europa**. A white variety, with very decided crimson-carmine eye. The individual flowers, as well as the trusses, are very large. Entirely distinct. 25c each; \$2.50 per dozen; \$18.00 per 100.
- Frau Anton Buchner**. The finest white variety yet introduced, having the largest truss and individual flower; of dwarf habit. \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.

- Goliath**. A giant in growth, in rich soil, over 5 feet high. The flowers are of good size, in bold, massive panicles of rich crimson-carmine, with deeper eye. 20c each; \$2.00 per dozen; \$15.00 per 100.
- Hervor**. The first of its color; a bright but soft pink, with a large white eye. 25c each; \$2.50 per dozen; \$18.00 per 100.
- Rynstrom**. An improved form of the popular variety Pantheon. Fine for massing, and of a Paul Neyron rose color. 20c each; \$2.00 per dozen; \$15.00 per 100.
- Rosenburg**. Bright reddish-violet, with blood-red eye. Large truss, and individual flowers as large as a silver dollar. \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.
- Widar**. An improvement on Edmond Rostand. A light reddish-violet, with a large white centre which intensifies and illuminates the color. Flower and truss very large. 25c each; \$2.50 per dozen; \$18.00 per 100.

We can still supply the leading varieties of **Hardy Perennials** in pot-grown stock, suitable for present planting.

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

The above advertisement is intended for the trade only.

GLADIOLI

Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Brechleyensis, Etc.
Lilies, Summer Flowering Bulbs and Hardy Plants.

E. S. MILLER, Wading River, N. Y.

Sweet Williams

Field Clumps, \$3.00 per 100; \$25.00 per 1000.
Smaller plants that will bloom this season, 50 cents per 100; \$3.50 per 1000.
Hardy Pinks, field clumps, \$2.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

ROSES LAST CALL

We Need The Space

- American Beauties, 2 1/4-inch.....\$5.00 per 100; \$45.00 per 1000
- Bench Beauty Plants..... 5.00 per 100; 40.00 per 1000
- A nice lot of 2 1/4-in. My Maryland..... 4.00 per 100; 35.00 per 1000
- 2 1/2-in. White Killarney..... 4.00 per 100; 35.00 per 1000

J. A BUDLONG, 82-86 E. Randolph St., Chicago

Mention the American Florist when writing

The Early Advertisement Gets There

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Durvea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

BOTH mail and counter trade show signs of the waning season.

VISITED MINNEAPOLIS: A. H. Goodwin and J. C. Vaughan, Chicago.

LATEST advices are that French bulb prices are holding firm and that Roman hyacinths are a light crop.

ONION sets are all cleaned up at Chicago, the last sales of bushel lots to the trade being made at \$3.50 to \$4.

CHICAGO.—Prices on the Board of Trade, May 15, for grass seed were noted as follows: Timothy, \$9 to \$14 per 100 pounds.

"SWEET CLOVER" is the title of a bulletin recently issued by the Department of Agriculture, J. M. Westgate and H. N. Vinall, authors.

ORD, Valley County, Neb., is quite a popcorn center, one warehouse there storing thousands of bushels. The district also produces alfalfa and oats.

VISITED CHICAGO: J. A. Robinson, representing the J. C. Robinson Seed Co., Rocky Ford, Colo.; Theo. Cobb, representing D. M. Ferry & Co., Detroit, Mich.

CORN planting in the west is already a week late and likely to be generally 12 days late unless drying weather comes at once. Very early seed corn not being available, late land will need millet seed or other forage crops.

AT Chicago more than four-fifths of the onion set acreage is now planted, but probably not over 50 per cent is above ground. The stand is generally good, the seed having germinated well. Heavy rain May 12 is not thought to have done much damage.

California Bean Growers.

According to the report of special agents, it is charged that the method employed in marketing the lima bean crop is not based on the law of supply and demand, but upon arbitrary figures fixed by the business agents of the growers. It is asserted that the growers can force the produce firms to pay the price asked, and that the few independent growers do not dare to incur the ill will of the alleged combine by selling for prices lower than those fixed by the Lima Bean Growers' Association. The latest report, if such it could be called, from A. L. McCormick, United States attorney in Los Angeles, who talks mostly in the clam language, indicates that the government investigation of the "bean trust" will end in a compromise, and the dissolution of the combination.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

American Seed Trade Association.

Rates of \$2.00, \$2.50 up to \$5.00 for single and from \$3.00 to \$6.00 for double rooms per day have been offered by the Hotel Sherman, Chicago, to the members of the American Seed Trade Association during the thirtieth annual convention. June 25-27. This rate does not include meals, but restaurant accommodations are ample.

C. E. KENDEL, Sec'y.

First Insecticide Prosecutions.

Novel suits were filed in the United States district court today by the government against two paint manufacturing concerns. The Sherwin-Williams Co., 28 East Jackson boulevard, and the Devoe & Reynolds Co., 171 West Randolph street, are charged with the adulteration of poisons used by farmers. This action is among the first taken by the government under the new insecticide law enacted by congress April 26, 1910, designed to protect the farmer from the sale of impure poisons to be used in the destruction of insects on trees and plants.

The Sherwin-Williams Co. is charged in the suit filed by A. R. Hulbert, assistant United States district attorney, with the adulteration of lead arsenate, an insect exterminator. The government alleges that the article in question was adulterated with more than 50 per cent of water and misbranded. The charge against the Devoe & Reynolds Co. is the adulteration of paris green and lead arsenic.—Chicago Daily News.

The Holland Outlook.

Sassenheim, April 26.—The weather was very cold from April 1 to April 15, with heavy frosts at night, writes one of our correspondents. There were several hailstorms, and many tulips and hyacinths went backward. While everything looked healthy and strong at the end of March, the cold weather caused the plants to look miserable, and the early tulips in some fields lost all their leaves and the flowers and leaves of others were broken. Hyacinths were injured very much by the frost. Nearly all the bulbs looked badly and a poor crop was expected. But the weather, changed and everything started to grow so that at present very little damage can be seen except in a few acres. What the crop will be, however, is still difficult to state. A number of growers are afraid that if the warm weather continues without rain, some varieties will die too quickly, especially bulbs that are planted on mixed, sandy, or dry, clay ground. We are now having variable weather, good and bad, but the crops are in fair condition.

In regard to green auction sales, we cannot understand, how the growers dare to raise prices on market varieties of hyacinths, tulips and narcissi, which are grown in quantities, when we consider how the trade has been in the United States, how business has been and is in England, owing to

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

the coal strike, and then the thousands and thousands of acres planted with bulbs. Such varieties as Vermilion Brilliant, Couronne d'Or, Prince of Austria, Proserpine, Le Matelas, Thomas Moore, Salvator Rosa, Rubra Maxima, etc., are sold from 30 to 40 per cent higher than last year. Single late tulips, Bouton d'Or, Gesneriana, Spathulata, etc., and Darwins from 80 to 100 per cent higher and hyacinths and narcissus also bring better prices.

Von Sion narcissi are held very high. It seems as though many buyers are willing to risk quite a sum of money on a gamble that prices will advance. Of course all depends on the harvest but it certainly looks like higher prices this year and perhaps the next.

"Gladolus in Holland must have 'gold bottoms' by the prices that are paid for some varieties," says a Dutch nurseryman.

Bulb Growers' Society of Holland.

The following awards were made at the recent meeting of the Narcissus and Floral committee of the Bulb Growers' Society of Haarlem, Holland:

First class certificate for Narcissus Vulcano, double, sulphur yellow, orange center; N. Bedouin, cream white, yellow cup; N. Sunrise, perianth white, yellow cup margined red; N. Campernel rugulosus maximus, pure golden yellow, to de Graaff Bros., Leiden. Narcissus South Pole, perianth white, trumpet yellow, to E. H. Krelage & Son, Haarlem. Narcissus Great Wasley, perianth white; trumpet, citron yellow. C. G. van Tubergen, Jr., Haarlem.

Awards of merit were granted to C. G. van Tubergen, Jr., for Narcissi Iris, Holbein, Colossus, Mount Erebus and Freezias Robinetta, dark carmine, and Tubergeni Gem, lavender blue. E. H. Krelage & Son, Narcissi Thackeray, March Glory and Golden Lion. D. Heere, Wyk aan Duin, Narcissi Solo and St. Bavo. De Graaff Bros., Narcissus plenipo. P. Blokker, Jr., Uitgeest, Narcissus poetaz Laurens Kostar. P. H. Beerhorst & Son, Sassenheim, Narcissus fl. pl. Glacier. P. Heere, Jr., Beverwijk, Narcissus Tresserve. J. F. Rommell, Limmen, Narcissus poetaz Albert Vis. W. Twisk, Uitgeest, Narcissus polyanthus No. 67.

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CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

VICK QUALITY SEEDS PLANTS BULBS

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Seedsmen,
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SURPLUS OFFER

Kentucky Blue Grass Seed.

SAMPLE	WEIGHT	PRICE
No. 19	19 Pound Test.....	\$3.35 per bu.
D	19 " " " " " "	3.40 "
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Freight paid to all points East of the Mississippi, shipped in original sacks, 112 pounds each.

FANCY RECLEANED ALFALFA SEED

14c POUND. F. O. B. BALTIMORE. We are Large Wholesale Dealers in Grasses, Clovers, Field Seeds, Etc. Samples and Special Prices cheerfully given on your requirements.

J. Bolgiano & Son

Wholesale Seed Merchants
 Almost 100 Years' Established Trade
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TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, Oklahoma

BURNETT BROS.

Importers and Growers of

Seeds, Bulbs, Plants

and Horticultural Sundries.

Telephone 2223 Cortlandt. NEW YORK
 72 Cortlandt Street.

Write for our 1912 Spring Catalogue

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

ROEMER'S PANSIES

Superb Prize

The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award International Exhibition, Dusseldorf, 1905. Catalogue free on application.

FRED. ROEMER, Seed Grower, Quedlinberg, Germany

BEANS, PEAS, RADISH

and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
 Write for Prices.

Write today for Special Trade List, as advance order, 1912 Fall delivery.

JAPANESE SEEDS

LARIX, Pinus, Cinnamomum, Abies, Melia, Etc.

T. AMEMIYA & CO., Growers and Importers of All Kinds of JAPANESE SEEDS and LILY BULBS.

Nurseries and Farm Yards:
 Kamine, Kitaadachi, Saitama, Japan.

220 Clement Street,
 SAN FRANCISCO, CAL.

Lily of the Valley from Cold Storage

Order Now for Decoration Day and June Weddings

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

J. C. Robinson Seed Co.

WATERLOO, NEBRASKA.
 Rocky Ford, Colorado.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

Mention the American Florist when writing

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

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SEEDS

OF ALL KIND APPLY TO
 W. W. Johnson & Son, Limited
 Boston, England.

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Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
 PEDRICKTOWN, N. J.

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100.. \$13.00
 Rubrum, 9 in.-11 in. per 100.. 9.00
 Melpomene, 9 in.-11 in. per 100.. 9.50
 Tuberoses, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants and Growers.
 114 Chambers Street, NEW YORK, N. Y.

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
 1876 Milwaukee Ave., CHICAGO

For Dutch Bulbs

of the highest quality, such as the English trade demands, and absolutely true to name, write to

W. J. Eldering & Son

OVERVEEN, Haarlem, Holland

Mail Address during May:

Seville Hotel, 29th & Madison Ave., New York
 Special quotations on large given quantities.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,
 Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
 Correspondence solicited.

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
 Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
 Correspondence Solicited.

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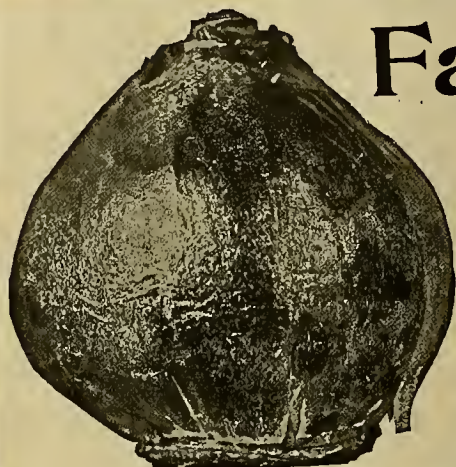
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Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of
FLOWER and GARDEN SEEDS



Fall Forcing Bulbs



**Roman Hyacinths,
Narcissus P.W. Grandiflora,
Lilium Harrissii,
Japanese Lilies,**

London Market Valley, Callas, and picked bulbs of all Dutch Hyacinths, Tulips and Spirea.



We Can Save You Money On This Stock.

Our Special Import List mailed free on application.

**VAUGHAN'S SEED STORE,
CHICAGO NEW YORK**



Hill's New Crop of Tree Seeds

Tests show that the germination is unusually high. Long experience in gathering, extracting, cleaning, drying and storing enables us to supply seeds that are superior to the average. All standard varieties. Ask for what you want—write now.

The D. Hill Nursery Co., Inc.
Seed Dept., Box 602, Dundee, Ill.
Collectors and Extractors.
Import. Export.

Mention the American Florist when writing

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

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John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

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ROSE STOCK

Immediate Delivery.

Sunburst, Grafted, \$35.00 per 100. Own root, \$30.00 per 100.

Rose Queen and Lady Hillingdon, grafted, \$25.00 per 100; \$200.00 per 1000. Own root, \$20.00 per 100; \$150.00 per 1000.

Richmond and Bon Silene, 3 inch, own root, \$8.00 per 100; \$75.00 per 1000.

American Beauty, \$10.00 per 100; \$90.00 per 1000.

CHAS. H. TOTTY - - Madison, N. J

Asparagus Plumosus Plants

2½-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA

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GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

ROSES

See Price-list Ad. page 972, May 11th.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO.

Mention the American Florist when writing

Roses

	Per 100	1000
Beauty Rose Plants, 3-inch	\$5.00	\$45.00
Pink Killarney, bench, 1-yr.-old	4.00	35.00
Asparagus Plumosus, bench, 1-yr.-old	4.00	35.00

Geo. Reinberg, 162 N. Wabash Ave., CHICAGO;

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THE NEW CARNATION

BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities.

The New "Helen" Pink A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built up center, petals fringed; habit of growth all that could be desired. Very easy propagation, fastest growth of any Carnation. Flowers 3 in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit." Horticultural Society of New York. **TO BE DISSEMINATED 1911-1912.**

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber,
Grower, LYNBROOK,
Long I-land, N. Y.

R. G. Wilson,
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Ave., BROOKLYN, N. Y.

Chas. H. Totty,
MADISON,
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Chrysanthemums

STRICTLY FIRST-CLASS STOCK.

Amoria, Mrs. H. W. Buckbee, Major Bonnafion, White Bonnafion, A. J. Balfour, John Burton, Comoleta, Winter Cheer, Diana, Maud Dean, Dr. Enguehard, Timothy Eaton, Yellow Eaton, Helen Frick, Lillie Godfrey, Robert Halliday, Ivory, Pink Ivory, Yellow Ivory, Mrs. W. E. Kelley, Klondike, Monrovia, Viviani Morel, Nagoya, Patty, Pacific Supreme, Rufus, Mrs. H. Robinson, Clemence Touset, Lida Thomas, Mayor Weaver, Hilda Wells, Yanoma.

From 2 1/2-in. pots, \$3.00 per 100, \$25.00 per 1000
Rooted Cuttings, \$2.50 per 100, \$17.50 per 1000

W. H. Chadwick, Golden Chadwick, Pockett's Crimson, T. Carrington, Donatello, Dolly Dimple, Wm. Duckham, White Helen Frick, Glenview, Blackhawk, Lynwood Hall, Intensity, Mrs. O. H. Kahn, G. W. Pook, Pres. Roosevelt, Golden Wedding.

From 2 1/2-in. pots, \$4.00 per 100, \$35.00 per 1000
Rooted Cuttings, \$3.00 per 100, \$22.50 per 1000

Chadwick Improved, Merza.

From 2 1/2-in. pots, \$5.00 per 100, \$40.00 per 1000.
Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000.

Varieties of 1911.

Smith's Advance, the earliest white.
Unaka, the best large early pink.
Dick Witterstaetter, a fine crimson for late October.

Roman Gold, an intense yellow for early November.

Thanksgiving Queen, an extra early large reflexed white.

From 2 1/2-in. pots, \$5.00 per 100, \$45.00 per 1000.
Rooted Cuttings, \$5.00 per 100, \$35.00 per 1000.

Chrysolora, the largest and best yellow for October 15th.

From 2 1/2-in. pots, \$10.00 per 100, \$90.00 per 1000.
Rooted Cuttings, \$8.00 per 100, \$75.00 per 1000.

Not less than 25 of a kind at 100 and 250 at 1000 rate.

Those desiring less than 25 plants of a kind will be quoted on application.

No order for Rooted Cuttings accepted for less than 25 of a kind.

For type, color and flowering season, refer to our 1912 catalogue.

Elmer D. Smith & Co.
ADRIAN, MICH.

Mention the American Florist when writing

2500 Echeveria Secunda Glauca

From flats and 2 1/2-inch, 3 inches in diameter, \$25.00 per 1000.

5000 Boston and Scotti Ferns

From bench, at \$15.00 per 100, ready for 6-inch pots.

Cash Please.

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WEST MENTOR, - OHIO



GLADIOLUS GLORY.

Gladiolus

Per 1000
KUNDERDI "GLORY"...Per 100, \$7 50 \$70 00
AMERICA, 1 1/4 to 1 1/2 inch..... 27 50
Mrs. Francis King, 1 1/4 to 1 1/2 inch..... 17 00
Augusta, 1 1/4 to 1 1/2 inch..... 16 00
Princes, The King of All Gladioli,
.....Per 100, \$10 00
Extra Fine Mixture, part named..... 18 00

TUBEROSES, Dwarf Pearl
Medium, 3 1/2-in.....\$5.00 per 1000

COLD STORAGE STOCK.

Lilium Auratum

8 to 9.....\$50 00 per 1000
9 to 11..... 80 00 per 1000

Valley Pips

London Market.....Per 1000 \$15 00
Premium Brand..... 13 00

Vaughan's Seed Store,

CHICAGO. NEW YORK.

ROSE PLANTS

2 1/2-Pots

Bench Plants.

2 1/2-Pots		Bench Plants.			
	Per 100	Per 1000	Per 100	Per 1000	
American Beauty.....	\$4 50	\$40.00	American Beauty.....	\$5 00	\$45.00
White Killarney.....	5 00	40.00	Pink Killarney.....	4.00	35.00
Pink Killarney.....	5.00	40.00	Killarney.....	4.00	35.00
Perle	4.00	30.00	Perle	4.00	35.00

PETER REINBERG,

30 East Randolph St.,

CHICAGO

Alternantheras Coleus

	Per 100	Per 100
Red, Yellow, 2 1/4 pot, April 20th	\$2.00	10 varieties, 2 1/4 pot..... \$2.00
Geraniums, S. A. Nutt and 5 varieties, my selection.....	6.00	Petunias, May 1st..... 3.00
Asp. Plumosus and Sprengeri, 2 1/4 pots, May 1st.....	.00	Canna, 10 varieties, 3 in. pot..... 4.00
		Pansy Seed, new crop, Giant flowering, Oz. 4.00

Cash or C. O. D.

Jos. H. Cunningham, - - Delaware, O.

BUDDING KNIFE FREE. See Third Special Cover.

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

WINNIPEG, MAN., CAN.—Two interesting addresses were delivered at a meeting held by the Winnipeg Horticultural Society, April 24, one by James Barrett on the cultivation of celery and the other by D. W. Buchanan on tree, shrub and flower planting for the city garden.

Prices of Fruits and Indoor Vegetables.

Chicago, May 13.—Mushrooms, 20 cents to 35 cents per pound; radishes, 25 cents to 35 cents per dozen bunches; lettuce, 27½ cents to 30 cents, small cases; cucumbers, 50 cents to 75 cents per dozen.

New York, May 11.—Mushrooms, 50 cents to \$1.50 per 4-pound basket; cucumbers, 75 cents to \$4 per box; tomatoes, 10 cents to 20 cents per pound; lettuce, 25 cents to 75 cents per dozen; mint, 10 cents to 30 cents per dozen bunches; cauliflower, \$2 to \$3 per dozen.

Transplanting Versus Direct Seeding.

We have become so accustomed to transplanting certain plants that we have almost fallen into a rut—that is, we take it for granted these must be transplanted to do well. This is certainly not the case, for at best transplanting is a delicate operation and always done with more or less injury to the plant, which injury will show in the crop. The writer has met people who claim that tomato seeds by lying outdoors all winter deteriorate thereby to such an extent as to be worthless in breed, which opinion is unfounded. It is based upon the experience with voluntary plants, but we must consider that as a rule all good fruit is picked and the worthless left in the field, which has more to do with the resultant mongrels than the exposure. In our long experience we have demonstrated that superior crops of cabbage, cauliflower, tomatoes, leaf and head lettuce, etc., can be grown by direct seeding. The reason is plain, for these seedlings strike deep into the subsoil and will resist hot weather where transplanted stocks with their shallow roots would fail. Further, for transplanting we need favorable conditions, while for thinning and weeding dry hot weather is desirable. Another factor is the poor help often obtainable. They will stick a plant into the ground any old way—loose or doubled roots, deep or shallow, while the seedling establishes a true root system. In this connection we cannot consider cost of seed, cost of seeding nor thinning; we aim at the other end—a good crop. We would advise parties who have failed with cauliflower, cabbage and late tomatoes to try direct seeding and note results. To defray expenses, check row planting is essential.

MARKETMAN.

OYSTER BAY, N. Y.—The newly organized horticultural society will hold its first annual flower show in June.

Truck Farming in the Canary Islands.

The truck farmers of the Canary Islands engage in intensive farming almost exclusively, as the farms average but two to five acres in size, rarely more, writes Consul William W. Kitchen, Teneriffe. The largest farm in the islands is about 140 fanegadas (the fanegada varies in the different islands, being usually a little less than 1 acre). Plowing is done with primitive plows, consisting of a rough-hewn pole or tongue to which is fastened an iron-pointed stick, drawn by oxen. These plows are not so easily injured by the large loose rocks below the surface of the soil as steel blades would be, and the low cost of labor, about 50 cents American a day, makes the demand for a modern time-saving implement slight. The results obtained with this method of cultivation are excellent, and the appearance of a newly plowed finca (farm) is equal to that of the best English and European market gardens.

The irrigation, which the average yearly rainfall of 15 inches makes imperative, is supplied on these miniature farms by the use of hand watering cans. The larger farms have cement-lined stone reservoirs, some of which have a capacity of several thousand gallons. These are filled from permanent streams by cement troughs. These leads are economically provided by forming cement grooves on the tops of the stone fences, which separate all the farms and are often used in dividing hillside farms into terraces.

A fanegada may produce 300 bunches of bananas a year. Six hundred kilos (1,300 pounds) of seed potatoes are required to plant the same area, the yield being five to 20 times the amount planted. One and a half to two pounds of tomato seed will plant a fanegada and yield two hundred to six hundred 60-pound cases.

Denver, Colo.

CLUB BANQUET.

The principal event of the week was the second annual banquet of the Colorado Florists' Club, held at the Adams Hotel May 6, sixty-eight being present. As a number of the members live in other towns throughout the state, every such occasion that brings us together in a spirit of friendly intercourse is undoubtedly of great benefit to the trade. Much of our business is necessarily with each other, and much is added to the pleasure of business life when there is a mutual feeling of confidence and accord. Even in cases of direct competition, bitterness of feeling does not lessen the competition, and there never is a real fight in which only one is hurt. J. A. Valentine was toastmaster and a very able one he proved to be, drawing out sallies of wit

and humor from all parts of the room. As many who are now in business for themselves were formerly employed by the Park Floral Co., they were one and all so free with their expressions of friendship and loyalty to Mr. Valentine, it seemed for a while as if the meeting would become just one great ovation to him.

NOTES.

Mothers' day was a great success. If it keeps on growing in popularity as it now has, in two or three years it will be as big a business day as Easter. First, though, we must educate the people to the idea of using colored flowers as well as white. Even this year there were not one-half enough white carnations. The weather was dark and threatening too, which kept the crowds from coming out as they would on a bright day.

The season is very late and there is poor prospect for outdoor flowers for Memorial day. There may be a few lilacs, which will be about all.

T. W. H.

SPRINGFIELD, MASS.—The first of the series of flower shows to be given by the Springfield Amateur Horticultural Society was held May 7-8. The special feature was the display of tulips grown from bulbs distributed to the school children last fall.



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

Pure Culture Mushroom Spawn

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

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

Vegetable Plants SWEET POTATO PLANTS

Earliana Tomato Plants in bud. Also Field Grown Tomato Plants, Wakefield Cabbage plants, Spineless Purple Egg Plants, Pepper and Sweet Potato Plants, Parsley, and Strawberry plants, Asparagus Roots. Remember I am the party who supplied Celery plants to the country last summer when no one had them.

WARREN SHINN, WOODBURY, N. J.

Success in Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

TO THE TRADE

HENRY METTE, Quedlinburg, German

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-18 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

COLEUS Fine Plants

In assortment, \$18.00 per 1000

Coleus Rooted Cuttings,

Assorted, \$7.50 per 1000

Cannas

Best Standard Sorts, from 3-inch pots,
Assorted, \$4.00 per 100, \$35.00 per 1000.

Geraniums

Nutt and Harcourt.
Good 2 1/4-in., \$20.00 per 1000.

THE E. G. HILL CO., Richmond, Ind.

200,000 CARNATIONS

We are rooting over 200,000 this season. Our stock of Pure White Enchantress and Enchantress is hard to beat.

	100	1000
Enchantress.....	\$3.00	\$25.00
Pure White Enchantress....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Mrs. C. W. Ward.....	3.50	30.00
Dorothy Gordon.....	3.50	30.00
White Wonder.....	6.00	50.00

Cash or reference.

Fine plants from soil or pots, 50c per 100 more than 100 rates named above.

Smith & Gannett, Geneva, N. Y.

Roses, Cannas, Shrubs

Ask for New Price List

THE CONARD & JONES CO.
WEST GROVE, PA.

PALMS, FERNS

AND

Decorative Plants

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

ROSES

A SPECIALTY.

The Dingee & Conard Co.
WEST GROVE, PA.

ASPARAGUS

Plumosus Nanus Seed

NORTHERN GREENHOUSE GROWN

Of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$3.50;
5000 seeds at \$3.25 per 1000.

Vaughan's Seed Store, CHICAGO, NEW YORK.

19,000

Rose Plants. Bride, Pink Killarney and Richmond.

MAKE US AN OFFER

on the whole lot or part, and if it sounds good, they are yours. They are all fine, healthy bench plants, but must be sold at once to make room for our new rose, Wilhelmina. A Bargain for Some One. Grab It Now.

HOERBER BROS, Des Plaines, Ill.

Budding Knife Free. See Third Special Cover.

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

ALTOONA, PA.—To encourage the advancement of horticulture, William E. Gable will distribute 20,000 silver maple trees among children of the public schools this spring.

SCOTTSVILLE, TEXAS.—The Standard Orchard Company reports that their peach trees are so heavily loaded that many of them could stand a 50 per cent drop (this occurs in May when the trees rid themselves of surplus fruit) and still have plenty left to mature.

Thornless Prickly Pears.

The culture of the spineless prickly pears in the United States is limited to the coast and interior valleys of California, the extreme southern portion of the Rio Grande valley in Texas, the warmer portions of southern Arizona and possibly the coastal region of southern Florida. Their growth upon the elevated regions of California and Arizona is soon limited by the increasing low temperatures and they will not endure the winter temperatures of any locality in New Mexico. These plants have been the subject of a bulletin of the U. S. Department of Agriculture which states that the prevalent notion that these plants need no water is erroneous and should be given no credence, nor are they as resistant to drought as the spiny varieties. They are surface feeders and do not draw vigorously from the lower layers of subsoil for their moisture, but they can be grown on one-third of the water required to grow alfalfa. Like all other perennials it is impossible to state definitely what degree of temperature the plants of thornless prickly pears will stand, or at what temperature they will be killed, so much depends on surrounding conditions and circumstances, but generally speaking, it is believed that a minimum of 20° marks the limit of the endurance of these plants.

Accurate information regarding the yield is hardly possible, for they have not been yet planted extensively enough or for a long enough time, but a yield of 20 to 25 tons to the acre pays well and such a yield means sufficient roughage for one cow from one acre without irrigation. The best feeding results are obtained by using some dry roughage in connection with the prickly pear, yet this food has been used successfully for months at a time, in one instance a herd of 80 to 100 cows had no other roughage for two years.

The most important point to be considered is the rapidity of growth of the prickly pear, but it is a great mistake to expect that it will grow anywhere or on any kind of soil. If well cared for, given a good supply of water and good drainage it will thrive on almost any soil where the temperature does not run too low, but the best crop is on the best soils. The propagation is from both cuttings and seeds, but the former is the more rapid way of procuring mature plants. The plants are set in rows six feet apart and three feet apart in the row in ground thoroughly prepared and cultivated like

other crops frequent enough to maintain a good tilth and to keep down weeds, but the plants are shallow-rooted and the cultivation should not be deep. They can be harvested at any time, but the cattle do not like the young joints for some time after they first form.

On account of the bulky and heavy nature it is impracticable to transport prickly pears in large quantities and it is better for the grower to obtain a moderate quantity to start with and grow his own stock. One cutting will yield an average of eight to 12 in a season and 100 will stock a quarter of an acre the second season. The department has collected and imported 25 or more varieties and distributed eight or 10 in large quantities among nurserymen.

Phoenix Canariensis balled, by the carload,
 3, 3½, 4, 4½, 5, 5½ ft., at 40c, 55c, 75c, 95c, \$1.20,
 \$1.45 each. Packing extra for smaller orders.

Phoenix Canariensis in 2 in. pots, \$4.00 per 100
 Washingtonia Robusta, in 2 inch pots,
 \$3.50 per 100.

THE KENTIA NURSERIES,
 Gillespie St. & Fisher Ave., Santa Barbara, Calif.

Roses Originated by Jackson Dawson

Write for pamphlet, including prices.
EASTERN NURSERIES,
 1090 Centre St., JAMAICA PLAIN, MASS.
 H. S. DAWSON, Manager.

ABIES::

Pungens Glauca Kosteriana
 (Koster's Blue Spruce)

Fine Specimens, 3 to 3½ ft., \$3 50 each
W. W. Coles, Kokomo, Ind.

Robert Craig Co...

HIGH CLASS PALMS
 and Novelties in Decorative Plants.
 Market and 49th Sts., Philadelphia, Pa.



Moon's

A nursery with an enormous collection of thrifty **Ornamental Trees & Shrubbery** for landscape plantings. Catalogue upon request.
The Wm. H. Moon Co.,
 MORRISVILLE, PA.

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
 Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL New York

LARGE TREES

OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.

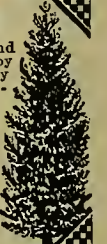
Hill's Evergreens

You ought to visit our nurseries and see us growing millions of little "baby evergreens" to understand properly what *patience and experience and special skill* it takes to do the job right.

We have all three, plus a first-class organization to take prompt care of your orders—and our prices are right. Ask for Wholesale Catalog and prices.

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 Largest Growers in America
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Surplus Stock

Offered to the Trade by
The New England Nurseries, Bedford, Mass.

Strong Plants from 2½-in. Pots.

1,000 Lupinus polyphyllus.....	\$0.05
1,000 " alba.....	.05
20,000 Phlox dec. in best varieties.....	.03
10,000 Chrysanthemums in best varieties.....	.03
10,000 Anemone jap. in variety.....	.06
5,000 Armeria maritima.....	.03½
5,000 " cephalotes rubra.....	.03½
2,000 Agrostemma flos jovis.....	.03½
2,000 " coronaria.....	.03½
2,000 Lathyrus latifolius.....	.04
20,000 Dbl. Garden Pinks in best varieties.....	.03½
5,000 Sedum album.....	.05
5,000 " acre.....	.05
2,000 Scabiosa caucasica.....	.06
5,000 Lychnis plen. semperflorens.....	.05
5,000 Stokesia cyanea.....	.04
5,000 " alba.....	.04
3,000 Centaurea macrocephala.....	.04
5,000 Campanula carpatica.....	.05
5,000 " media in variety.....	.05
10,000 Aquilegia in variety.....	.05
2,000 Lobelia cardinalis.....	.04
2,000 " syphilitica.....	.04
10,000 Helianthemum in variety.....	.03½
5,000 Papaver nudicaule in variety.....	.05
2,000 " orientale.....	.05
5,000 Delphinium elatum.....	.05
5,000 " hybrida mixed.....	.05
2,000 " sin. alba.....	.04
5,000 Bellis perennis.....	.03
-AL O-	
10,000 Lonicera Halleana.....	.04
2,000 Vinca minor alba.....	.08
4,000 Acrotaophyllus uva ursi.....	.05
5,000 Rose Dorothy Perkins.....	.03
2,000 " Hiawatha.....	.04
2,000 " Trier.....	.03½

A discount of 5% will be allowed for Cash with Order.

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Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

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All Our Importations Have Been Received
in First-Class Condition.

BAY TREES

BOX TREES



Prices include tubs.
Standard or Tree Shaped.

Stems	Crowna	Each	Pair
36 in.	24 in.	\$ 7 00	\$13 00
45 in.	28 in.	7 50	14 00
45 in.	28 in.	8 00	15 00
45 in.	30 in.	10 00	18 00
48 in.	34 in.	12 00	22 00
48 in.	40 in.	15 00	28 00

Dwarf Standards

Stems	Crowna	Each	Pair
30 in.	24 in.	\$ 7 00	\$13 00
18 in.	24 in.	7 00	13 00
12 in.	30 in.	7 50	14 00

Pyramid Shaped.

Diameter at Base		Each	Pair
5 ft. high,	24 in.	\$ 8 00	\$15 00
6 ft. high,	28 in.	10 00	18 00

Ampelopsis Veitchii.

(Japan or Boston Ivy.)

	Each	Doz.	100
2-year-old planta...	\$0 15	\$1 75	\$12 00
3-year-old planta...	20	2 00	15 00

Prices include green tubs.
10 per cent discount if wanted out of tubs.

Standard or Tree Shaped.

18-26 in. stem, 18 in. crown.	\$3 00	\$5 50
18-20 in. stem, 24 in. crown.	4 50	8 00

Pyramid Shaped.

	Each	Pair
2½ ft. high	\$2 00	\$ 3 75
3 ft. high	2 50	4 50
3½ ft. high	3 00	5 50
4 ft. high	4 00	7 50
5½ ft. high	7 50	14 00

Globe Shaped.

15 in. high, 15 in. in diam.	\$2 25	4 00
18 in. high, 18 in. in diam.	2 75	5 00

Bush Shaped

Prices do not include tubs.

	Each	Doz.	100
12 in.	\$0 35	\$ 3 80	\$25 00
18 in.	60	8 50	
20 in.	75	8 00	
36 in.	3 50	per pair	6 00

Pyramidal Box Tree.

Standard Bay Tree.

Vaughan's Seed Store, 31 W. Randolph St., CHICAGO.
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Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

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FROM SAND FOR IMMEDIATE DELIVERY

PINK. R. C. per 100			CRIMSON. R. C. per 100			WHITE.		
Gloria	\$2 50	\$20 00	Pockett's Crimson	\$2 50	\$20 00	Lynwood Hall	2 50	20 00
Amorita	2 50	20 00	Schrimpton	2 50	20 00	Alice Byron	2 00	15 00
Dr. Enguehard	2 50	20 00	Intensity	2 00	15 00	Touset	2 00	15 00
Pacific Supreme	2 00	15 00	YELLOW.			October Frost	2 00	15 00
Balfour	2 00	15 00	Crocus, the best yellow..\$4 00 \$35 00					
			Halliday	2 00	15 00			
			Maj. Bonnafon	2 00	15 00			

The above varieties of 'Mums FROM SOIL, \$4.00 per 1000 additional.

J. D. THOMPSON CARNATION CO., Carnation Specialists, Joliet, Ill.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$4.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Coleus, Althernantheras, red and yellow. Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

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

Mention the American Florist when writing

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2½-in.: \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

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Stock for Everybody

Gladiolus America, \$4.00 per 100; \$35.00 per 1000.

Dahlias, pot plants, the cheapest and most satisfactory way to buy Dahlias. Following list of good cut flower varieties: A. D. Lavoni, Arabella, White Dove, Strahlein Krone, Standard Bearer, C. W. Bruton, Countess of Lonsdale, \$3.50 per 100. Sasan, grand sort, \$7.50 per 100. Grand Duke Alexis, \$5.00 per 100. Snowball and Caleb Powers, \$7.50 per 100. John Thorpe, \$5.00 per 100. Azalea Mollis; Hardy, for outdoor planting, 12 to 15 in. high, full of buds, \$25.00 per 100.

Tree Roses, straight, stiff stems, 4 ft. high, with good heads; hardy sorts only, all colors, \$40.00 per 100.

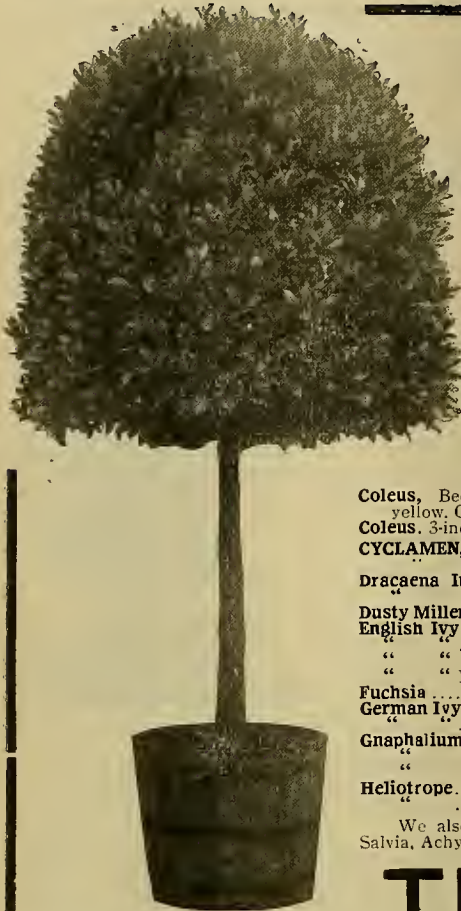
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Rhododendrons, Parson's hardy varieties for outdoor planting, undoubtedly the largest block of imported plants in the country. Fine bright foliage and well filled with buds. Named sorts in all colors. 15 to 18 in. high, 7 to 10 buds, 50c each; 18 to 24 in. high, 8 to 12 buds, 75c each; 24 to 30 in. high, 12 to 16 buds, \$1.00 each, 30 to 36 in. high, 16 to 20 buds, \$1.50 each.

Kalmia Latifolia (Mountain Laurel), 18-in. high, 12 to 15 in. head, with ball of earth, 50c each.

English Ivy, strong 4-in. pot plants, in fine growing condition, 3 ft. of tops, \$12.00 per 100; 2½-in. pots, \$4.00 per 100.

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Bedding Plants

Very Choice Stock and

Achyranthes.....	3-in.....	\$0.05	Hydrangea Otaksa.....	2-in.....	
Ageratum.....	2-in.....	.02½	".....	3-in.....	
".....	3-in.....	.05	".....	4-in.....	
".....	4-in.....	.07	".....	5-in.....	
Althernanthes.....	2-in.....	.02½	Lantanas.....	4-in.....	
Caladium Esculentum.....	4-in.....	.10	".....	2-in.....	
".....	5-in.....	.15	Lemon Verbenas.....		
Cannas, King Humbert, Flor- ence Vaughan, Austria.....	4-in.....	.08	Lobelia.....	2-in.....	
Celosia or Cockscombs.....	2-in.....	.03	" Katherine Mallard.....	2-in.....	
".....	3-in.....	.05	Marguerites, Yellow.....	4-in.....	
Cobaea Scandens.....	3-in.....	.05	" Single White.....	4-in.....	
".....	4-in.....	.08	" Mrs. Sander.....	4-in.....	
Coleus, Beckwith Gem, Verschaffeltii, Pfister red and yellow, Golden Bedder.....	2-in.....	.02½	Mme. Salleroi.....	3-in.....	
Coleus, 3-inch.....		.05	Penisetum.....	2-in.....	
CYCLAMEN, 2-in.....		\$4.00 per 100	Petunias, Single, Bar Harbor Beauty.....	2-in.....	
".....		6.00 per 100	Poinsettias, stock plants, 4-in.....		\$5.00 per 100
Dracaena Indivisa.....	3-in.....	.05	Pyrethrum, Golden Feather.....		
".....	4-in.....	.10	Ricinus (Castor Bean).....	3-in.....	
Dusty Miller.....	2-in.....	.02	Rose Geranium.....	4-in.....	
English Ivy.....	4-in.....	.15	".....	3-in.....	
".....	3-in.....	.07	Roses, Plants Assorted.....	5 and 6-in.....	
".....	2-in.....	.03	Salvia.....	3-in.....	
" " Rooted Cuttings.....		.01	".....	2-in.....	
Fuchsia.....	4-in.....	.08	".....	4-in.....	\$1.00 per doz.
German Ivy.....	3-in.....	.06	".....		\$5.00 per 100
".....	2-in.....	.02½	Shasta Daisies.....		
Gnaphalium Lanatum Vine.....	2-in.....	.03	Sweet Alyssum.....	2-in.....	
".....	3-in.....	.07	Thunbergia.....	2-in.....	
".....	4-in.....	.12	Verbenas.....	2-in.....	
Heliotrope.....	3-in.....	.05	Vinca.....	4-in.....	
".....	4-in.....	.08	Vinca Variegata.....	2-in.....	
			Vinca Minor.....	2½-inch.....	\$3.00 per 100
			".....	4-inch.....	8 00 per 100
			Umbrella Plants.....		2-in.....

We also have on hand about 15,000 or 20,000 Cuttings in sand, ready to be potted, of Marguerites, Ivies, Geraniums, Salvia, Achyranthus and Lobelia, Etc.

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For Immediate Sales

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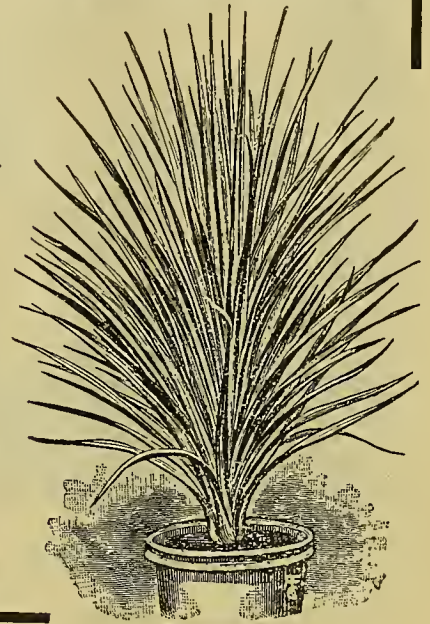
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18 " 4.00
24 " 6.00

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..... 3.00
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..... 6.00
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8-24 in. " 9.00
8-24 " 10.00

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Each
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5-5½ ft. high \$ 7.00
..... 10.00

Pyramid. Each
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5 " " 8.00
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2 " " 18 " " 4.00
2 " " 20 " " 5.00
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3½ " " 30 " " 8.50
4 " " 48 " " 20.00



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Radlance	11 00	120 00
Dbl. Pink Killarney, 3½-in.	150 00	

OWN ROOT.

	Per 100	1000
White Killarney, 2½-in.	\$6 50	\$60 00
Maryland, 2½-in.	5 50	50 00
Antoine Rivoire, Mrs. Taft, or Prince de Bul- garia, 2½-in.	8 00	70 00
Melody, 2½-in.	8 00	70 00
Mrs. Aaron Ward, 2½-in.	8 00	70 00
Dbl. Pink Killarney, 2½-in.	6 50	60 00

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	WHITE.		2½-in. per	
	R. C.	per	100	1000
Smith's Advance	\$3 00	\$25 00	\$4 00	\$25 00
October Frost	2 50	20 00	3 00	25 00
Virginia Poehlmann	2 50	20 00	3 00	25 00
Clementine Pousset	2 50	20 00	3 00	25 00
Alice Byron	2 50	20 00	3 00	25 00
Timothy Eaton	2 50	20 00	3 00	25 00
W. H. Chadwick	3 00	25 00	4 00	25 00
YELLOW.				
Golden Glow	2 50	20 00	3 00	
Halliday	2 50	20 00	3 00	25 00
Col. Appleton	2 50	20 00	3 00	25 00
Major Bonaffon	2 50	20 00	3 00	25 00
Yellow Eaton	2 50	20 00	3 00	25 00
Golden Chadwick	3 00	27 50	4 00	35 00
Dolly Dimple	2 50		3 00	

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	100	1000	100	1000
McNiece	\$2 50	\$20 00	\$3 50	\$30 00
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Patte	2 50			
Dr. Enguehard	2 50	20 00	3 50	30 00
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Schrimpton	3 00	25 00	3 00	25 00
Intensity	2 50	20 00	3 00	25 00

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Varieties only.

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2½ in. \$4 00 per 100; \$35 00 per 1000

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 12-inch Riverton tubs, 8 to 10 " 2.50
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 Boston, Barrowsi and Elegantissima;
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Pot	Leaves	In. high	Each
2½-in.	4	8 to 10	\$ 1 50
3-in.	5	12	2 00
4-in.	5	15	\$0 35
5-in.	6 to 7	18	50
6-in.	6 to 7	24	1 00
Cedar tub	Leaves	In. high	Each
7-in.	6 to 7	34 to 36	2 50
9-in.	6 to 7	40 to 45	4 00
9-in.	6 to 7	42 to 48	5 00
9 in.	6 to 7	48 to 54	6 00
9-in.	6 to 7	5 ft.	7 50

Cocos Weddelliana			
Pot		In. high	Per 100
2½-in.		8 to 10	\$10 00
Areca Lutescens			
Cedar tub	Plants in tub	In. high	Each
9-in.	Several	5 ft.	\$7.50

Kentia Forsteriana—Made up			
Cedar tub	Plants	In. high	Each
7-in.	4	36	\$ 2 50
7-in.	4	36 to 40	3 00
9-in.	4	40 to 42	4 00
9-in.	4	42 to 48	5 00
9-in.	4	48 to 54	6 00
12-in.	4	5½ to 6½ ft.	15 00

Phoenix Roebelenii			
Pot			Each
6-in.,		nicely characterized	\$1 00
6 in.,		18 to 20-in. spread	1 50
Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	\$2 00

Cibotium Schiedeii			
Cedar tub	Spread		Each
9-in.	4 feet		\$3 00
9-in.	5 feet		5 00
9-in.	6 feet		6 00

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Four-inch stock at \$3.50 per 100.

Samples of any stock for ten cents.

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Asparagus Plumosus, 2¼-inch,	\$3.50	\$30.00
3-in.,	\$6.00	\$60.00
500 at 1000 rate.	Cash with order.	

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Own Root, \$25 per 100; \$200 per 1000.

RICHMOND, Grafted, \$15 per 100; \$120 per 1000; Own Root, \$7.50 per 100; \$60 per 1000.

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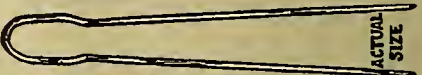
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Aquilegia (Columbine) white or mixed, 3-year clumps, \$5 per 100. Cash. Stevens' Gladiolus Company, Saginaw, Mich.

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Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechslin, 4911 Quincy St., Chicago.

Araucaria excelsa, 4-in., 6 to 8 ins., case lots of 50 and 100 each, \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

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Asparagus plumosus nanus, from 2¼-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, prop., Chatham, N. J.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

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Asparagus plumosus nanus, 2¼-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 2½-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Palmsville, O.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengeri, extra strong, 3-in., 6c; 3¼-in., 8c. Cash, please. Heinal's Greenhouses, West Toledo, Ohio.

Asparagus Sprengeri, 2¾-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

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Asparagus plumosus, 3¼ in., \$7 per 100. Culvert Floral Co., Lake Forest, Ill.

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Aster plants, Vick's and Semple's branching, Victoria, Carlson's and Comet, Seedlings, 50c per 100; transp., \$1 per 100. Danville Floral Co., Danville, Ill.

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Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea mollis, 12-15 ins., 10 to 16 buds, \$25 per 100. Storrs & Harrison Co., Palmsville, O.

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BAY and BOX TREES. Fine assortment. State size wanted. Wagner Park Conservatories, Sidney, O.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

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Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay Trees. Bobbink & Atkins, Rutherford, N. J.

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Bedding plants. Abutilon Savitzl; Acalypha macaeana; Achyrantes Emeraon; ageratum, 7 varieties; Begonia Vernon; Cuphea platycentra; Cineraria Maritima candidissima; Canas, assorted and King Humbert; Coleus, Brillancy and 11 standard varieties; Chrysanthemums, hardy pompons; Fuchsia, Göttingen and Marinka; hardy English ivy; Geraniums, ivy leaved, Mt. of Snow, Mrs. Pollock, Silver leaf Nutt, Sophie Dumaresque; Heliotrope Chieftain and Mme. Bruant; Lemon verbenas; moonvine; white and blue; petunias, dbl. fringed mixed; Sage Hots mammoth; Salvia Bonfire and Zurich; Senecio scandens, parlor ivy; Verbenas, 5 vars.; hardy phlox, 10 varieties. For sizes and prices see advertisement elsewhere in this issue. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Coleus, alternantheras, red and yellow; heliotrope, scarlet sage, lemon verbenas, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

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Begonias, Lorraine, 2½-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Turnford Hall, Betty Anderson, La. Patric, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

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Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Bush box, 12 ins., 30c each; \$25 per 100. Storrs & Harrison Co., Palmsville, O.

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Bulbs, gladiolus, Kunderi "Glory," per 100, \$7.50; per 1,000, \$70. America, 1¼ to 1½-in., \$27.50 per 1,000. Mrs. Francis King, 1¼ to 1½-in., \$17 per 1,000. Augusta, 1¼ to 1½-in., \$16 per 1,000. Princes, per 100, \$10. Extra fine mixture, part named, \$18. Tuberoses, Dwarf Pearl, medium, 3-4 in., \$5 per 1,000. Lilium auratum, 8-9 in., \$50 per 1,000; 9-11 in., \$30. Vaughan's Seed Store, Chicago and New York.

Bulbs, Gladiolus, America, \$3.50 per 100; \$30 per 1,000; Augusta, \$2.25 per 100; \$20 per 1,000; Francis King, \$2.75 per 100; \$25 per 1,000; White and Light mixture, \$1.75 per 100; \$15 per 1,000. Galadimms, 5-7-inch., \$2 per 100. Gloxinias, separate, \$3.50 per 100; \$30 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fliske, Rawson Co., Paucul Hall Sq., Boston, Mass.

Japan Lily bulbs, Lilium giganteum, longiflorum, Formosa, multiflorum, magnificum, Mel-pomene, rubrum, album, auratum, etc. The Japan Lilium Co., 952 40th St., Oakland, Calif.

Bulbs, Horseshoe Brand Lilium Harrist. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

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Cannas. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

CARNATIONS.

Table with columns for variety names and prices per 100. Includes Washington, White Wonder, White Enchantress, etc.

CHICAGO CARNATION CO. A. T. Pyfer, Mgr., 30 E. Randolph St., Chicago.

Carnations, extra fine strong stock in the following varieties: Enchantress, Pure White Enchantress, Rose Pink Enchantress and W. Perfection, \$3 per 100; \$25 per 1,000. Beacon, Dorothy Gordon and Mrs. C. W. Ward, \$3.50 per 100; \$30 per 1,000. White Wonder and Gloriosa, \$6 per 100; \$50 per 1,000. 1 guarantee to please you. 250 at 100 rate. Cash or reference. A. A. Gannett, Geneva, N. Y.

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Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000; White Winsor, \$6 per 100; \$50 per 1,000. Smith & Gannett, Geneva, N. Y.

Carnations, Washington, \$4 per 100; \$35 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000. Beacon, \$3 per 100; \$25 per 1,000. May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward, White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnations, strong 2-in. stock, Mrs. C. W. Ward, Alma Ward and Dorothy Gordon, \$3.50 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Carnations. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Victory, 2-in. pots, \$1.50 per 100. Washington, \$5. A. M. Herr, Lancaster, Pa.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Table with columns for variety names and prices per 100. Includes Crimson, Pickett's Crimson, Intensity, White, Alice Byron, Tousest, October Frost, Yellow, Crocus, Golden Glow, Halliday, Maj. Bonnafon, Pink, Pacific Supreme.

ROOTED CUTTINGS out of Sand. Out Door Propagation. Ready to ship. Safe arrival guaranteed. WHITE, \$1.50 per 100; \$12.50 per 1,000; Early Chadwick, Kalb, White Cloud, Mlle. Desjouis, Florence Pullman, Mrs. Buckbee, Silver Wedding, Lynwood Hall, Queen, Timothy Eaton, Yanoma. YELLOW, \$1.50 per 100; Monrovia, Halliday, Appleton, Golden Wedding. PINK, \$1.50 per 100; \$12.50 per 1,000; V. H. Simpson, J. Rosette. SINGLE SORTS: Cosmos, Pink; Lady Smith, pink. MEMPHIS FLORAL CO., 145 South Main St., Memphis, Tenn.

Chrysanthemums, strictly first-class stock, White Chadwick, Yellow Chadwick, White Jones and Yellow Jones, R. C., \$2.50; 2 1/2-in., pots, \$3.50 per 100. Otto J. Hembrelker, Lincoln, Ill.

Chrysanthemums. The best for florists' use. For list of varieties see elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

HEADQUARTERS

Table with columns for variety names and prices per 100. Includes Chrysanthemums, Rooted Cuttings, White, Chadwick, October Frost, Yanoma, Mrs. Buckbee, W. Bonnafon, Tousest, W. Gloria, Yellow, Golden Glow, Monrovia, Robt. Halliday, Col. Appleton, Golden Eagle, Nagoya, Pink, Rosiere, Pacific, Monogram, Dr. Enguehard, J. Rosette, Wells Late Pink, Marian Newell.

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Table with columns for variety names and prices per 100. Includes White, Baby Margaret, Diana, Garza, Lulu, Yellow, Quinola, Baby, Pink, Ladysmith, Emille.

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Chrysanthemums, strong rooted cuttings. White: Alice Byron, Chadwick, Early Snow, \$2 per 100; \$18 per 1,000. Polly Rose, \$1.50 per 100; \$15 per 1,000. Pink: Patty (Enchantress color), \$2.50 per 100; \$20 per 1,000. Yellow Supreme, \$2 per 100; \$15 per 1,000. Dr. Enguehard, \$1.50 per 100; \$15 per 1,000. Yellow: Dolly Dimple, Nagoya, Golden Eagle, \$2 per 100; \$18 per 1,000. Bonnafon, Robt. Halliday, \$1.50 per 100; \$15 per 1,000. Cash with order. Shipped direct from greenhouses. A. L. Young & Co., Wholesale Florist, 54 W. 28th St., New York City.

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Chrysanthemums. Our collection of over 50 varieties cover all that is desirable. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, Chas. H. Totty, Madison, N. J.

Chrysanthemums, Wm. Swayne, Box 85, Kennett Square, Pa.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

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Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COBEOAS.

Cobaeas 2 1/2-in., \$3.50; 3-in., \$6.00 per 100. 15 to 20-in. vines. Wonsetler Greenhouses, Bryan, O.

COLEUSES.

Coleus, R. C., \$5 per 1,000, Golden Bedder, Verschaffeltii and Standards mixed. 4-in. pot plants and 2 1/2-in. assorted giant leaved, \$3.50 per 100. A. M. Herr, Lancaster, Pa.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, asst., \$18 per 1,000; rooted cuttings, \$7.50 per 1,000. The E. G. Hill Co., Richmond, Ind.

Coleus, mixed, 2-in., \$18 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Coleus, 10 varieties, 2 1/2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

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Cyclamen Gigantea, transplanted Aug. seedlings. Cream of English and German strain, including orchid and beat salmon dower, 10 separate varieties, 4-6 leaves, ready to pot, \$3 per 100; \$25 per 1,000. Rober & Radke, Maywood, Ill.

Cyclamens, 3-in. pots, \$10 per 100; \$50 per 1,000. Julius Roehrs Co., Rutherford, N. J.

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COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink Dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest Dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlia, leading kinds, \$3.50 per 100; \$30 per 1,000. Divided field-roots, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Dahlia, strong divisions, best cut flower sorts, grown from divisions, not plants. The W. K. Fletcher Bulb and Floral Co., shipping point, Des Moines, Valley Junction, Iowa.

Dahlia, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlia, new and standard varieties. Bassett & Welter, Hammon, N. J.

Dahlia, leading sorts. Vaughan's Seed Store, Chicago and New York.

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DAISY HEADQUARTERS. We offer the three best, Mrs. Sander, Soliel d'Or (yellow), and Queen Alexandra, strong plants from 2 1/2-in. pots, \$5 per 100. WIELAND & RISCH, 154 N. Wabash Ave., Chicago.

DRACAENAS.

Dracaena indivisa, 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$4 per doz., \$30 per 100. Large plants, 8 and 9-in., \$1, \$1.50 and \$2. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracaena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Witthold Co., 739 Buckingham Pl., Chicago.

Dracaena indivisa, 4-in., \$10 per 100; 6-in., \$25 per 100. Calvert Floral Co., Lake Forest, Ill.

Dracaena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmanas, Newton, N. J.

ECHEVERIA

Echeveria secunda glauca, from flats, \$25 per 1,000. The Carl Hagenburger Co., W. Meutor, O.

FERNS.

Ferns, Amerpohl, Barrowsli, Scotti, Elegantissima, Boston, Jacksoni, Sword and Whitmani, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dingee & Conrad Co., West Grove, Pa.

Ferns for dishes, transplanted, ready for pots, 5 vars., \$1.00 100; \$9.00 1,000. To make room—2-in., 8 vars., \$2.50 100; \$20.00 1,000. Aspidium tsussimense, Cyrtolium falcatum, \$3 100. Cash, please. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitmani, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston and Scottii, from bench, \$15 per 100. The Carl Hagenburger Co., W. Meutor, O.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechsli, 4911 Quincy St., Chicago.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmanas, Newton, N. J.

Ferns, Jobu Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

GERANIUMS.

GERANIUMS, all varieties. Large plants, \$8 per 100. M. C. Gunterberg, 82-86 E. Randolph St., Chicago, Ill.

Geraniums, 4-in., all colors, \$7 per 100. Calvert Floral Co., Lake Forest, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

STOCK PLANTS.

Good strong plants for bedding, one-year old S. A. Nutt. Dbl. Grant, Poltevine, Buchner, \$5 per 100. ROOTED CUTTINGS, extra strong, \$1.25 per 100; \$12 per 1,000. The W. T. Buckley Co., Springfield, Ill.

GERANIUM SCARLET BEDDING.

An improved S. A. Nutt, being brighter in color and surpassing this popular sort in freedom of bloom. Strong plants, 30c each; \$2.50 per 10; \$20 per 100.

ELMER D. SMITH & CO., Adrian, Mich.

Geraniums, 10,000 S. A. Nutt, good strong 4-in. in bud and bloom; we are sure this stock will please you at \$8 per 100. Cash with order please. Frank Felke, 828 Ridge Ave., Wilmette, Ill.

Geraniums, S. A. Nutt, Ricard, Beaute Poltevine, White Buchner, 2 1/2-in., 3c; 2-in., 6c; 4-in., 7c and 8c. Good, stock plants in bud and bloom. Cash with order. Gus Schlegel, Olney, Ill.

Geraniums, standard sorts, strong plants, well grown, 4-in., \$8 per 100; 3-in., \$6 per 100. Jas. Jackson, Kalamazoo, Mich.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poltevine, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, Nutt, and 5 varieties 3-inch, my selection, \$6 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, S. A. Nutt, 4-in., \$7 and \$8; 3-in., \$5 per 100. Beaute Poltevine, 3-in., \$6 per 100. Otto J. Hembrelker, Lincoln, Ill.

Geraniums, R. C., \$1 per 1,000, Nutt, Poltevine, Ricard. A. M. Herr, Lancaster, Pa.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, Henry M. Robinson & Co., 46 W. 26th St., New York.

HARDY PLANTS.

Hardy garden pinks, "Homer," double clove pink, field-grown flowering clumps, \$4 per 100; in 1,000 lots, \$38 cash. Stevens' Gladioli Company, Saginaw, Mich.

Hardy pinks, field clumps, \$2 per 100. Sweet Williams, field clumps, \$3 per 100; \$25 per 1,000; small plants, 50c per 100; \$3.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Hardy perennials. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Ruthersford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope, A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangeas for summer flowering, 11-in. pail-tubs, 5 to 6 leads, \$1 each; 12-in. Riverton tubs, 8 to 10 leads, \$2.50 each; 14-in., 10 to 12 leads, \$3.50 each. Jeanne d'Arc, 6-in. pots, 25c each; 10-in. pail-tubs, 75c. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

English ivy, 2 1/2-in., \$3 per 100. The Good & Reese Co., Springfield, O.

English ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantana, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantana, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Harburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the Valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MOONVINES.

Ipomoea grandiflora, 2 1/2-in., need a shift, \$3.00 per 100. Wonseller Greenhouses, Bryan, O.

MUSHROOM SPAWN.

Mushroom Spaw. Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, ornamental trees and shrubbery. The Wm. H. Moon Co., Morrisville, Pa.

Evergreens. D. Hill Nursery Co., Box 404, Dundee, Ill.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Reigate, England.

Orchids, Cattleya and Laelia anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Phoenix Canariensis and Areca Sapida. For prices see advertisement elsewhere in this issue. The Kenia Nurseries, Santa Barbara, Calif.

Cycas stems, dormant, 50 lbs., per lb., 10c; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs and up, 7 1/2c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock Co., Wyncote, Pa.

Palms, McHutchison & Co., 17 Murray St., New York.

PANSIES.

150,000 pansy plants, fall transplanted, best strains, in colors or mixed, \$2.25 per 1,000. Strong seedlings, \$1.25 per 1,000. Cash with order. Henry Greene, Rt. Hamilton Ave. and 2nd St., Brooklyn, N. Y.

Pansies, forget-me-nots, daisies, wallflowers, sweet Williams, galliardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, \$3 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash, please. Rober & Radke, Maywood, Ill.

Poinsettias, 2 1/2-in., \$5 per 100; \$45 per 1,000. Extra strong plants, \$5.50 per 100; \$50 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

PRIMULAS.

Primula, 2-in., frame grown, main specialty for many years, ready June 15. ORONICA Ronsdorfer and Luthmann strains, positively best in existence. GRANDIFLORA, 10 colors and GRANDIFLORA FRINGED, 5 colors, 2 1/2c. GIGANTEA, 5 colors, 3c. CHINENSIS GRANDIFLORA FRINGED, 11 colors, 2 1/2c. J. L. SCHILLER, Toledo, O.

PRIVET.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 in., 3c. The Dings & Conard Co., West Grove, Pa.

RHODODENDRONS.

RHODODENDRONS. Fine, hardy hybrids and Catawbiense, full of bud, \$1 to \$2.50 each. Can supply in quantity. Wagner Park Conservatories, Sidney, O.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS. Fine specimen plants, 10 to 12 buds, 50c each. Cash with order. F. O. Franzen, 1476 Summerdale Ave., Chicago, Ill.

Rhododendrons, 18 to 24 in., 8 to 12 buds, 75c each; 24 to 30 in., 12 to 16 buds, \$1 each; 30 to 36 in., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 in., named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

ROSES.

CHOICE ROSE PLANTS.

Table with 3 columns: Name, Size, Price. Includes American Beauties, Pink Killarney, White Killarney, Richmond, Jardine, Uncle John.

WIETOR BROS.,

162 N. Wabash Ave. Chicago

ROSE PLANTS.

Extra fine clean, healthy and well grown stock.

Table with 3 columns: Name, Size, Price. Includes Richmond, Kaiserin, Mrs. Aaron Ward, Melody, My Maryland.

SINNER BROS.,

82 E. Randolph St., Chicago, Ill.

ROSES—ROSES.

Table with 3 columns: Name, Price. Includes Richmond, Kaiserin, Mrs. Aaron Ward, Melody.

SALVIA splendens, 2-in. pots, \$2.00 per 100; 3-in. pots, \$3 per 100.

Cash with order. J. HENRY BARTRAM, Lansdowne, Pa.

ROSES FOR LINING OUT.

Table with 3 columns: Name, Price. Includes Orleans, Hawatla, Lady Gay, Evangeline, Mimihaha, Miss Messman.

THE CONARD & JONES CO., West Grove, Pa.

Table with 3 columns: Name, Price. Includes American Beauties, Bride, Bridesmaid, Ivory, Uncle John, Richmond.

GEO. A. KUHLE, PEKIN, ILL.

Roses, 2 1/2-in., Am. Beauty, \$4.50 per 100; \$40 per 1,000. White Killarney, Pink Killarney, My Maryland, \$5 per 100; \$40 per 1,000. Perle, Richmond, \$4 per 100; \$30 per 1,000. Bench plants: Am. Beauty, \$5 per 100; \$45 per 1,000. Pink Killarney, Killarney, Perle, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

NEED ROSE PLANTS?

We Ship Orders Same Day.

	Per 100	Per 1000
Mrs. Taft, 2 1/4-in.	\$6.00	2 1/2-in. \$7.00
Killarney, 2 1/4-in.	3.00	2 1/2-in. 5.00
White Killarney, 2 1/4-in.	3.00	2 1/2-in. 5.00
Richmond, 2 1/4-in.	3.00	2 1/2-in. 5.00
Melody, 2 1/4-in.	6.00	2 1/2-in. 8.00
Maryland, 2 1/4-in.	4.00	2 1/2-in. 6.00

WEILAND & RISCHL

154 N. Wabash Ave. Chicago.

Roses, Killarney Queen, and Dbl. White Killarney, grafted, \$30 per 100; 250, \$70; \$250 per 1,000; own roots, \$25 per 100; \$200 per 1,000. Richmond, grafted, \$15 per 100; \$120 per 1,000; own root, \$7.50 per 100; \$60 per 1,000. Mrs. Taft, own roots, \$7.50 per 100; \$60 per 1,000. Radiance, own root, \$7.50 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

ROSE PLANTS.

	Per 100	Per 1,000
American Beauty, 3-in.	\$5.00	\$45.00

BENCH PLANTS.

Pink Killarney, 1-year-old	\$4.00	\$35.00
Asparagus Plumosus, 1-year-old	4.00	35.00

GEORGE REINBERG,

162 N. Wabash Ave., Chicago.

19,000 ROSE PLANTS, Bride, Pink Killarney and Richmond. MAKE US AN OFFER on the whole lot or part and if it sounds good they are yours. They are all fine, healthy bench plants, but must be sold at once to make room for our new Rose Wilhelmiana. A bargain for some one. Grab it now. HOERBER BROS., Des Plaines, Ill.

Roses, bench Beauties, \$5 per 100; \$40 per 1,000. My Maryland, 2 1/4-in., \$4 per 100; \$35 per 1,000. Pink Killarney, White Killarney, 2 1/4-in., \$4 per 100; \$35 per 1,000. Mrs. Taft, 2 1/4-in., \$6 per 100; \$50 per 1,000. J. A. Budlong, 82-86 E. Randolph St., Chicago.

Roses, grafted, Mrs. Aaron Ward, \$12 per 100. White Killarney, \$12; Rhea Reid, \$12. Perles, own roots, \$3.50 per 100; 2 1/2-in. pots, \$30 per 1,000. Bassett & Washburn, 181 N. Wabash Ave., Chicago.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, Killarney and White Killarney, 2 1/4-in., \$5 per 100; \$45 per 1,000. Castle Grove Greenhouses, Dansville, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthas, Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

ROSES. Send for New Trade List just out. THE CONARD & JONES CO., West Grove, Pa.

Rosea. Eastern Nurseries, 1090 Centre St., Jamaica Plain, Mass.

Rose Radiance, 2 1/4-in., \$1 per doz.; \$6 per 100. The Good & Reese Co., Springfield, O.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 tr.	Tr.	Pkts.	Pkts.
Begonia Bedding Queen, finest pink	\$2.50	\$0.50		
" Gracillia luminosa, finest red	2.50	.60		
" Triumph, finest white	2.50	.50		

O. V. Zaageo, Hoboken, N. J.

Seed, Asparagus plumosus nanus, northern grown, per 100 seeds, 60c; 250 seeds, \$1.25; 1,000 seeds, \$3.50; 5,000 seeds, \$3.25 per 1,000. Vaughan's Seed Store, Chicago and New York.

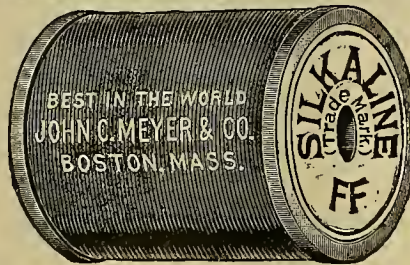
Seeds, beans, peas, sweet peas, corn, onions, turnip, radish, beet, etc. The Everett B. Clark Seed Co., Milford, Conn.

Seeds, larix, pinus, cinnamom, abies, melia, etc. T. Amcmly & Co., 220 Clement St., San Francisco, Calif.

Seeds, watermelon and muskmelon. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, sweet peas. Burnett Bros., 72 Cortlandt St., New York.

Seeds, specialties, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, N. J.



The Meyer Green Silkaline

The Best Thread on The Market for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.

SMLAX.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

UMARELLA PLANTS.

Umbrella plants, 12 inches diameter, 50c each; 18 inches diameter, \$1 each. City Nursery, Santa Barbara, Calif.

VEGETABLE PLANTS.

Vegetable plants, Early Jersey Wakefield, Faultless, All Head and Succession Cabbage plants, \$1 per 1,000. Selected plants ready to plant out, \$2 per 1,000. Tomato plants, New Stone, Earliana, Matchless, Truckers' Favorite, June Pink, Beauty and others, good stocky plants, \$2.50 per 1,000. Packing and safe arrival guaranteed. Danville Floral Co., Danville, Ill.

TOMATOES—Stone, Beauty, Champion, Ponderosa, strong transplanted plants, \$2.50 per 1,000. Ready May 1.

CELERY—White Plume, Golden Self-Blanching, strong transplanted, \$2.50 per 1,000. Ready May 1.

SWEET POTATOES—Early Yellow Jersey, \$1.00 per 1,000. No order accepted for less than 5,000 lots. Ready May 15. Cash with orders. Henry Greene, Ft. Hamilton Ave. and 2nd St., Brooklyn, N. Y.

Vegetable plants, sweet potato, tomato, cabbage, pepper, egg plants, lettuce, cauliflower. Warren Shinn, Woodbury, N. J.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. Sluisa Seed Store, 644 W. 63rd St., Chicago.

VERBENAS.

Verbenas, mammoth white purple, Defiance, Myfowler, 60c per 100, separate colors. Gignat, mixed with white eye, very fine, 75c per 100. Rohrer & Radke, Maywood, Ill.

VINCAS.

Vinca variegata, extra strong grown at edge of benches, 2 1/2-in., 3c; 3-in., 6c; 3 1/2-in., 8c; 4-in., 10c. Cash, please. Heini's Greenhouse, West Toledo, Ohio.

Vinca variegata, extra strong, 2 1/4-in., \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinca variegated, 4 and 5-in., 6, 8 to 10 long streamers, fine plants, 12c each. Cash. Gua. Schlegel, Olney, Ill.

Vincas, big, strong, 3-inch, \$5 per 100; \$45 per 1,000. C. Humfeld, Clay Center, Kans.

STOCK WANTED.

Stock Wanted—Hollyhocks, double in four separate colors. Grave myrtle (Vinca minor). Vaughan's Seed Store, 31-33 W. Randolph St., Chicago.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Richardson Greenhouse Boilers. Richardson & Boynton Co., 31 W. 31st St., New York. 68 E. Lake St., Chicago. 51 Portland St., Boston. 1107 Arch St., Philadelphia.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, 1 to 2-in. thick, random or specified widths, 10 to 16 feet. William-Kuny Mill and Lumber Co., Monnd City, Ill.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Steel and iron work. Scully Steel and Iron Co., Chicago and New York.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far, 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Canadian Unleached Hardwood Ashes, best fertilizer in use, \$11 per ton. Geo. Stevens, Peterborough, Ont.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Hot-Bed Sash, Too.



KING Greenhouses

LIGHT,
STRONG,
LASTING.

The Three Prime Qualities.

Iron Frame,
Semi-Iron Frame,
Private Conservatories.

All well designed and of the
BEST MATERIAL.

Don't fail to get that kind.

Write for Bulletins and
Question Blank.

King Construction Co.,

Head Office and Works:
NORTH TONAWANDA, N. Y.

Eastern Sales Office:
No. 1 Madison Ave., NEW YORK.

Mention the American Florist when writing

RALEIGH, N. C.—“We did the largest business at Easter we ever did in our life,” writes J. L. O’Quinn & Co., “and could not wait on the trade by a long way, and the rush has not stopped up to Friday (April 12).” The sales were fully 25 per cent greater than last year. There was an adequate supply of almost all varieties of plants and all the cut flowers we could handle, and the prices were about the same. Blooming plants of all kinds were the most in demand and carnations, violets and lilies were the cut flowers most in request.”

SEDALIA, Mo.—The weather was exceptionally good and the business increase was fully twenty-five per cent over that of last Easter, says the Archias Floral Co. The stock of both plants and flowers was in fine condition and the supply was adequate to fill the demand, but the prices were not quite so good as last year, the violets were a little short of the demand seeming to be for cheap plants. Bulbous stock in pans, lilies, pot roses and small azaleas sold well, but large azaleas were slow. All cut flowers sold well at fair prices.

OAKLAND, CALIF.—The trade at Easter was 25 per cent larger than last year, writes Clarke Bros. Prices were about the same and the supply of plants and flowers was fully equal to the demand. Pot lilies were the plants most in demand, and cut lilies, tulips and bulbous flowers the leaders in cut flowers, although all kinds sold fairly well. Callas from outside were in great abundance in California, many churches using them entirely on account of their cheapness. Other garden flowers take the place of the choicer products, and the florist does not get a fair chance at the people.



WHICH SHALL IT BE?

CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers’ profits), OR

KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers’ profits).

The extravagant ratings of **Cast Iron Boilers** are misleading, and during the past cold winter, have been the cause of much disappointment and serious trouble to many growers. The fuel waste is enormous when cast iron boilers are used for commercial purposes, such as greenhouse heating, etc.

Do you want true heating values for your money? Many florists, to their sorrow, have made the mistake in buying **Cast Iron Boilers**, which, because of their ratings, appeared to be cheaper than the **Kroeschell Boiler**.



Range of Adam Laub & Son, Hughsonville, N. Y. Their letter speaks for itself.

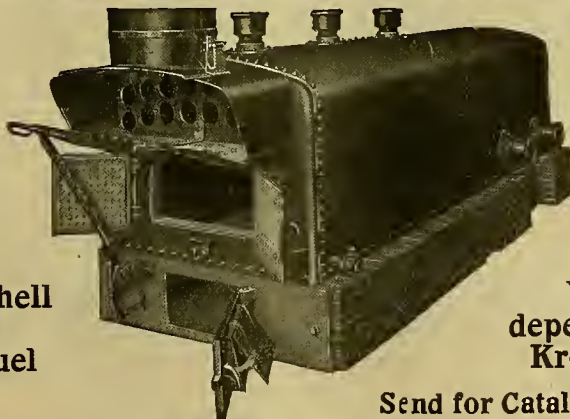
CAST IRON BOILERS WASTE FUEL.

We purchased of you this spring a **No. 6 Kroeschell Boiler**, which you guaranteed would take the place of **three cast iron boilers**. Well, the whole thing in a nutshell is this—your word is as good as gold. Night before last we had a severe storm of snow and sleet and a very high wind; we had not the least bit of trouble. We fired the last at 10 p. m. Nov. 24, and the next morning at 7 o’clock we looked at the houses and found it only 1 degree less than when we fired the last coal, 9 hours earlier. If this isn’t magnificent work and a good test, we would be pleased to hear from anyone else that could furnish a better boiler.

We know if parties wishing a boiler would get one from you they never would try any other. We think in five years’ running of this boiler we will have the price saved in the difference in our coal bill. Wishing you the best of success, we remain, Very truly yours,

ADAM LAUB & SON, Hughsonville, N. Y.

THE KROESCHELL BOILER HAS THE HIGHEST STANDARDS OF HEATING VALUES.



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IRON

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**Kroeschell
Boilers
Save Fuel**

**You Can
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Immense Self-Cleaning Heating Surface, Longest Fire Travel, Perfect Combustion Free Circulation, Thin Water Ways, Safety, Durability, Economy, Kroeschell Boiler Ratings Guaranteed

The Kroeschell Boiler will develop more heat per pound of coal consumed than any other boiler on the market and we DO prove it. Read what our customers say about our boilers and be convinced. What we can do for them we can do for you. Take our advice on Boilers and you will make no mistake

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Terse Talk No. 8.

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CHICAGO, ILL., March 12, 1912.



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You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons); per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

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Use our COLOR CHART in describing them.

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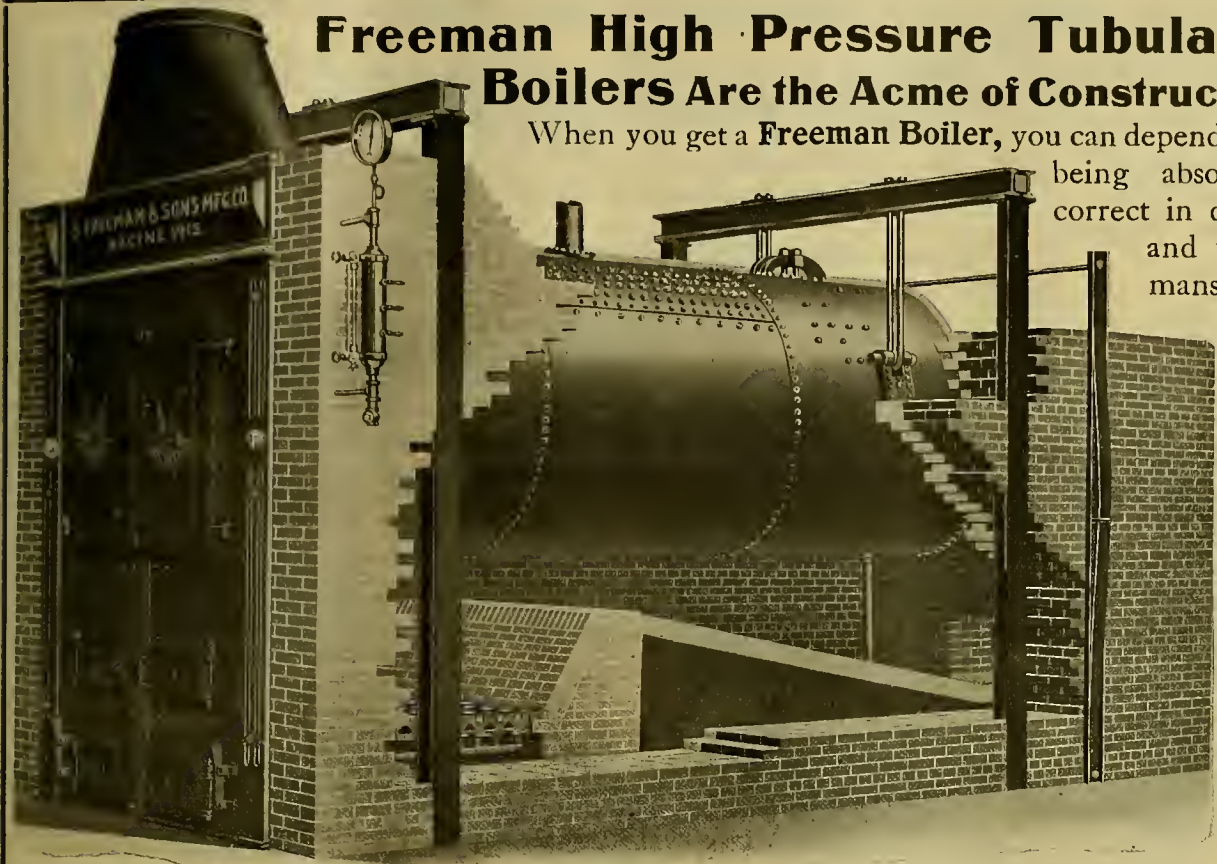
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Boilers OF HIGH GARDE.. For GREENHOUSES

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Furnishes the Most Nicotine for the Money!

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24 sheets.....\$ 0.75	Pint.....\$ 1.50
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Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

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The Insecticide that kills plant Lice of every species.

The insecticide that makes good. Will destroy green, black, white fly, red spider, thrips, mealy bug, brown and white scale, and all soft bodied insects. It is an oil and nicotine composition, used as a spray. \$2.50 per gallon—\$1.00 per quart.

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Manufactured by
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Green Flies and Black ones too

are easy to kill with
The Fumigating Kind Tobacco Powder
\$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
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Satisfaction guaranteed or money back

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Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequaled for all field use. Write for circulars and prices.

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Richardson Greenhouse Boilers

HOT WATER AND STEAM

Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities



Guaranteed Ratings

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Ease of Management

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51 Portland St., BOSTON.

1107 Arch St., PHILADELPHIA.



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

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A. HERRMANN,

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All Sizes LOWEST PRICES
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Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides.
Write for descriptive circular and delivered prices. Any size benches.
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1000 Letter Heads.....
1000 Envelopes..... **\$3.50**

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Gets There**



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—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

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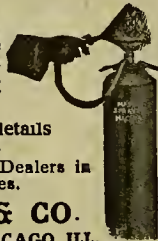
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The Mastin Automatic White-wash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

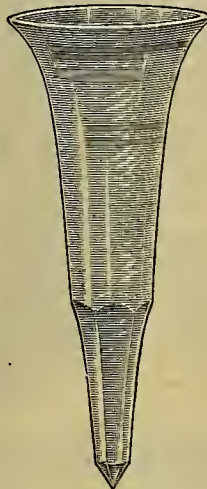


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Clara Cemetery Vase

MADE OF SOLID MOULDED GLASS

12 inches high, with wide flaring mouth.
Can be supplied in green or white.
Doz., \$2 50; barrel of 3 doz., \$6.00,
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The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is using a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

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Phone 2496 Monroe

SUPERIOR QUALITY SINGLE AND DOUBLE PROMPT DELIVERY

Greenhouse Glass

Be Sure To Write Us For Prices Before Placing Your Order.

BAUR WINDOW GLASS CO. Eaton, Ind.

S. Jacobs & Sons
ESTABLISHED 1871

PLANS & ESTIMATE
UPON REQUEST

EVERYTHING FOR THE COMPLETE ERECTION - HEATING & VENTILATION OF MODERN GREENHOUSES

NOT DECORATIVE CONSTRUCTION OPTIONAL

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Brooklyn, New York

Mention the American Florist when writing

Vaughan's Raffia

FOR

Florists' Use

We are Positively Headquarters for Two Best Grades.

Bales or Ten Bales.
Write Today for Prices.

Vaughan's Seed Store,
NEW YORK. CHICAGO.

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Greenhouse Materials
Louisiana Cypress
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Hotbed Sash
Have You Seen Our Best?
Once Tried--Always Used

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ARE after all what you are looking for. There is little satisfaction in the fact that you are trying out some new schemes when the returns in hard cash do not justify the outlay. **OUR HOUSES ARE PAYING HOUSES.** Besides they are modern, convenient and lasting. The owners of the above range, which was built as per our plans and with our material, increased their glass area within a few years to five times the original size, and there are others just like them.

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 IS FAR MORE DURABLE THAN PINE.
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SASH BARS
 UP TO 32 FEET OR LONGER.
GREENHOUSE
 AND OTHER BUILDING MATERIAL,
 MEN FURNISHED TO SUPERINTEND
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in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. **Pecky Cypress**, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
 Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts.,
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PECKY CYPRESS

1 inch and 2 inches thick.

Random or Specified Widths

10 to 16 feet long.

Write Us For Prices.

Williamson-Kuny Mill & Lumber Company,
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SIEBERT'S ZINC
 Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to
 Chas. T. Siebert. Baum & Beatty Sts., Pittsburg.

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

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 Philadelphia.

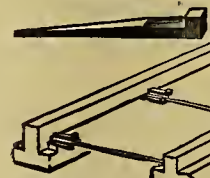
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Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive $\frac{3}{8}$ and $\frac{1}{2}$ inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

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Budding Knife Free. See 3rd Special Cover.



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This Beautiful Lawn Vase Only \$4.90.

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1 1/2 gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price \$4.90
 4C12005, with arms, price..... \$5.65
 Special price made to dealers for quantity lots.

We Are the Bargain Center of the World. We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

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Our Heating Dept. makes a specialty of complete Greenhouse Heating Systems. Send for our Special Heating Catalog No 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO. CHICAGO, ILL.

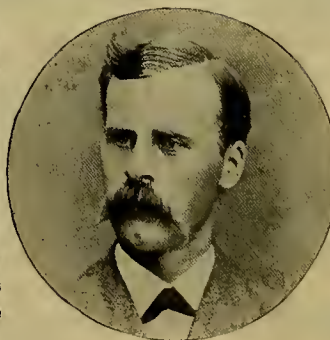
BRIDGEPORT, CONN.—The sales at Easter were about ten per cent larger than last year is the report of John Reck & Son. There was a plentiful supply of everything and the prices were cheaper than ever. Hyacinths, lilies, roses and tulips were the pot plants most in demand and large azaleas sold the poorest. Roses, orchids, sweet peas and violets were the cut flowers requested and carnations the last to sell. The florists' trade was greatly cut into by the department stores, grocery stores, markets and the 5-cent and 10-cent stores who had a large stock of blooming plants which were supplied by local growers having no stores.

NASHUA, N. H.—The increase in the Easter trade this year over that of last year was about 10 per cent, reports Aug. Gaedeke & Co., and the weather conditions were very good, making delivery easy. There was a plentiful stock of plants and cut flowers and the prices were about the same. Everything in the plant line sold well and daffodils were the flower most in demand.



"My L. & B. House Is as Stiff as a Stone Wall."

"I have been growing vegetables under glass for twenty-one years. This 258-foot Lord & Burnham Iron Frame House is positively the most satisfactory of any in my experience. Broken glass I never have, as the house is as stiff as a stone wall. The eaves shed the ice and



snow at once. It's weather-proof.

"I recommended the L. & B. Iron Frame house to other growers around Fitchburg, two of whom have since built the same kind of house. This should be convincing proof that I think the house is good."

William Proctor

Fitchburg, Mass.

Lord & Burnham Company.

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 St. James Building
 Boston
 Tremont Building

Philadelphia
 Franklin Bank Building
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 Rookery Building

FACTORIES:

Irvington, N. Y.
 Des Plaines, Ill.

Budding Knife Free. See Third Special Cover.

THE AMERICAN FLORIST



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

Vol. XXXVIII.

CHICAGO AND NEW YORK, MAY 25, 1912.

No. 1251

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volume half yearly from August, 1901.

Address all correspondence subscriptions, etc., American Florist Co., 440 S. Dearborn St., Chicago.

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NATIONAL SWEET PEA SOCIETY.

Annual convention and exhibition at Boston, Mass., July 13-14, 1912. WILLIAM SIM, Cliffondale, Mass., President; HARRY A. BUNYARD, W. Fourteenth street, New York., Secretary.

"Let's Go Fishin'."

I'm hungerin' to get away
Off yonder where the pickler play,
Off yonder where the skies are blue
And every breeze that blows is true,
Where there's no ceaseless fight for gold
And things aren't being bought and sold.
I'm hungerin' to get away
An' steep my soul in joys of May.

I'm growin' weary of the game,
The strife for wealth and power and fame.
I want to stretch my soul a bit
An' give earth's joys a chance at it.
I want to live a day or two
Where there is nothing much to do
Save stretchin' out upon the sod
An' gloryin' in the works of God.

I'm hungerin' to get away
Off yonder where the pickler play.
I want to rest beside a stream
An' gaze up to the sky an' dream
An' quite forget that there's a town
Where engines hum an' chimneys frown.
I'm tired of hearin' people say
That "time is money" every day.

I want to let the hours slip by
Without a thought that maybe I
Am losin' opportunities

Some day to live a life of ease.
I want to quite forget the need
Of dollars an' life's fearful speed.
Rich men may say that I'm unwise,
But, then, my soul wants exercise.

—Detroit Free Press.

SUGGESTIONS FOR PLANT GROWERS.

Peonies.

The peony is one of the most important flowers to the florist during the early part of June, and they are used in large quantities for decorations and other floral work. In cutting peonies for market especially those that are to be shipped it is best to cut them when the first petals unfold, and allow them to open in water, they ship much better in this condition and also last much longer. Where they are allowed to remain on the plant until open the flowers not only bruise more or less in transportation, but the petals drop more easily when the flowers are unpacked if they are open when cut and made ready for shipment. In cutting the flowers from the plant, many growers make the mistake of cutting too low. The demand of the customers is of course for long stems, but for the good of the plant there should be left two well formed leaves upon the stem when the flower is cut off. This will allow enough foliage for the plant to continue its growth and thoroughly ripen off. Where the plant is cut back too severely the root action is injured and a diminished number of flowers will be the result in the succeeding year. Keep the plants tied up by stakes and strings outside of the row; a heavy rain when the plants are heavy with buds will often knock them down and ruin many of the flowers.

Ficus Elastica.

While the rubber plants do not enjoy the popularity that they did ten or more years ago, yet there is always more or less demand for good small plants every fall and cuttings rooted now and given good culture can be grown to fine stock at that time. Every plantsman will have plants of Ficus elastica that have outgrown the saleable size or have lost many of the lower leaves and the tops of these can be propagated during the warm weather. The best way to root the young plants is on the plant by mousing the cut. Make an incision in the stem about half way through, in which insert a small stick about the size of a match stick to keep the cut open. Bind around the cut wet moss which should

be firmly tied on with raffia and kept wet constantly. The plant should then be placed in a warm, moist house, kept fairly close, and in two to four weeks the roots will be seen protruding from the moss. The top should then be cut off and potted in a 4-inch or 5-inch pot and grown in a warm, close house until the roots have become established in the soil. If a number of these plants are being grown, a mild hotbed can be made up outside, built up with boards so as to allow 18 inches of room between the soil and glass, and covered with a shaded sash. Plunge the pots in the soil and if the frame is kept close, allowing air only on the warmest days, the plants will grow rapidly. As fall approaches more air can be admitted and the plants gradually hardened off and splendid stock will be the result.

Rambler Roses.

The plants of the different varieties of rambler roses that were forced for Easter and late winter flowering will have passed out of bloom and should be grown on for another year's flowering, and will make larger plants than those of this year. These plants immediately after blooming commence the growth of the wood that will bear flowers another year, and as the soil in the pots has become pretty well exhausted they will require potting at once. Uncoil the canes of those plants that were twisted into forms and tie them to a strong stake, for with the new growths that will be made it will be almost impossible to keep them to the shape. New canes will spring from the base of the plant which will make fine blooming wood and these should be given room to grow and mature. With the plants that were grown in standard form, such as umbrellas or parasols, it will be necessary to cut these young canes out if that form is to be retained another year, and induce new growth at the top. Re-pot the plants in a good rose soil, that is, a compost of three-quarters fibrous loam and one-quarter old cow manure. Many of the plants will not require a larger pot, for much of the old soil can be shaken off, if carefully done, and the

plant re-potted in the same pot in the new soil. Pot firmly ramming the soil down hard with a blunt stick. Keep the plants in the shade for a few days until the roots have obtained a hold in the new soil. Then they should be placed outside, the pots plunged in the ground to the rim, and in a place where they can be supplied with water throughout the summer.

Ardisias.

One of the most popular berried plants for Christmas is the ardisia, but it is not grown as generally as it should be, the production being left to a few plants growers, for it is of very easy culture, the only drawback being that it is of very slow growth. The seeds on the old plants are now thoroughly ripened and should be sown at this time, they germinate slowly and should be sown about an inch apart, in rows the same distance apart, and they can then be left in the seed box until early summer, and potted in 2½-inch or 3-inch pots, and grown in a warm, lightly shaded location. They should be potted in good fibrous loam and kept in a moist, close house that all the growth possible may be obtained at this time, for the plant naturally checks in winter. In early spring these young plants will flower and produce a crop of berries for the next winter. The plants that have been grown for three years or more have generally passed the ornamental stage for they lose their leaves and have a "leggy" appearance. When they reach this stage the tops can be rooted and a fine plant obtained. This can be best done at this time of the year by cutting in to the stem and wrapping the cut with wet moss firmly tied around. Keep the plants in a warm, close atmosphere and the moss continually damp, and in four or five weeks new roots will grow in the moss when the top can be cut off and potted, still keeping the plant in the same temperature until new growth starts. This operation will not interfere in any way with the plant blooming for they frequently set an abundance of buds while the top is making new roots. The brown scale is the greatest enemy of ardisias even in the young stage and they must be removed at once when found for they sap the strength of the plant. The older plants should be frequently sponged with strong nicotine solution.

Foliage for Design Work.

During the hot summer weather, it is often difficult to obtain what might be called select flowers for funeral work, but orders will be received for some very nice work and the dealer is at his wits' end to supply or obtain the necessary materials. The retailer having a greenhouse can readily have a good assortment of high colored foliage plants that make most beautiful designs for just such an occasion. The crotons are particularly adapted for this purpose, and a few plants kept growing in the house, especially the varieties bearing large and highly colored leaves, will give a supply which can be had at any time. The Rex begonias are also very useful for making designs and the silver leaved ones make beautiful work with other foliage. Begonia metallica and B. argentea guttata are also good plants to grow for design work, and there are a number of other plants of variegated foliage that can be used for this purpose. All of this foliage is quite soft

during the summer and unless properly prepared, wilts quickly. The leaves and branches should be cut the day before and allowed to stand in a tub of water over night and they will then absorb enough water to stand up for a long while.

Lawn and Porch Vases.

Vases filled with plants placed in prominent locations on the lawn or porch can be made very decorative features for the cottage or on the large estate if of appropriate size and design for the surroundings and given the necessary care through the summer. These vases can be obtained in different materials for they are made of iron, cement, terra cotta and wood. In selecting the vase it should be



A Beautiful Lawn Vase.

borne in mind that often after being filled with plants it is placed in a position where the sun shines upon it the whole day long and it is unprotected from winds, consequently the evaporation of moisture is exceedingly large. It is therefore necessary that there should be a good body of soil, and where the vase is so exposed to sun and wind there should be at least a depth of soil of 10 or 12 inches and the vase should not be less than 16 inches in diameter. The iron vases last a long time and will stand a lot of abuse in the hands of careless labor, but when placed in the blazing sun they heat very quickly in warm weather and are much better for more shady locations, and many of these are far too shallow for practical use. The cement and terra cotta vases are now made very decorative and ornamental, and some of the imported terra

cotta ware is very expensive. These do not heat through as quickly as the iron for they are of much greater thickness and the material is not so good a conductor of heat. The vases of wood are really the most practical for plant culture for the moisture is more easily retained and the soil much cooler, but they rot very quickly and must be renewed. The wooden vases covered with rustic material are very decorative and where the constant expense of renewal can be afforded are very satisfactory.

The planting of vases requires an entirely different treatment than the plant boxes for windows or porches, for these are generally planted with the low and blooming plants in front and higher plants at the back, while the vase must present a front from any view point. The soil with which the vase is filled should be of the best compost with a liberal addition of rotted manure, and a sprinkling of ground bone, and the drainage in the bottom of the vase should be ample to insure sweetness of the soil. Select plants that will grow in the place where the vase is to stand, whether in sun or shade. Avoid overcrowding, much of the effectiveness of these ornamental and decorative features of a residence is lost by planting a mixture of small plants so closely together that they can never grow so as to make a creditable appearance. A center plant of good height is the first necessity when planted to assorted arrangements. *Dracaena indivisa* is the most popular plant for this purpose, for it will stand the hottest sun and will grow equally as well in shady locations, and is always graceful. The dwarf blooming cannas are often used for this purpose and are very satisfactory and *Grevillia robusta*, or silk oak, makes a good center plant. Around this may be arranged the flowering plants that will be the most appropriate or please the fancy of the customer, geraniums are probably the most popular and satisfactory in light and sunny positions. Many foliage plants make fine vases, such as the brilliant colored coleus or crotons. The vines or dropping plants should not be as large as those that are used in the window boxes for the close and solid effect desired in the latter does not look so well in the vases for it entirely hides the vase, while this is not as a rule the wish of the owner. The vincas are more often used but many of the slower growing vines are satisfactory. English ivy, lobelias, *Solanum jasminoides*, money vine and ivy geraniums are all good for the sides of these vases. Where the vases are permanent fixtures, such as on stumps of old trees, the *Ampelopsis quinquefolia*, known so well as woodbine or Virginia creeper, can be planted and this will cover the stump and grow over the lower part of the box. The vase which we illustrate is such an arrangement, with a flowering canna, a *Caladium esculentum*, a dwarf pompon dahlia, and highly colored coleus to complete a successful lawn ornament.

Specimen blooming plants are very effective in the lawn and porch vases and where this can be afforded gives the opportunity of making a change during the season. The pot plants of rambler roses can be used in June and these followed by hydrangeas which make a beautiful showing on a lawn or porch. It is much better that these remain in the pots and the space between the vase and pot filled with soil which will greatly aid in conserving



BRIDE'S BOUQUET OF LILY OF THE VALLEY AND CATTLEYS.
Arranged by Z. D. Blackstone, Washington, D. C.

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the moisture. There is one great necessity in the keeping of the vases in good condition and that is constant attention, and this should be impressed upon the mind of those who have the care of them. They must be watered frequently; it is not possible to water heavily and then leave them for two or three days; they must be watered every bright day and in hot weather when dry winds are blowing should be looked over in the middle of the day and if dry watered. A nice vase with a good selection of plants and proper care will make a beautiful ornament on any porch or lawn.

Romance of Rubber.

About this time thirty-six years ago the daring scheme of smuggling a large cargo of Para rubber seeds from Brazil was carried to a successful conclusion. The seeds were intended for the propagation of the rubber tree in the Malay states and other British possessions, and the results have more than realized the dream of the originator of the plan. Credit for the conception and execution of the plan is ascribed to one H. W. Wickham, an Englishman, who had spent many years along the reaches of the Upper Amazon, where only in all the world, until a generation ago, the rubber tree was to be found.

Wickham came to the conclusion that the tree could be cultivated and grown in other countries, and determined to make the attempt. Now Brazil had enjoyed a monopoly of the production of Para rubber for more than two hundred years, and, wishing to continue the monopoly, had enacted stringent laws against the exportation of the rubber tree or its seed.

Wickham is said to have enlisted the interest and aid of Sir Joseph Hooker, director of the Royal Botanical Gardens at Kew, England. At any rate, one morning the Zapatay Indians on the banks of the Upper Amazon saw looming through the mist a large steamer, the largest they had ever seen, slowly making her way up the river to Manoa. There a cargo of miscellaneous supplies was discharged, after which the steamer dropped down stream to an obscure point for the return cargo. Unknown, of course, to the authorities this cargo proved to be fresh seed of the famous rubber tree, nearly 100,000 of them, which the energetic Wickham had secretly collected with the aid of the simple Indians.

At Para, the Brazilian port of entry, the authorities were bribed or hoodwinked into believing that the cargo consisted of "rare botanical specimens for Her Majesty's Botanical Garden at Kew." And so Brazil lost one of her richest natural heritages. For right next door to Brazil, in British Guinea and in the Malay states, the rubber tree is being successfully cultivated from the seed surreptitiously taken from the Amazon country some thirty years ago.

In its wild state the rubber tree grows not more than two or three to the acre, but under cultivation it is found that an acre will provide for a hundred or more. This fact and scientific methods of tapping have greatly reduced the price of rubber in the great markets of the world. In fact, it is a question whether the immense increase in the use of rubber in manufacture and commerce would have been possible if it had not been for Wickham and his mysterious steamer on the Upper Amazon a generation ago.

It is said that rubber adds approximately a billion dollars yearly to the manufactured wealth of the world.

R. F. POTTER.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Memorial Day Suggestions.

It may be that the custom of carrying flowers to the cemeteries is considered a mark of temporary distinction and practiced only when to commemorate an event, but when Memorial day comes round it is then that the florists look to securing more business through some novelties along different lines—something that will make the day more profitable. The following suggestions may be found of practical interest and value:

The garland cross is easily made and effective when arranged with red tulips and their foliage; this can be fastened to the grave with a red ribbon of the same shade by means of a stout wire made into prongs. A large palm leaf with a fine bunch of yellow tulips is excellent, especially if the tulips are of the variegated variety, and tied with a wide ribbon to match. A family lot can be artistically arranged by placing a large full garland of white and purple lilac around the monument and tied with ribbons of white and purple to match the flowers. For each individual grave arrange a wreath of lavender pansies—being so significant in meaning "thought." Or, if each grave has a headstone, place around it a garland of pansies to harmonize with the decoration of the monument, that is, purple and white pansies can be used.

A wreath made in the shape of a heart is good and can be beautifully arranged with the wild violets and

white pansies. The double heart or one linked to the other is pretty of lavender sweet peas with a touch of pink, or made of red carnations or red roses. The small heart wreath made of forget-me-nots for a child's grave is good.

A sword made of red carnations is appropriate for a soldier's grave or for an emblematic suggestion for a monument, where several rest. A pilgrim's staff made of American Beauty roses tied with a wide sash ribbon is excellent for the basic effect of a soldier's monument. Two of these staffs can be used to advantage by crossing them in the center, from which extend garlands of roses in white; also placing a bunch of the same roses on each grave. This can be surmounted by a small cross of lily of the valley.

Two keys are also appropriate, and when made of red carnations or yellow pansies are well suited for the day, using boxwood as a background for the keys. One key made of lily of the valley and the other of yellow rose buds and tied together with the two shades of ribbon will make a very pretty offering, suggesting as it were, "to open the gates of heaven."

In place of the regulation wreath, why not use the perfect square, making it of white and pink sweet peas, stretching a pink ribbon across the center tied with a rosette effect. This can be made very inexpensively of snowballs, using white gauze ribbon, and can be made very showy and attractive. A loving cup, made of violets and filled with lily of the valley with a bunch of forget-me-nots in the cen-



BRIDAL BOUQUETS ARRANGED BY CANGER & GORMLEY, CHICAGO.

Bride's Bouquet, Lily of the Valley; Maid of Honor, Swainsona; Bridesmaid's, Mrs. Taft Roses and Forget-me-nots, Colonial Style.

ter is also appropriate. The shield with the cross is showy where a set piece is desired. This can be made of pink roses and white sweet peas, combined with maidenhair, and will look well. The broken wheel and the wheel with spokes made of red and white roses is very attractive.

A chain of links, each link made of a different flower and stretched from grave to grave is good. The Greek cross is used a good deal. Made of scarlet geraniums is effective and inexpensive. This can be combined with ivy leaves. A simple ring made of red peonies or lilacs or tulips or any of the spring flowers can be thrown over the corner of a headstone and is showy. An oval wreath made of pink roses and mignonette and maidenhair lends a pretty setting for a Memorial memento.

When two family names appear on the monument a monogram made of flowers and suspended from the center of the monument with garlands is effective. The monograms can be of violets and the garland of sweet peas and foliage. A wreath made of lily of the valley with a shamrock design in the center, the shamrock being made of tiny ivy leaves, is excellent. This shamrock may be made of pansies in the different shades of dark purple and wreath of violets. Care should be used in making the wreath part so that the shamrock or clover leaf in the center does not lose its shape. This combination with lily of the valley and forget-me-nots is good. A crown of flowers can always be effectively arranged and is appropriate on Memorial day. For an inscription on a memorial design this sentence suggests itself: "Peace I leave with you;" or "To the gates of heaven." Let us re-adorn the day in commemoration.

A. E. KLUNDER.

Final Preparations for Memorial Day.

The work of planting vases is a very important and in a great many cases a very unsatisfactory part of the work for Memorial day. If the vase is large enough and its location favorable for the plants to grow then it is a pleasure to do the work, but when we are called upon to plant a vase that is more ornamental than useful so far as any plant growing well in it is concerned, and again perhaps it is to be stationed under heavy, shady trees and the customer expects a fine array of bloom. These are problems that confront us many times and must be worked out to the best advantage of all concerned. We can advise the customer that the location of the vase is not favorable for the growing and blooming of geraniums and flowering plants, and recommend the planting of ferns and foliage plants such as dracaenas, ficus and palms with English ivy for the hanging vines, a very fine effect can be worked out with this material, and if properly done will be most satisfactory. Of course it will be necessary to charge more for vases planted in this manner than for those planted to the cheaper plants such as geraniums, vincas etc. To satisfy the customer with a fine display for Memorial day, it is necessary to put in more plants than our judgment knows is really best for the well being of the growth of the plants later on, but by filling in a few extra showy ivy geraniums in bloom and a few *Nierembergia gracilis*, a fine immediate effect



BRIDESMAID'S BOUQUET, BY CANGER & GORMLEY, CHICAGO.

Mrs. Taft Roses and Forget-me-nots, Colonial Style.

can be had, and then as the plants get established any that are crowding can be thinned out a little. The general run of vases will call for well grown geraniums with good trusses of bloom, flowering ivy geraniums, *Nierembergia gracilis*, *Lobelia gracilis* with plenty of well foliaged vincas. *Solanum jasminoides* and English and German ivy.

The most important things in filling vases is to provide for good drainage, and use a good live soil for the plants to grow in. If there is not a free drainage to allow the water to pass away freely, it is impossible for the plants to do well. One great trouble is that the smaller vases are so shallow that very little-crock can be used as drainage, to overcome this with the reservoir vases a cheap sponge can be inserted in the funnel at the bottom of the vase and a small portion of broken pot or rubble placed over it. The soil should be live enough to promote good plant growth but not rich enough to encourage a heavy growth at the expense of bloom. When large numbers of vases have to be filled it is a considerable task and to transport plants

around the grounds to where they are situated means a lot of work. The best way is to set apart a greenhouse and carry the vases there, or in cases where it can be done, parts of the vase and plant them inside, they can then remain there for a few days to get started before being set out again, but do not allow them to remain in a shed or shady greenhouse to become drawn and the foliage of the plants turn yellow.

There are so many other items of preparation for this occasion, that it is bewildering to advise which is the most important, but it is necessary to be up to the minute with everything. In a few days the planting out will be in full swing, and in addition to this the number of customers will multiply ten times as the days go by. The waiting on these should be arranged in the most expedient manner possible, have plenty of baskets for the customers to carry away their plants in cases where they can, and in other cases have a number of strong boys to do the carrying. Do not let it fall to the lot of the clerks or gardeners, their time is much too valuable at this season. Another

important point is to keep the stock looking well. Do not allow the place to be littered up with empty pots or rubbish, the work will go much faster when there is a clean, clear road for everything, and above all do not allow the stock to suffer for water even though it is in the heat and rush of bustle, plants that are neglected in this

WITH THE GROWERS

F. Stielow, Niles Center, Ill.

When one alights from the train on the Chicago & Northwestern Railway and stands on the station platform of Niles Center, Ill., 13 miles from Chi-

modern range of glass consisting of five houses 34 feet wide and 304 feet long containing an area of more than 50,000 square feet. The houses are Garland's truss iron frame with the celebrated Garland gutter built in ridge and furrow. The gutters are high, set on posts in cast iron foot pieces, the posts being non-corrosible. This construction gives a large, light house, there being no posts except under the gutter, and with the narrow gutters which the construction allows, there is no shade and the maximum amount of light obtained. The ventilation is accomplished with two continuous rows of ventilator sash, one on each side of the ridge operated by the Evans improved Challenge ventilating apparatus, manufactured by the Quaker City Machine Works, Richmond, Ind. This gives plenty of fresh air and the houses are so high that there are no draughts which grants ideal conditions for the best culture. A broad walk extends through the center of the range entering the service building, which makes the working of the force very convenient and time saving.

The houses are devoted to roses entirely, and the larger proportion of plants are Killarney and White Killarney, there being 12,000 each of these two varieties, 4,000 Richmond and 2,000 My Maryland. There are five benches in each house built high enough to work easily, which gives ample circulation of air and the proper fall for the heating pipes under the benches. The crop was in full growth and a large cut being made with a good promise for the balance of the season.

The boiler house and service building are of Garland iron truss and concrete construction, and situated on the north side in the middle of the range, with cement floors and plenty of table room to sort, count and pack the cut rapidly as soon as brought from the houses. A large boiler room is provided and a No. 17 Kroeschell boiler installed and piped with the Kroeschell thread tube piping, there being four miles of pipe in the five houses which give ample heat in the severest weath-



BOILER ROOM AT F. STIELOW'S, NILES CENTER, ILL.
F. Lautenschlager and F. Stielow, Jr., Standing by the Boiler.

respect at this season of bright sunlight and strong winds, very quickly show it. The stock that is growing in frames, such as pansies, should be put up in baskets of a dozen, or more if necessary, and taken to a place handy to reach for the customers, a lot of time is saved in this manner over the way of running to the frames for each dozen plants. As Memorial Day approaches, a good supply of galax and boxwood wreaths should be arranged for a large number of people like to place a fresh wreath on the graves at this time, and a good supply ought to be on hand. Also abundance of cut flowers, peonies, carnations and roses, of course have the first call, but there is a big demand for bunches of cheap flowers which should also be catered to and preparations made.

C. W. JOHNSON.

A Good Forcing Shrub.

It is difficult to imagine a more beautiful sight than a well-flowered bush of *Prunus triloba flore pleno*, for the delicate rose-colored flowers are one inch across and borne with great freedom from most of the buds on the previous year's growth. In the south of England it may be grown as a bush in the open ground; further north it thrives more satisfactorily against a wall with a south or west aspect. Of late years it has become very popular for forcing for greenhouse decoration, states The Garden. For whichever use it is grown it is necessary to observe one item; that is, in order to obtain the best flowering shoots, it is necessary to prune the annual branches hard back to within an eye or two of the base as soon as the flowers have fallen, for it is only by this means that really good shoots can be expected.

cago, he is in the center of a vast greenhouse district, for no matter which way he turns the roofs of greenhouses and the tall chimneys of the headhouses meet his gaze. This is not only the home of many florists, but on every hand are also market gardeners and acres upon acres devoted to truck gardens, and each of these has its range of houses. A short distance from the station, beside the railroad track, F. Stielow last year erected a



VIEW THROUGH THE HOUSES OF F. STIELOW, NILES CENTER, ILL.
Cross Walk Through Middle of Range.



EXTERIOR VIEW OF F. STIELOW'S RANGE AT NILES CENTER, ILL.

er. The circulation is assisted by the Kroeschell circulators, which force the hot water around very rapidly, making it extremely easy to obtain the required temperatures. Next to the boiler room is a large coal bunker in which can be stored a winter's supply, which opens right on the railway tracks. The water is supplied from an artesian well, being pumped with a gasoline engine.

Mr. Stielow came to Chicago and settled at Niles Center in 1874, having learned the business in Boston, Mass., and is therefore one of the oldest florists in this section. He erected a range of houses which he has rebuilt and remodelled three times and it now contains about 50,000 square feet in which are grown carnations, callas and mignonette. The new range in which the roses are grown is managed by F. Stielow, Jr., the son, and the appearance of the crop fully showed that he was able to superintend the range, for the stock was in fine condition and the whole plant as neat as it could be kept.

Nelson & Johnston, Framingham, Mass.

For a number of years Framingham has been celebrated for high grade carnations produced there and shipped into the Boston market, and the large number of prizes awarded the growers of that town, have made it a Mecca for carnation growers. The firm of Nelson & Johnston started seven years ago and they have added not a little to the well earned reputation of the town's products. They have a plant of 35,000 square feet of glass all of which is devoted to carnations with the exception of three small sash houses in which they grow violets, but these also are used for the young carnation stock in the spring. Two of the large houses are glazed with 16x24-inch glass, the glass being set the 24-inch way between sash bars, and the proprietors say that the breakage is less than when set the 16-inch way, and the gain in the amount of light is certainly a great factor. Two 75 h. p. boilers supply steam with which to heat the range.

Everything is well kept and the plants are very vigorous, all the leading varieties being grown. They have

built up a fine business on wholesale lines, the product being shipped to Boston where W. A. Hastings handles their whole output. The place always has a prosperous look, and it is a pleasure to see these two men, after hard and diligent work, reach a position where it will be much easier for them in the near future. Mr. Nelson has just finished a cozy dwelling for himself and wife, fitted with hot water heating and electric lights. Mr. Johnston we have personally known for the past twenty years. He, like many others, started when a greenhorn at the Waban Rose Conservatories at Natick, Mass. The partnership of the Swede and the Dane is just as close as it always has been, and they make a pair of level-headed, hard-working business men. MAC.

Carrying Over Cyclamens.

ED. AMERICAN FLORIST:—

We have some cyclamens left from last year's plants that are now in 3½-inch pots. What would be the best way to grow them so that they would be in bloom for Christmas? H. S.

Cyclamen plants in 3½-inch pots should be treated in the same manner as seedlings and grown right along. It is not often that cyclamen are carried through the winter in such small pots, for with seed sown at the proper time and the plants well grown they are large enough for 6-inch pots in early fall. If the plants are in a healthy condition they will make good stock for Christmas, but if they have become stunted or badly pot bound, it would be better to discard them and procure strong plants. Repot the plants in the same size pots, shaking off some of the old soil, in good fibrous loam with an addition of one-third leaf mold and a little sand and give plenty of drainage. Plunge the pots in a cold frame and cover with sash which is shaded moderately heavy. Raise the sash at both top and bottom to provide good ventilation. Water carefully until the new leaves begin to grow. W.

WEST TOLEDO, O.—Martin Lehman has leased a tract of land on Clarence avenue and will erect greenhouses thereon.

CHRYSANTHEMUMS

Planting the Early Varieties.

When it is the best time to plant is a question which often confronts us. It is very difficult to answer such a question intelligently without first considering the kinds to be planted, quality of blooms desired and conditions, both climatic and otherwise, which surround the undertaking. Those who desire the highest grade blooms must resort to early planting, or, in other words, it is more important that their plants are placed early in their flowering quarters than it is to those who desire only a medium grade. Those interested in exhibitions or those who require flowers in September as well as those wishing to produce the highest grade of commercial stock must lose no time, for May is the month this work should be done. We do not infer that very good quality may not be the result from June or early July planting, but those with early planted stock have the advantage, where all other conditions are equal.

When we take into consideration the effect climatic conditions have upon the results we realize how difficult it is to give dates that will insure success. Cool weather during August hastens bud development, a condition considered favorable, or at least preferable, to excessive heat. For the foregoing reasons those in the northern states can often secure the desired bud, whereas the southern grower can not on account of the high temperature and the great amount of water required to sustain the plants, which promotes growth rather than ripening of the wood and bud development.

In this latitude we would pursue the following course as to planting, and in a normal season expect bud to appear at the proper time: To cut Golden Glow and Smith's Advance early in September, plant May 1 to May 15; for crop the last of September to early October, the last of May would be preferable.

We have no pink variety which will come as early as the yellow and white mentioned above. The first large bright pink is Unaka, which, when correctly timed, will be in perfection the first week of October. This variety offers a very limited time for selecting buds,

which should be done the first week of August. Those selected earlier are too light in color and those at a later date give thin, open centered flowers. When properly handled this is the best early pink and should be planted from the last of April to the end of May. We planted ours this year April 24. To those who cannot plant soon, we would advise to select some other sort like Pacific Supreme, Gloria, etc., which will give better blooms even if not planted at the proper time (during May), but they will not be ready to cut much before October 20.

The next early variety of special merit and one which will be grown in large quantities in the next few years is Chrysolora. It is not early in the same sense as Golden Glow, but is of the dimensions of Col. D. Appleton, only a trifle lighter in color, fine incurved form, of exceptionally clean, sturdy growth and an easy propagator, maturing October 15 to 25. This we prefer to plant May 20 to June 1 and select bud as near August 20 as possible, either earlier or later buds will give good salable blooms, but this date is best, all things considered.

Comoleta, Early Snow, Glory of Pacific and its two sports, Crema and Polly Rose (sometimes catalogued Estelle), Ivory and its pink and yellow sports are all dwarf and should be planted during May if long stems are desired. Virginia Poehlmann and Donatello will be satisfactory from early June planting. October Frost and the yellow form should be benched in May so they will become strong and to insure a bud early in August, otherwise they are inclined to grow tall, and the late buds give thin and rather small flowers. Chas. Razer, white and yellow Tousey are more rampant in growth, so that the planting may be deferred until early June. Most of the midseason kinds are usually satisfactory if benched by June 20. These as well as the later ones will be considered in another chapter.

It is difficult to advise others what kinds to plant and really it is a problem for each grower to decide upon. He knows, or at least should be in a position to determine, which colors as well as quality are best suited to his pur-

pose, and if the earlies, midseason or late are most in demand. The brisk demand for pompons and pompon anemones last season in all the large cities through the middle west indicates they are gaining in popularity and should be considered. These can be planted in July with good results. They may also be planted outside and lifted the first week of August if space can not be provided in July.

ELMER D. SMITH.

Chrysanthemum William Turner.

In reading the interesting article on Elmer D. Smith & Co.'s establishment at Adrian, Mich., which appeared in THE AMERICAN FLORIST, issue of November 11, page 832, with descriptions of this season's novelties of chrysanthemums, I notice where it states William Turner is an immense white with firm foliage but a hard doer. Here in the east it is the reverse. A remarkably free grower, having seen it growing in several different establishments this season and in every instance of strong, robust growth. While the flower is extremely large the growth is according, and will support the flower without the slightest bend. I believe William Turner will prove one of the greatest achievements ever sent out as an exhibition incurved white or for general purposes, while Naomah is excellent and very valuable, particularly so through maturing ahead of the other; otherwise it cannot compare with the Well's-Pocket creation as a prize winner in competition. For instance, this fall at the American Institute chrysanthemum exhibition I put up six blooms of Naomah for incurved white. Beautiful though they were, they had to be placed second against a wonderful vase of William Turner. Also, the morning after the three days' exhibition this vase was apparently as fresh as when placed there on the first day, whereas all the others had gone down. I myself exhibited a vase at the Monmouth County Horticultural Society's exhibition for two days; the following week exhibited the same at Asbury Park for two days. They were again brought home, apparently as

fresh as the first day when they started out without a blemish or a damaged petal. These are absolute facts in regard to its wonderful keeping qualities which are worthy of note. I predict for 1912 William Turner will be decidedly the leader of its class, namely, incurved white.

WM. TURNER.

A Landscape in Miniature.

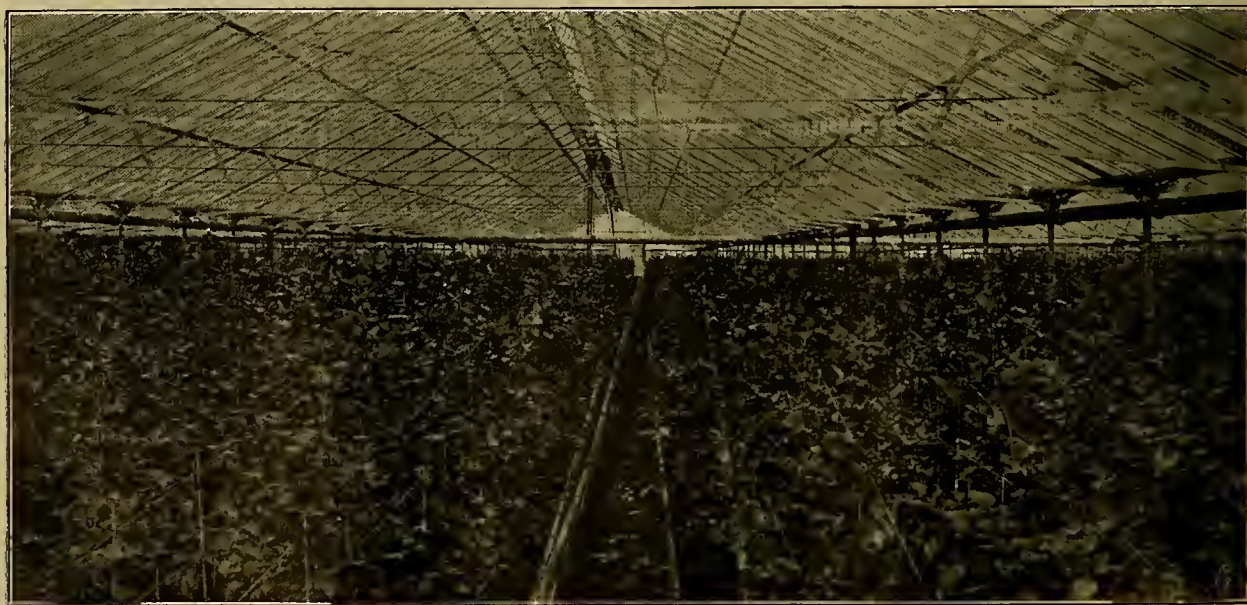
The Japanese landscape garden is purely a work of art, constructed after a definite scheme and plan, ordered by fixed conventions, every detail as much a matter of prearrangement as the strategy of a military campaign. Like the Japanese painting, it aims to express the spirit, the soul, the sentiment of a landscape; and while it is conventional and the product of arbitrary arrangement, it is yet nature—nature idealized, tamed, trained and brought to the perfect scale and harmony.

It is a great landscape in miniature, often the mere suggestion, the impression of some famous landscape of the empire, but never the abject copy of any one natural scene. Rather it is an idealization of some happy accident of nature or an improvement on it.—Century.

What to Plant Under Trees.

P. Hanschitz (in a note in Die Gartenwelt, March 2, 1912) on the subject of plants suitable for growing under trees, recommends the following:—Iris foetidissima, which is evergreen, grows to a height of about two feet, and bears blue to lilac flowers and bright scarlet seeds; Helleborus foetidus; H. lividus and H. viridis; species of geranium, such as G. phaeum (flowers dark velvety-red); G. pratense (with purple-red flowers); G. album; G. ibericum (flowers bright blue); G. malvaeflorum (with rose flowers and evergreen and agreeably-scented leaves); and the shrub Hypericum calycinum.

SPEONK, N. Y.—A large tract of land has been purchased and a company formed to erect greenhouses for the cultivation of flowers and vegetables.



KILLARNEY ROSES AT F. STIELOW'S, NILES CENTER, ILL.



CARNATION CALIFORNIA GIANT AS GROWN OUTSIDE IN CALIFORNIA.

A Variety Originated by Richard Diener, Mountain View, Calif.

THE CARNATION.

Carnation California Giant.

Carnation California Giant, which we illustrate, is a variety produced by Richard Diener, Mountain View, Calif., the result of crossing Prosperity and Enchantress. This variety is wonderfully strong and vigorous according to the originator, and very prolific, the plants yielding four or five times as many flowers when field grown as other varieties produce in the houses. The illustration clearly shows the habit, size and quantity of bloom produced as grown in California. A peculiarity of this variety is that in order that the flower may reach perfection it is necessary that the calyx, which is papaver shaped, be split in three or four places, which is done when the flower is about half open. The flowers when fully open are more than five and almost six inches in diameter. Mr. Diener has also developed some fine geraniums which excel existing varieties in size, form of truss and coloring.

Planting and Care of Young Stock.

The most important matter to the carnation grower at this season is to get the young stock planted out, and then to look after it faithfully until it is time to bring it in again, the latter operation usually beginning about the last week of July. This means a great deal of work, especially in the large establishments, where there may be several hundred thousands of plants to handle, for there is no satisfactory way to do it without handling each plant individually, and whether the plants have been grown in pots or planted out on benches in the houses,

each one must be taken up separately.

Of course one may plant a large number of plants in a day, provided that the soil is in good condition, being not too wet nor too lumpy, the ground having been well plowed, thoroughly harrowed and leveled. The system of planting will naturally depend upon the quantity to be grown and the ground space available for the purpose. Some growers prefer to space the rows wide enough to use a horse cultivator between them, simply leaving the spaces between the plants in the row to be hoed, while others plant in five-row beds, with a narrow walk between the beds, the plants being spaced 8x10 inches, or 10x10 inches, according to the space to be occupied. It is but a short season that the plants are out in the field, averaging but little more than three months, and during that period they do not fill the ground, even when planted close.

Much hand labor in the field may be saved by being careful to take out all weeds from around the plants before planting out, for weeds that are planted out with the plants have a good start, and mean much hand labor for their elimination. Another safe precaution is that of doing just as much topping as possible before the plants are put out, and careful spraying with insecticides during the spring months will do much towards keeping the young stock free from the various pests that are always waiting to devour it. In a dry season the insects have a much better chance to get ahead outdoors, and both red spiders and green fly will get in their work of crippling the growth of the young carnations, to say nothing of the thrips, these latter frequently giving much trouble during dry weather, and particularly when the carnation beds are bordered with

grass and weeds, certain grasses and weeds acting as host-plants for the thrips, and on which they increase and multiply amazingly.

The careful grower will also see to it that none of the young plants are dry at the time of planting, for such a condition hinders the plant from starting away into growth, and is particularly injurious in case the weather should turn dry, a chance that is always possible after having had such abundant rains as those of the present spring. Then there is that necessary cultivation that should be given frequently enough to keep the surface of the soil in an open condition, and at the same time to keep down the weeds, this cultivation being essentially a surface cultivation, and is only deep enough to give a shallow mulch of loose soil. Then there will be topping to be done from week to week, for every plant is not ready to be topped at the same time, and this means many steps in the field and much exercise for the backs of those engaged in the work. These are but routine details, but some of them may be forgotten in the press of work, and it is the object of these notes to remind some of the busy growers that the time has come for them to apply their knowledge.

The flowering stock that is still occupying the benches in the houses also demands attention every day and nearly all day, for with stronger sunshine the plants take up great quantities of water every day, and those in light soil will need watering almost every bright day, while others that occupy heavy soil may get along with a watering two or three times a week. Vigorous syringing will also be in order at short intervals, for red spiders crawl up towards the buds very rapidly, and when this occurs it does not take long

for the flowers to lose grade. Lots of air, sufficient water, early cutting of the blooms, that is, before they have a chance to suffer from the effects of the sun, and then to store the flowers away in a cool room—these are some of the things that one needs to remember at this season, and then having grown some good flowers, the latter need careful bunching and tying, and last but not least, they should be carefully packed for market, for the finding of several broken flowers in a bunch does not have a soothing effect upon the mind of the dealer. W. H. TAPLIN.

THE ROSE.

Spring Culture.

As the weather grows warmer day by day and consequently more air is allowed the plants, the moisture in the soil naturally evaporates rapidly, and if one is not rather watchful the plants will be found to show a leaning toward weak growths and loss of substance in the flowers. Of course this is due to the enormous amount of water the soil may have taken up or absorbed. It will be well to remember that for a whole season of forcing a few inches of soil (even with the mulchings applied regularly throughout the season), especially on the raised benches the soil must be considerably exhausted and one must do some extra feeding in order to keep the quality of the blooms at their best for the remainder of the season.

The raised benches should be mulched quite heavily, using fairly well-rotted-cow manure. Some growers often use a mixture of cow and horse manure, but we find at this season that horse manure contains too much ammonia to be used to good advantage, at the same time making a mulch of short feeding duration, whereas the cow manure will furnish nourishment to the plants for a much longer period, which can be made to do double duty by using liquid cow manure once per week full strength. It is quite important that the mulch should be gone over frequently and broken up so as to allow the air to reach the soil from time to time. It is a good plan to remove whatever is left of a previous mulch, that will come away easily without disturbing any of the roots.

Perhaps one desires to carry over some of the stock for the second year on the raised benches. This makes it all the more important to have the plants built up as strongly as possible through intelligent feeding. Some of the finest roses we have ever seen were the two year old plants carried over on raised benches. Some may hesitate to attempt this method, yet at times on a small place the grower is forced to do this in order to have the cuts last practically the whole year around. Better results can no doubt be obtained as a rule by transferring the plants from the raised benches to the solid beds, and giving them an entirely new soil to work in, yet by removing two-thirds of the soil carefully from the benches and refilling with a good compost, splendid results can be obtained by a careful grower. It may be a little early to talk of the carrying over methods, etc., at the same time, one must decide ahead of time and make preparations accordingly.

Do not put off buying young stock until the last minute; take a careful

inventory of the stock on hand; do the figuring now, figure accurately; and order at once so as to get the stock potted off and going ahead in the soil they are to be grown in during the rest of the season. Keep the young stock you have on hand clean, free of weeds, and allow them the necessary room, and it may be necessary to give them a second watering every day where they are found to be a little too dry, each morning. There is nothing quite so injurious as to let the roots of the young stock get too dry, especially new root stock. Plants in pots readily become infested with eelworms under conditions stated above.

Do not be in any great hurry to dispense with the night fireman, even if the steam heat should only be in circulation for an hour or two. The houses may go along in good shape apparently till midnight, but the damage usually occurs between 3 a. m. and daylight, causing the condensations to collect on the foliage which will do much toward ruining the otherwise cheerful outlook for the coming season than can be blamed to any other cause, for the effect of the cold dew on the foliage is deadly. The damage is materially lessened by keeping the air on day and night, but let me repeat that for economy's sake keep the fireman on just as long as there is any danger of the foliage being found with a coating of frost or something almost as damaging. E.

A Winner.

"Boy, take these flowers to Miss Bertie Boo-hoo, room 12."

"My, sir, you're the fourth gentleman wot's sent her flowers today."

"What's that? What the deuce? W-who sent the others?"

"Oh, they didn't send any names. They all said, 'She'll know where they come from.'"

"Well, here, take my card, and tell her these are from the same one who sent the other three boxes."—Tit-Bits.

Going Away.

"Why are you breaking up house-keeping?"

"My wife's florist says she'll have to take the rubber plant to a different climate for a while."

Water Lilies and Other Aquatics.

Paper read before the Morris County Gardeners' and Florists' Society by William Tricker, May 8, 1912.

This topic may appear unreasonable or unseasonable, as at this date flowers are out of season and I have no pictures to exhibit with lantern-slides. On the face of it, it may appeal to you as being very dry, but I hope I may say a few words in favor of these plants that will interest you. Florists, gardeners and those who own suburban homes and the mass of humanity love the country, the green fields, hills and valleys, woods and plains and the landscape in general with all its varied beauties in nature as they appear to us in the spring of the year with its resurrection of life, its unfolding leafage, buds and flowers pointing to summer's fullness and fruition and autumn's gathering in.

The landscape through all the changing seasons is a panorama of beauty and richness of color, the handwork of the great architect of the universe, created for our adoration, our enjoyment, our life and health. As we are all sons of our father Adam (the first gardener) we naturally take to his profession and we think of the old homestead, the old fashioned flowers, the fruit, the trees, the landscape and one thing more prominent than any other on the landscape, most picturesque and which no artist omits on the canvas, is the widening stream—that piece of water. Yes, in the first garden we read of rivers of water and something of the plants and trees planted by the side and down through the ages to this twentieth century those fortunate enough to possess a large share of the world's goods have also had their beautiful gardens, and where there were gardens there were rivers and streams and water courses, and with these naturally were aquatic plants. See how nature has distributed aquatic plants on this great continent of ours. You take your machine and tour through the great mid-Atlantic and other states; you pass by numerous lakes and ponds and other sluggish streams. On the surface of some you espy the lily pads and the opening lilies of purity kissed by the dews of the Heavens as they float in



DELIVERY CAR OF A. L. GLASER, DUBUQUE, IA.

crystal waters. Here you find one gem, there another, each emitting a rich, delicate perfume, inviting, enticing, entrapping a host of winged gay insects. We have ten or a dozen species and varieties of water lilies in the United States and of aquatic plants there is no end, but allow me to mention the cat tails, *Typha latifolia*, together with the sedges, the hibiscus with its mammoth flowers, the gorgeous cardinal flower and its blue companion, the many arrow-heads, the calthas, the lithrum, *esclapia*, *thalictum*, irises, etc., far too many to mention, but everywhere you turn the moist places are resplendent with verdure and beauty. Turn to Europe, and there you will find her ponds, pools and lakes no less beautiful, yet adorned with other gems mostly white, reflecting their pure flowers on the placid surface as in a mirror.

We journey and we visit the cool lakes of Sweden and Switzerland. There we find another tenant of the cool, crystal lakes, modest and retreating and scarcely seen or heard of away from its native haunts. There are still others in the temperate climes, and we cross over to Siberia and Japan and there we find a miniature creation of a water lily, the smallest known. Alongside with this we have the gigantic lotus, with its petalate leaves, six, eight or more feet in circumference, with monstrous flowers, 24 or more inches in circumference, standing four, five, six feet above the surface of the water. These were held in such esteem that they were considered worthy to be carved over the chapters of the pillars of King Solomon's temple. Let us pass over to ancient Egypt, where the Egyptian lotus was pre-eminent but now extinct, and see there the ancient bullrush, the papyrus, the peer of cyperus or any other zinnia, but what of the nymphaeas, the water lilies of Africa from north to south, from east to west, and the islands of Zanzibar. Nowhere else in the world are there found such a wealth of flowers; here only are found the blue species together with a white and yellow (not yet in commerce). Let us pass on to the great continent of India. Here under a tropical sun and burning heat that would wither its flowers, nature provided that the water lilies should unfold their splendor in the cool of the evening, and as blue is no night color (or serviceable under artificial light) the water lilies of India are red and white.

There are still others in the tropics of South America and on the Amazon tributaries we arrive at the climax, the most wonderful of all aquatic plants, the *Victoria Regia*. Further down on the tributaries of the Para river is found the *Victoria Cruziana*, introduced into cultivation by the speaker and now grown more largely than the *Victoria Regia*, as it yields readily to cultivation under similar conditions to the tender nymphaeas and can be grown without artificial heat in our own state and elsewhere, save north of New York, although it has been grown with excellent results in Elizabeth Park, Hartford, Conn., by a man whose name is worth mentioning.

Gentlemen, I have alluded to a class of wild flowers largely distributed that have attracted the attention of the human race for thousands of years. They are mostly exotic, they have been collected from the four quarters of the globe, they have been brought together as one family and the botanist, hybridist and the cultivator have worked these flowers with as

great and astonishing results as in any one class of flowers, with the result that the water lilies of today are not known in their native homes; they do not belong there; if they belong anywhere it is the new world where they are recognized and prized for their great worth and where they may be honorably styled "Florists' Flowers." We have an increasing demand every year for these flowers for special occasions, at summer resorts, especially the night bloomers; they are not only well adapted for such purposes, but they are equally adapted for natural and artificial ponds, etc., as the flowers remain open until near noon and many people do not know that they belong to a class by themselves, as they are open with the others in the early morning.

Florists are using them for window display in summer where no other flowers are so attractive and especially suited for the occasion. But let us take it as a decorative plant where it is adapted for the cottage garden or the more pretentious garden of the wealthy; also public parks. There is an immense field to draw from and varieties in miniature and gigantic proportions to suit every case and condition. For the small garden we have the pygmea, white, pink, yellow and blue, with the nelumbiums also adapted for such culture. As the area increases and the facility for culture there are numerous varieties adapted for the Italian garden, the semi-wild or natural garden, ponds and lakes, both artificial and natural. For several years our public parks have made an effort to instruct the public; it is more or less of a success and it is here the public have been enthused with the desire to have their own water garden and today many are inquiring how they may grow these beautiful flowers, when to plant and numerous questions. As I have said before, we have water lilies from all sections of the globe and their many hybrids. It will take a novice a little time to get acquainted with all of these; suffice it to say that almost every known nymphaea, nelumbium and *Victoria* can be grown successfully in our state and most every state in the Union. Their wants are few; they are all sun loving plants; full exposure to the sun; protection against strong winds, a rich soil and plenty of it. Here is where many failures are made—water lilies grow in water. Yes, but in their native water natural ponds and sluggish streams there is a rich soil at the bottom and plants in artificial ponds must be provided with ample soil of a rich, mellow loam enriched with thoroughly rotted cow, sheep or horse manure. The hardy nymphaeas may be planted in May when growth is active or assured. Nelumbiums are better deferred a while longer; they are impatient of being disturbed. The tender varieties should not be planted until the latter end of May or beginning of June. Don't forget they are tropical and we are not living there.

With this collection of water lilies we have our first flowers early in May and I have had some in June, but in July and August (our hot months) they decline somewhat, the flowers being smaller, but in June the tender varieties commence to flower and increase in size and color until they eclipse the hardy varieties and they hold their own until the cool nights of September are upon us. The lotus are generally at their best during July and August. As to the depth of arti-

ficial ponds, I have had excellent results where the water has been two feet deep, allowing boxes one foot deep to be submerged one foot. The boxes may be made of ordinary lumber or packing cases and a good plant so desired would require from four to nine cubic feet of soil and a tender or tropical variety would cover about 75 to 100 square feet of surface. The hardy varieties are not so vigorous and I would plant three hardy where I would plant one tender. The lotus in about the same proportion as the tender nymphaeas.

All natural or artificial ponds, tubs, etc., should have gold fish in the water to keep down the mosquitoes. The water will not of necessity have to be changed. An overflow pipe is very desirable, although the plants oxygenize the water. There will occasionally be a scum on the water which can be washed off. Do not have running water or cold spring water running all the time; fill only to replace loss by evaporation.

Thought Bulbs.

BY GARDENIA SMART WEED.

Although I am passionately fond of flowers, I do not love all flowers equally. Flowers are like people—modest or bold, virtuous or dissolute, shy or forward, and so on. Some flowers like *Lilium rhapsodia*, make no attempt to be beautiful—they simply are so; others, like the sunflower, are as vain of their beauty as Yum-Yum; while scarlet poppies are the most abandoned things!

Then some flowers, I am sure, have no souls. The nasturtium has no soul, nor the tiger lily; I am not so sure about the hollyhock. Generally speaking, flowers without odors are without souls; and that is why the rose is so soulful; the rose, I am sure, is immortal.

Mornings and evenings I sit in the garden and talk to my flowers. I love to enter into their lives, to share their thoughts, their aspirations, their hopes; to rejoice with them in the fullness of their flowerhood; and, sweetly sad duty, to be alone with them when they die. It is beautiful to think that some of my pets are imperishable. *Poppycoccus literatus* and *Folderolla sentimentalis* can never die!—Chicago Tribune.

The Late David Freudenthal.

David Freudenthal of Kansas City, Mo., died at St. Mary's hospital May 8, aged 67 years. He was born in Germany and had lived in Kansas City for twenty-seven years, and for some time had conducted a flower store in the Bryant building. He is survived by a son and daughter. The funeral services were held May 10 and the burial was in Elmwood cemetery.

LENOXDALE, MASS.—Azur N. Cook, formerly a florist in Michigan where he conducted business for many years, died May 8, aged 90 years.

HARTFORD, CONN.—At the meeting of the Connecticut Horticultural Society held May 10 Thomas J. Grey of Boston gave an interesting account of his visit to Europe, describing the gardens of the British Empire.

BROOKLYN, N. Y.—Peter C. Wilson, for twenty-seven years superintendent for James Wier, Jr., & Sons and once a power in the Eighth ward, died at his home, 263 Ninth street, May 10, after a long illness, aged 69 years. He is survived by a widow, daughter and two sons.

THE AMERICAN FLORIST

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When sending us change of address always send the old address at the same time. Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

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We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
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NEXT week's issue will go to press earlier than usual on account of the holiday and advertisers and correspondents will therefore oblige by mailing their copy one day earlier than usual.

THE price of the French-grown immortelles is expected by the best authorities to be lower than last year, but still very high. The market rates are established about the first ten days in July.

THE Arizona Horticultural Commission has issued a circular which embodies the "Arizona Horticultural Law and its Applications Concerning the Importations of Plants" which florists and nursery men should obtain before making shipments to that state. A copy may be secured by applying to the Arizona Horticultural Commission, Phoenix, Ariz.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the new rose Killarney Brilliant by Robert Scott & Son, Sharon Hill, Pa., becomes complete.

May 11, 1912. JOHN YOUNG, Sec'y.

National Council of Horticulture.

The third installment of the press service of the National Council of Horticulture contains articles upon the following subjects: "The Soil Plants Like," "Cannas," "Annual Phlox." These articles are timely and instructive and are distributed to florists, seedsmen, nurserymen and the press for the purpose of extending the interest in horticulture. Copies may be obtained of J. H. Burdett, 1620 West 104th place, Chicago.

American Gladiolus Society.

The following prizes have been offered for the August exhibition of the American Gladiolus Society at Chicago:

E. E. Stewart, River Junction, Mich., \$5.00 for best vase of gladiolus, President Taft, 25 spikes; \$5.00 for best vase of gladiolus, Golden Queen, 25 spikes; \$5.00 for best vase of gladiolus, Michigan, 12 spikes; \$5.00 for best vase of gladiolus, Purity, 12 spikes.

A. H. Austin, Wayland, O., \$5.00 for the best collection of 10 new varieties, never before exhibited, three spikes each.

L. MERTON GAGE, Sec'y.

Yearbook of Agriculture.

We are in receipt of the yearbook of the United States Department of Agriculture for 1911 which, in addition to the customary reports of bureau chiefs, contains many interesting papers by experts, of which the following are likely to interest some of our readers: "The Reduction of Waste in Marketing," by Frank Andrews; "Relation between Rotation Systems and Insect Injury in the South," by W. D. Hunter; "Important American Soils," by Jay A. Bonsteel; "Bird Enemies of the Codling Moth," by W. L. McAtee; "Tree Planting by Farmers," by C. R. Tillotson; "Plant Introduction for the Plant Breeder," by David Fairchild; "Promising New Fruits," by W. A. Taylor and H. P. Gould; "Green Vegetables and Their Uses in the Diet," by C. F. Langworthy; "The Value of Predaceous Beetles in Destroying Insect Pests," by A. F. Burgess and C. W. Collins.

Importation and Movement of Plants.

A bill to regulate the importation of nursery stock and other plants, to enable the Secretary of Agriculture to establish and maintain quarantine districts and to permit and regulate the movement of fruits, plants and vegetables, is reproduced on page 1096 of this issue, known as Bill H. R. 24, 119, was presented to the House of Representatives of the United States May 3, 1912, by Representative Simmons and referred to the committee on agriculture. In reporting the bill back to the house May 6 when it was committed to the committee of the whole house, the committee explained the provisions of the bill and called attention to the conditions which necessitate the legislation, as the United States is the only great power without protection from the importation of insect in-

festes and diseased plant stock, and recounted the several injurious insects and diseases which had been introduced into the country on imported stock. They also stated that there has been practically a universal demand for the legislation, the only opposition being that of importing nurserymen, who feared that a law might be passed that would interfere with the nursery interests, but the bill had been fully discussed with the committee on legislation of the National Association of Nurserymen and this committee has accepted it as satisfactory to them and as desirable legislation.

The bill now presented has been considerably altered from preceding bills to meet the contentions of the nurserymen, among important changes are: To the several states are left the responsibility of inspection at destination of imported stock and the cleaning up and disinfection of local quarantine districts and the appointment of the Federal Horticultural Board is more in the manner advocated by the nurserymen.

What England Can Teach Us in Gardening.

That we imitate England wrongly in gardening and that the only way we can surpass that country, which has been called "The most beautiful country in the world," is by a study and planting of our longest-lived native trees and thereby obtain 90 per cent of the English luxuriance in our own lifetime. "Let every country use chiefly its own trees, shrubs, vines and other permanent material and let the style of gardening grow naturally out of necessity, soil and the new conditions." These are the lessons taught in a volume entitled "What England Can Teach Us About Gardening," by Wilhelm Miller, Ph. D., just issued, which describes the beautiful results that have been obtained in English gardens, and draws conclusions as to what may be done in similar lines in America. Different styles of planting and all the separate gardens are taken up under their respective headings such as general landscape, hardy borders, water gardens, wild rock and wall gardening, peat and rose gardens. The effects which are obtained in England with the different plants and flowers and the lessons America can learn are clearly described. At the end of each chapter are cited the best books on each special subject. The book is a masterpiece of the printer's art, bound in board and contains in 360 pages, 112 beautiful photographic plates of the best examples of the several styles of English gardening and eight plates in color that depict the beautiful effects obtained by natural planting. The subject is handled by the author in the most complete and comprehensive manner and is a work of thorough research as well as advanced teaching in the planting of small gardens as well as extended estates.

Wants the Earth.

One of the most unusual claims ever filed with a city department is that of Squire Herrick, at one time a well known nurseryman, recently filed with the Cincinnati Park Commission. Herrick had leased his nursery on Price Hill to the commission which raised seedling trees and shrubs there. These were later transplanted in various city parks.

Herrick now says that when the trees and shrubs were dug up some of his earth clung to the roots. He wants to be paid for the earth which was thus removed from his property. He says that during the last four years there must have been fifty-five cart-loads of it, and asks \$2 a load.—N. Y. Tribune.

Meetings Next Week.

Baltimore, Md., May 27, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.
Cleveland, O., May 27, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Lake Forest, Ill., May 29, 8 p. m.—Horticultural Society of Lake Forest, council chamber, City Hall.

Lake Geneva, Wis., June 1, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, Guild hall.

Lenox, Mass., June 1.—Lenox Horticultural Society.

Norwich, Conn., May 27.—New London County Horticultural Society, Buckingham Memorial.

San Francisco, Calif., June 1.—Pacific Coast Horticultural Society.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.****For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As foreman, by florist, 35 years of age, married, 23 years' experience in all branches, private as well as commercial. Last employer retail. Address Key 604, care American Florist.

Situation Wanted—As gardener on a private place which employs two or three hands. English, age 34; seven years in this country; good reference from last situation. Address A. ABDY, 6 Harris Ave., Jamaica Plain, Boston, Mass.

Situation Wanted—As gardener; 19 years experience growing roses, mums' carnations, pot and bedding plants. Greenhouse or outside work; single man, 29 years old, on private place, steady position. Address Key 634, care American Florist.

Situation Wanted—By honorable German, 30, married; 16 years' experience in carnations, mums, bedding stock, begonias, cyclamen, ferns, and design work, first class landscape and nurseryman; able to take full charge. Only a good place considered. State full particulars and wages in first letter. Key 636, care American Florist.

Help Wanted—First-class salesman and designers for our retail stores. Apply to HERMAN BERSHAD, care Loeser's, Fulton St., Brooklyn.

Help Wanted—Several quick potters, also man to take charge of palms and decorative stock. State wages expected in first letter. Address Key 633, care American Florist.

Help Wanted—Assistant florist and gardener; single man preferred. Wages \$35 per month, including board, room, laundry, etc. Apply to C. R. STARKE, Boys' Industrial School, Lancaster, Ohio.

Help Wanted—Manager of flower store in large city of central states. Man of experience and executive ability. Excellent opportunity for good man. State salary in first letter. Address Key 638 care American Florist.

Help Wanted—Working foreman to take charge of 60,000 sq. ft. of glass, to grow a general line of cut flowers and plants. Must be strictly sober, married man preferred. State wages expected, how long in present position, and references. Address C. LOVERIDGE, Peoria, Ill.

Help Wanted—A house and yard man; to room and board on the place; a permanent position for the right man; must understand and be willing to care for yard, assist some in cleaning in the house, and keep an automobile clean; wages, \$40.00 per month. Address FRED J. THIEME, Wayne Knitting Mills, Fort Wayne, Ind.

For Sale—Two good paying retail stores in Chicago. For further particulars address Key 631, care American Florist.

For Sale—About 10,000 feet of glass. No competition, can sell all you can grow. A rare opportunity—investigate. FLORIST, Dwight, Ill.

For Sale—Special Bargain! Most profitable business in Nebraska. Wire! Write! HIGGINBOTHAM & PICKENS, Hastings, Neb.

For Sale—Great Falls Floral Co.'s greenhouses and stock, splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Cheap; store fixtures, wall cases and a National cash register. A bargain for some one. Answer now. Key 632, care American Florist.

For Sale—At once, good florist place, newly built; good business; busy town; cheap if sold at once; middle Ohio. Address Key 630, care American Florist.

For Sale—Florist and market garden business established twenty-five years; 20,000 feet of glass well-stocked; one to eight acres of land, \$1,500.00 takes possession at once; a bargain. Address GOSHEN FLORAL CO., Goshen, Ind.

For Rent—Reissig's greenhouses in Riverside, Ill.; 55,000 square feet of glass, and 12-room brick residence, both hot water heat; 10-room gardener's house; barn, chicken house and five acres of ground; orchard and shrubbery; all in good condition. Apply CHAS. W. REISSIG, Box 289, Riverside, Ill.

For Sale—Seven large commercial greenhouses on three acres of land; eleven-room house and small house for help; three wagons, two horses. Good paying proposition; near New York City. Owner wants to sell on account of health. Apply CHAS. MILLANG, 55 W. 26th St., New York City.

For Rent or Sale—About 6,000 feet double strength glass; hot water heated; built for my florist daughter; not married, gone; still a going business. Fair stock, only florists here; county seat, near Denver; rent twenty dollars per month. Will sell houses, tools, stock, all for seventy monthly payments of thirty dollars each. I mean business. Address CULP WATCHMAKER, Owner, Box 116, Littleton, Colorado.

Wanted—Will some one kindly send information as to the present address of George J. Leoffler, so we can correspond; or if you see this, George, please write. CHAS. A. LEOFFLER, care Geo. Yore, Jr., Deerfield, Ill.

HELP WANTED

Two good rose growers.
Two good carnation growers.
Two helpers.

BASSETT & WASHBURN
HINSDALE, ILL.

WANTED.

Salesman who is thoroughly experienced in selling seeds and nursery stock. Apply, with references, to MR. HANIG, Cut Flower Department, Gimbel Bros., Sixth Ave. and 33rd St., New York.

STOREMAN

Good designer and salesman, accustomed to waiting on high class trade, is open for engagement. Middle West preferred. Address Key 639, care American Florist.

Situation Wanted

An all around Carnation Grower capable of taking charge. Chicago preferred. Can furnish the best of references. State salary when writing. Key 637 care American Florist.

Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address Key 615, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party. Key 628, care American Florist.

Wanted at once, A first class Carnation and Mum grower. Send references and state wages expected in first letter or call personally. JOHN RECK & SON, BRIDGEPORT, CONN.

Help Wanted.

A German manufacturer, who makes special heating plants and boilers for greenhouses, desiring to secure the services of a capable representative in America (an experienced florist preferred) to start immediately. Apply in writing to

Key 610, care American Florist.

FOR SALE-A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Ill.

FOR SALE.

Seed, Nursery, Plant and Flower Business for sale. Annual Sales, \$80,000.00. Large cash mail order business from Texas, Oklahoma, Arkansas and Louisiana; 60,000 names of property owners lately revised. Manager, who owns controlling interest in the corporation, wishes to retire. Write for particulars or come and investigate.

DRUMM SEED & FLORAL CO.,
507 Houston Street, Fort Worth, Texas.

For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line; good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE,
1607 Second Avenue, Rock Island, Ill.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

A RARE OPPORTUNITY

I offer, in the beautiful city of Auburn, Cayuga County, N. Y., one of the finest florist's propositions ever presented to the public. A beautiful house with all modern conveniences, about three acres of land, four fine greenhouses built of cypress; two of them 10 feet wide and 162 feet long, and two 20 feet wide and 100 feet long. Equipped with steam heat and city water. An unusually fine assortment of stock. Location on trolley line, and business in a very flourishing condition. Nice barn on property. Best of reasons for selling. This business will be a big money-maker to the right party. For full particulars, address

John N. Ross
147 Genesee St., Auburn, N. Y.

Agricultural Propagator

The United States Civil Service Commission announces an examination at the several offices of the board on June 5 1912, to secure eligibles from which to fill a vacancy in the position of agricultural propagator in the Philippine service at a salary of \$1600 per annum. The examination is for men only between 20 and 40 years of age, open to all citizens of the United States. Practical experience in nursery or orchard work and an expert in budding, grafting and other forms of propagation is desired.

Applicants should at once apply to the United States Civil Service Commission, Washington, D. C., for application form B. I. A. 2 and for information regarding the examination.

Beauties, Carnations, Roses, Peonies

Fine Large Crops for MEMORIAL DAY

Buy Direct of the grower.

We grow all the stock we sell and guarantee it strictly fresh.

Price List

Subject to change
without notice.

AMERICAN BEAUTIES		Per doz.	KILLARNEY AND WHITE KILLARNEY, RICH- MOND, MARYLAND, KAISERIN AND PERLES
Extra long		\$3.00	Per 100
36-inch		2.50	Extra long select.....
24-inch		2.00	Good length.....
18-inch		1.50	Medium length.....
12-inch		1.00	Short
Short	per 100,	\$4.00	Per 100
RHEA REIDS		Per 100	LILY OF THE VALLEY.....
Extra long select.....	\$8.00 to	\$10.00	SWEET PEAS
Good length		7.00	ASPARAGUS SPRAYS
Medium length		6.00	SPRENGERI
Short	4.00 to	5.00	FINE EASTER LILIES
CARNATIONS		Per 100	Per dozen.....
Extra long fancy, O. P. BASSETT....		\$5.00	Per 100.....
Extra long fancy white.....		5.00	ADIANTUM
Fancy pink		4.00	GALAX—Bronze
			per 1,000, \$1.00
			FERNS—Eastern
			per 1,000, 3.00

PEONIES and all Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL

Mention the American Florist when writing

Chicago.

BUSINESS VERY ACTIVE.

The business at all the wholesale stores enjoyed a great boom the latter part of last week and the first of this and all the stock cleaned up nicely, and with Memorial day only a week ahead there is no question but that all the available stock will find a ready sale. Roses are being received in good quantities and so are sweet peas, but the carnation receipts are far below what are generally to be had at this season of the year. The weather has been more like April than May, there being frequent showers followed by sunshine, but the buyers are out and the retailers are enjoying a good trade. The weddings are beginning and there are many banquets being held which keep the decorators busy and use large quantities of flowers. It looks as if there would be no immense supply for Memorial day, for the carnation growers are not holding back any great amount of stock. They simply are not cutting the usual quantity and there is very little inducement to hold back for the prices are almost as good as they will be for Memorial day. The houses that handle peonies say that there will not be as many of these flowers as there generally is; the southern crop is quite short and the spring has been so backward that they do not expect a large local out. Roses are the principal product of the market; the receipts are large and the quality is fine, but there is a demand for all the stock that is received and some of the large growers are waiting for the shipments to arrive to fill their orders. American Beauties are of good quality and can be had in all grades by the early buyers. Killarney, My Maryland, Mrs. Jardine and Prince de Bulgarie

are the best of the pink, and the best stock all finds ready sale; White Killarney is the white in largest quantity, but Bride and Kaiserin are both to be had; Richmond and Rhea Read are the reds; while in yellow, Perle des Jardins, Melody, Mrs. Aaron Ward and Sunrise are all offered. There is a fine selection of varieties, but to obtain the best stock an advance order is often necessary. Carnations, as has been stated, are selling at good prices, and fortunately, so one of the wholesalers says, for many of the carnation growers have had a bad season. Sweet peas are of splendid quality and some elegant Spencer varieties are to be had. Orchids are in fair supply and the demand is good. Gladiolus are being received in large shipments. Mrs. Francis King, Augusta and America are to be had and plenty of Bride and Blushing Bride. Tulips are in good supply and many fancy varieties, including Parrots, are seen. Outside lily of the valley are now among the daily offerings. Lilies and callas are received in smaller quantities and they clean up well. Spanish iris is freely displayed in many colors. Lilac is to be had in quantity, the home grown being now in. Peonies are being received in good sized shipments and in several colors; that grand variety, Festiva Maxima, was seen this week. The first double white narcissus came this week and should be just right for Memorial day. Forget-me-nots, pansies, marguerites, antirrhinum, calendulas, mignonette are the other flowers to be had. Greens are still none too plentiful, hardy ferns are bringing good prices, smilax is still in short supply and the receipts of asparagus are not large. The conditions are such at present that it looks as if the out-of-town florists would do well to place their Memorial day orders

early, for the prospects are that the supply will be spoken for in advance.

NOTES.

The regular monthly meeting of the Cook County Florists' Association was held at the Union Restaurant last Thursday, May 16, with President Kohbrand in the chair. Many communications were read and the Sports and Pastime Committee was instructed to go ahead and make the necessary arrangements for the grand picnic which will be given at Karthausers grove on July 14. It was also voted to have a Dutch lunch at the next regular monthly meeting when the new by-laws will be discussed and the life members presented with a suitable token of appreciation.

The Lord & Burnham Co.'s office of which George Sykes is manager, reports the following orders for building: Southern Illinois Penitentiary, Menard, Ill., three curved eave greenhouses and installing hot water heating apparatus; Vincent Schwabe, Vancouver, B. C., material for five greenhouses; J. W. Davis Co., Bettendorf, Ia., two sectional iron frame greenhouses, 64½x600 feet.

Joe Welsh, for many years employed on the local market, is now with Kyle & Foerster, the firm that is handling some of the fancy Butterfly sweet peas.

L. Hoekner is again conducting his flower booth at Riverview park, and "Stogie's" many friends wish him a most successful season.

J. A. Sikuta, West Twelfth street, has finished remodeling his store and it now presents a most favorable appearance.

A. Miller of A. Henderson & Co. is again calling on his out-of-town customers.

FOR DECORATION DAY and Commencements

Our Price List Will Be Mailed to You.

If it does not reach you, write for it.

We Are Ready to Book Your Orders

For Peonies They have become one of the leaders for Memorial Day and Commencements, and should be included in your order.

For Giganteum Lilies One of the most appropriate flowers for Memorial Day. We have arranged to have a large quantity in for this day.

For Carnations We will have at least 250,000 for the week, a tremendous cut which will enable us to fill all orders in full.

Our Supply of Roses Will Be Very Large

Especially Short and Medium Grades, which we recommend as being first-class flowers and good stems. Will meet your requirements.

New Roses in good supply. **Melody** (yellow), **Mrs. Aaron Ward** (copper color), **Bulgarie** or **Mrs. Taft** (blush pink).

American Beauties Plenty to meet all demands—Short, Medium, Long and Specials; all perfect buds.

Lily of the Valley

Fancy and best for all occasions.

Spanish Iris

Yellow, Blue, Lavender and White.

Orchids

Choicest Cattleyas, Gigas and Mossiæ.

Sweet Peas

All the Fancy Butterfly and other varieties.

Mignonette, Daisies, Marguerites, Snapdragon

Also Full Line of Green Goods

Consisting of **Smilax, Plumosus, Sprengeri, Ferns, Adiantum, Mexican Ivy, Leucothoe Leaves, Galax.**

Our Florists' Supply Department

Has a full line of staple stock. Will mention specially now **Chiffons, Ribbons, Letters, Magnolia Leaves and Wreaths.**

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

"The Busiest House in Chicago."

DOUBLE WHITE NARCISSESSUS

Finest Flower on the Market for Memorial Day, and the one important item that the retailer should have on hand for the big flower day. Dandy seller and the best money-maker in seasonable cut flowers.

PEONIES, ROSES,

Carnations, Asparagus Plumosus
and all seasonable stock in quantity. **ASK FOR PRICE LIST.**

Order of Us and You Will Order Right.

J. B. Deamud Co.

Wire, Phone, Write. 160 N. Wabash Ave., CHICAGO.

The J. B. Deamud Co. received its first shipment of Double White narcissus on May 21 and the quality of the 28,000 flowers that were unpacked was exceptionally fine and a credit to the grower. This house always features the narcissus for Memorial day and is doing so more than ever this year. Their growers write that the crops are in fine condition and the cuts will be large. A fine grade of peonies and a full line of greens are leaders at this house this week.

Adam Wolniewicz is going to build a new store and flat building and another greenhouse on his property at 3424 North Claremont avenue and expects to start building operations next month. J. Wolniewicz, who manages the present establishment, is particularly proud of his fine Boston ferns and primroses and is anxious to compare quality with a few of the other local growers.

Tim Matchen, the popular manager of Peter Reinberg's store, was given a surprise party by a large number of his friends on his twenty-ninth birthday, May 19. The surprise was a perfect success for they caught him painting his back porch. Everybody had a fine time and many were the compliments extended to Mrs. Matchen on the repast and her culinary art.

Poehlmann Bros. Co.'s "Butterfly" sweet peas are now in full crop and a fine grade of all the desirable colors are now arriving at the store in large quantities. The cuts of roses and carnations are also large and choice stock in all lines is obtainable. The orders for Memorial day are coming in fast and some extra big ones have been booked.

E. E. Pieser is well pleased with the quality of the peonies that Kennicott Bros. Co. has received so far this sea-

son and says that he has never before known the quality to average so good as this year. His firm is receiving a fine assortment of all the leading kinds and will as in former years have large quantities to offer for Memorial day.

The Chicago Flower Growers' Association is filling a good many orders for carnations and the stock is of high quality and very good for shipping orders. J. F. Kidwell, the manager, says that he is pleased to see the carnations bring such good prices for the growers on the whole have not had a most satisfactory season.

A. L. Vaughan & Co. is featuring a fine grade of peonies in all the leading varieties as well as a choice grade of Mrs. Francis King, America and Augusta gladioli. This house is receiving a large number of Memorial day orders and everything points to a very satisfactory holiday trade.

Bassett & Washburn will be well fixed with roses and carnations for Memorial day and also on American Beauties which are now in good crop. C. L. Washburn and son, E. B. Washburn, are still busy with their proposed building but as yet no contract for the material has been placed.

F. O. Franzen, the Summerdale avenue florist, says that the demand for boxwood trees and bay trees is very good and that business in general is very satisfactory. He is using printers' ink quite heavily and the result is a rapidly increasing business.

Peter Reinberg is cutting more heavily now in Mrs. Aaron Ward roses and a very select grade of My Maryland, Killarney, White Killarney, American Beauties and Richmond are also arriving at the store in large quantities.

Peonies is the word at the E. F. Winterson Co. and the stock that is

now being offered is of fine quality and consists of all the leading varieties. The seed store is having a good season and the hands are working hard to fill all the orders.

Hoerber Bros.' stock is arriving at the store in fine condition and is meeting with quick sale, especially the roses and carnations. A large quantity of fancy Butterfly sweet peas is now being disposed of to the city buyers.

Erne & Klingel are adding new growers to their list and the additional stock is cleaning up well and the proprietors say that business since the opening has been fine and far beyond their expectations.

The E. C. Amling Co. has a complete line of all seasonable stock and the American Beauty and other roses that it is offering are of fine quality as well as the peonies which are arriving in quantity.

The Chicago Carnation Co.'s crack baseball team won another game in the Joliet city league last Sunday, May 19, when they defeated the North End Athletics by a 7 to 5 score.

The Geo. Wittbold Co. is shipping out a large quantity of bedding plants, box trees and bay trees, and the landscape department is also very busy with outside work.

Miss M. C. Gunterberg is having a good call for geranium plants and is also disposing of a good cut of Kaiserin Augusta Victoria roses.

Sinner Bros. are handling a fine grade of all the leading peonies, and John says that he is now prepared for a big Memorial day trade.

Dwight L. Harris says that the Pulverized Manure Co. is having a fine season and that the force is working day and night.

WIETOR BROS.

162 N. Wabash Ave., Chicago

We Are in Full Crop

And Can Fill All Orders For

DECORATION DAY

Our stock is of exceptionally fine quality, both **Roses** and **Carnations** and is bound to please. Buy from us and find how pleasant and profitable it is to deal direct with the grower.

Send Us Your **ORDER NOW** Fresh Stock Carefully Packed

Decoration Day Price List:

Subject to change without notice.

American Beauties.

	Per Dozen		Per Dozen
60-inch stems.....	\$4 00	24-inch stems.....	\$1.50
48-inch stems.....	3 00	20-inch stems.....	1.25
36-inch stems.....	2 50	15-inch stems.....	1.00
30-inch stems.....	2 00	Short Stems.....	.75

Killarney.

	Per 100
Extra special.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Richmond

	Per 100
Extra specials.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Jardine

	Per 100
Fancy, 24-inch stems..	\$8.00
Good, 15 ".....	6.00
Short.....	4.00

White Killarney

Per 100

Extra specials.....	7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Uncle John

Fancy.....	\$6.00
Good.....	3.00
Short.....	2.00

Roses, our selection - - - **\$3.00**

Carnations,

Extra Special.....	\$5.00
Special.....	4.00
Fancy.....	3.00
Good.....	2.50

HARRISII.....12.50 to 15.00

FERNS, per 1000, \$3.50. SMILAX, per doz., \$2 to \$3.

ADIANTUM, per 100, \$1 to \$1.50. GALAX. per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

The above prices are for select stock. Extra select or inferior stock billed accordingly.

All other stock at lowest market rates.

All Grades **PEONIES** All Colors

Highest Quality—Finest Obtainable

Extra Special, \$8.00 per 100; Special, \$6.00 per 100; Good, \$4.00 per 100.

MEMORIAL DAY PRICE LIST

AMERICAN BEAUTIES.		Per Doz.	PEONIES, Extra special.		Per 100
Specials		\$4.00	" Special		8.00
36-inch		3.00	" Good		6.00
30-inch		2.50			4.00
24-inch		2.00	CARNATIONS, fancy White and Red	\$4.00 to \$ 5.00	
20-inch		1.50	" firsts		3.00
15-inch		1.25	" common splits		2.00
12-inch		1.00	ORCHIDS, Cattieyas, per doz	\$6.00 to \$ 7.50	
Short stem	per 100	\$4.00 to \$6.00	CALLAS	12.50 to 15.00	
	Per 100		TULIPS	2.00 to 3.00	
RICHMOND, select		\$8.00	SPANISH IRIS	4.00 to 6.00	
Fancy		6.00	VALLEY	3.00 to 4.00	
Medium		4.00	MIGNONETTE, large spikes		4.00
Good short		3.00	SWEET PEAS, common	.75 to 1.25	
KILLARNEY, select		\$8.00	ADIANTUM CROWNANUM	.60 to 1.00	
Fancy		6.00	SMILAX	per doz., 2.50 to 3.00	
Medium		4.00	SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00	
Good short		3.00	PLUMOSUS STRINGS	each .60	
WHITE KILLARNEY, select		\$8.00	FERNS	per 1000 3.00 to 4.00	
Fancy		6.00	GALAX	per 1000 1.25	
Medium		4.00	LEUCOTHOE	per 100 .75	
Good short		3.00			

A. L. VAUGHAN & CO.

TELEPHONES: { 2571 Central
2572 Central
AUTOMATIC: 48-734

(Not Inc.)

161 N. Wabash Ave.

Chas. W. McKellar is offering a good supply of fancy peonies and one of his growers writes that his stock is in fine shape and that he will be full crop for Memorial day. The supply department is busy filling holiday orders and probably one of the best sellers in this line is the Meyer Green Silkaline. This thread has been in use for over a quarter of a century and is recognized by most florists as being the best thread on the market.

John Kruchten is supplying his customers with a fine grade of carnations, peonies and roses and is finding no trouble in disposing of his select stock. The gardenia crop is very light now, but Mr. Kruchten figures that they will be better property in June, the month of weddings. Cape Jasmine of good quality is now being offered freely and is meeting with very good sale.

Wietor Bros. are just about in full crop and will be strong in everything for Memorial day, especially in long stemmed American Beauties, Richmond, Killarney and White Killarney roses and carnations. The American Beauty roses are especially fine and the long canes carry magnificent buds and are well laden with luxuriant foliage.

J. A. Budlong is cutting a large quantity of his blue ribbon lily of the valley and the stock that is now seen at the store is the finest of the season. The cut of stock in general is good and consists of some exceptionally fine My Maryland roses, Butterfly sweet peas and Aristocrat and Afterglow carnations.

Vaughan's Seed Store distributed a car of burlapped sphagnum to the trade this week, shipments going from New England to California. This stock came from their newly opened live moss ranch near the head waters of the west branch of the Wisconsin river.

John Mangel had a very busy week. The banquet at the Union League called for a large number of bouquets and other flowers.

Canger & Gormley had the decoration and bridal flowers for an elaborate wedding, Saturday, May 18.

Visitors: R. A. Latham and W. S. Desmond, Minneapolis, Minn.; C. C. Pollworth and Gust. Rusch, Milwaukee, Wis.

Illinois State Florists' Association.

President Loveridge has appointed the following committee to be in charge of the booth at the convention of the Society of American Florists to be held in Chicago in August as a headquarters for the members of the society and to solicit membership: C. L. Washburn, Hinsdale; A. C. Brown, Springfield; I. L. Pillsbury, Galesburg; H. E. Smith, Danville; J. F. Ammann, Edwardsville; C. L. Loveridge (ex-officio), Peoria.

In pursuance to provision in the constitution the president has appointed H. W. Buckbee and I. L. Pillsbury, vice presidents to serve for three years. J. F. AMMANN, Secy.

Chicago Bowling.

Individual and team scores for games played Wednesday, May 15:

Orchids.		Violets.	
Krauss	230 159 156	Schl'man	188 159 213
Graff	172 160 136	Armstrong	159 171 132
Huehner	182 150 169	Goerisch	142 147 160
Farley	174 194 199	Block	162 115 113
Zech	170 198 133	Foerster	165 174 191
Totals	928 861 793	Totals	766 766 809
Roses.		Carnations.	
Scholmer	130 160 120	Lorman	126 198 169
Stack	130 108 114	Ayers	180 164 132
Efert	160 167 213	Schultz	150 174 133
Wolf	214 135 203	Balliff	168 192 166
Fischer	152 204 198	A. Zech	180 206 123
Totals	786 788 838	Totals	804 934 723

Chicago-Milwaukee Bowling.

Two six-men teams representing the Milwaukee Florists' bowling league came down from the Cream City last Sunday, May 19, to trim up the local bowlers, and it looked for a while as if they would succeed, but the locals came back strong in the second and last games and won by a big margin. The Milwaukee boys are good losers and took their defeat gracefully, but the local boys had better be careful, for the visitors are coming down strong for the convention and intend to be on the top of the list when the bowling is over. After the bowling at Bensinger's new alleys was over a lunch was tendered the visitors and after all had their fill Fred Holton thanked the local boys in behalf of the visitors for the kind reception they had received and concluded with the remark that his crowd had had a most enjoyable time. Chas. Balliff and John Zech, with a chorus of thirty, entertained the gathering and it was 9:30 p. m. before the happy crowd broke up and escorted the Cream City gentlemen to the depot. The following scores were made:

Chicago.		Milwaukee.	
Balliff	179 144 211	Rusch	188 140 161
J. Zech	136 166 118	Zweifel	142 142 168
Fischer	137 204 218	Kellner	197 122 177
Farley	140 189 156	Guthood	182 122 169
Graff	141 180 178	Pohl	157 141 141
A. Zech	190 165 148	Holton	173 154 141
Krauss	188 141 159	Currie	130 134 139
Goerisch	141 121 116	Halliday	140 123 165
Schl'man	145 175 168	Oestreich'r	173 123 285
Foerster	154 191 218	Hare	154 124 157
Wolf	187 147 187	Eggebre'ht	141 139 127
Huehner	163 167 174	Schmitz	162 150 136

NO. BEVERLY, MASS.—A. A. Pembroke has purchased several acres of land along the Boston & Maine railroad and will build a large greenhouse. A spur track is being laid on the property.

ROSES

Specially Strong on

**White and Pink Killarneys
and Richmonds**

Also LONG BEAUTIES

And Fancy Carnations

Crops are large and the flowers are particularly fine for shipping orders. You had better place yours with us now for we are confident that we can please you.

MEMORIAL DAY PRICE LIST.

Send Your Orders Direct to the Grower and They Will be Taken Care of

AMERICAN BEAUTIES	Per doz.		
Extra long stems.....	\$3 50	Mrs Aaron Ward	Select .....\$10 00
36 inch stems.....	3 00		Medium 8 00
30 inch stems.....	2 50		Short .....\$4 00 to 6 00
24 inch stems.....	2 00	Sunrise.....	Select \$6 00
20 inch stems.....	1 75		Medium 5 00
15 inch stems.....	1 50		Short 4 00
12 inch stems.....	1 25	Roses, our selection.....	4 00
Short Beauties	\$0.50 to 1 00	Carnations, all good.....	4 00
Richmond		Harrlsii	per doz. 1 50
Killarney.....	Select \$8 00	Valley	3 00 to 4 00
		Medium .....\$5 00 to 6 00	Sweet peas .....	75 to 1 25
White Killarney	Short 4 00	Tulips	3 00
My Maryland....		Adiantum	1 00
		Asparagus, per bunch.....	50
		Ferns, per 1,000	3 50

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph St., CHICAGO.

EXTRA FANCY

Stock for Decoration Day

We are prepared with a large supply of high grade stock to fill all orders up to the last minute. If you want stock of the first quality at reasonable prices this is the place to buy. Send us your orders immediately for

PEONIES, ROSES, CARNATIONS

DECORATION DAY PRICE LIST:

BEAUTIES		Per doz.	ROSES		Per 100	MISCELLANEOUS		Per 100
30 to 36-inch stems	.....	\$3.00 to \$4.00	My Maryland	.....	\$4.00 to \$6.00	Sweet Peas	.....	.75 to 1.25
20 to 24-inch stems	.....	2.00 to 2.50	fancy	.....	8.00	Daisies	.....	1.00 to 2.00
15 to 18-inch stems	.....	1.50	Our selection	.....	4.00	Gardenias per doz.	.....	\$2.00 to \$4.00
12-inch stems	.....	1.00				Gladioli per doz.	.....	1.00 to 1.50
						" Baby	.....	4.00 to 5.00
						Cape Jasmine	.....	1.00 to 2.00
ROSES		Per 100	CARNATIONS			GREENS		
Richmond, good stock	.....	\$4.00 to \$6.00	Common	.....	2.50 to 3.00	Asp. Plumosus	per string	.50 to .60
" fancy	.....	8.00	Fancy	.....	4.00	" Sprays	per bunch	.35 to .50
Killarney, good stock	.....	4.00 to 6.00	Special	.....	5.00	Sprenger	per bunch	.25 to .50
" fancy	.....	8.00				Adiantum	per 100	.75 to 1.00
White Killarney, good stock	.....	4.00 to 6.00	PEONIES			Smilax, choice	per doz.	2.50
" fancy	.....	8.00	Short	.....	4.00	Fancy Ferns	per 1000	3.50
Bride	.....	4.00 to 8.00	Good	.....	5.00	Galax Leaves	per 1000	1.00
Maid	.....	4.00 to 8.00	Fancy	.....	6.00 to 8.00	Mexican Ivy, per 100	75c; per 1000	\$6.00
Uncle John	.....	4.00 to 8.00	MISCELLANEOUS			Subject to Change Without Notice		
			Callas	per doz., \$1.50				
			Easter Lilies	per doz., 1.50				
			Valley	.....	\$3.00 to \$4.00			

JOHN KRUCHTEN

Wholesale Florist, L. D. Phone Central 6269 162 N. Wabash Ave., CHICAGO.

Milwaukee.

STOCK CONSIDERABLY SHORTER.

The first part of the week stock came in quite plentiful as bright weather prevailed for a few days, but toward the latter part with the cold, dismal rainy weather stock shortened up considerably, especially in carnations and prices immediately advanced. Roses also have reached a high price and in fact most all stock has shortened up, but, nevertheless, prospects for Memorial day are good. The first gladioli have made their appearance on the local market, but as this is the first they are not here in quantity. Sweet peas are coming in in better colors, although there is also a shortage in this line. There is plenty of bedding stock, such as geraniums and pansies and other outdoor stock, which keeps the local nurserymen busy. Plenty of green goods to supply the demand.

NOTES.

Fred W. Mueller, business manager, and Gustav C. Mueller, his son, grower of the Mueller & Schroeder Co., sold their share in the business to Wm. R. Schroeder, who will in the future conduct the business under the name Schroeder Floral Co. Fred W. Mueller, his son, Gustav C., and his brother, Gustav H., have formed a corporation under the name of Mueller Greenhouse Co., with authorized capital of \$25,000. This firm bought a beautiful 20-acre tract of land near the Holton & Hunkel Co.'s plant in Brown Deer, and at once let the contract for the erection of two greenhouses each 25½x300 feet. The plant, which is devoted to the growing of carnations only, will be enlarged by one or two houses next spring, and will be known by the name of Fairview Gardens. The officers of the corporation are: Gustav Charles Mueller,

president; Gustav Herman Mueller, vice-president; Fred W. Mueller, secretary and treasurer; the same three gentlemen also forming the board of trustees. Fred V. Mueller will be the general manager and Gustav C. Mueller the superintendent and grower. Hot water heat will be used and all the latest and most modern appliances installed. The boiler house, 30x60 feet, will be of concrete blocks, and the chimney, 60 feet high, of brick. Gutter posts set in concrete are eight feet above the ground and the heating system will be overhead. The whole plant is to be completed by July 1, when the housing of the carnation plants is to be begun.

The Milwaukee Florists' Bowling Club bowled a match game with the Chicago boys at Bensinger's alleys, Chicago, and certainly were treated royally and had a good time. It is not necessary to say that they were beaten, as this is the usual case. Nevertheless, the Milwaukee bowlers always go back for more, as they are game losers and do not care about getting beaten. After the bowling a luncheon was served at the tavern and this was certainly done up in fine shape. Chas. Bailiff entertained the boys in fine shape with songs which were highly appreciated by the crowd. The Milwaukee florists left Chicago on the 10 o'clock train with every one satisfied with the good time.

At the Gust Rusch & Co. wholesale house the entire force is kept busy and reports are that business is far beyond their expectations. This concern is handling some very fine greenhouse larkspur and lupines.

Peter Nohos, of the Nohos Co., is in the hospital to be operated on for gall stones, which have troubled him for some time.

Holton & Hunkel Co. are looking forward to a large Memorial day business

and have been kept busy at the greenhouses and store for the past two weeks.

C. C. Pollworth Co.'s greenhouse force is kept busy with their bedding stock. They also report business good at the store.

A. Currie Co. are well pleased with their seed trade and have had a full force working all of the time.

Currie Bros. Co. report business good and have been kept busy with funeral work and other events.

Visitors: Mrs. Miller, Racine; Wm. Schaefer, Platteville; Mrs. Harry Ash, Edgerton; Mrs. M. B. Lassen, Racine; F. F. Reukauf, H. Bayersdorfer & Co.; F. Kesting, West Bend. G. R.

Baltimore.

PLENTIFUL SUPPLY.

The rainy weather last week had its effect upon the sale of flowers. Business was very quiet, picking up some at the week end. The shipping orders on Wednesday and Thursday were quite large for southern Memorial day, but the city trade was a little dull. Peonies are coming in now. Outdoor lily of the valley is about over. The supply of roses and carnations and in fact all cut flowers is plentiful.

NOTES.

The preliminary schedule of premiums for the annual fruit, floral and vegetable show, held in connection with the annual meeting of the State Horticultural Society, November 18-23, has been issued. The premiums have been increased and all information will be furnished by T. B. Symons, College Park, Md.

The Gardeners' and Florists' Club have sent out invitations to an entertainment and dance May 27 at the club rooms.

Window boxes in several homes and beds and borders are being planted.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones: Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.
G. C. WEILAND, Sec'y.

Large Crops

OF EVERYTHING SEASONABLE FOR

Memorial Day

So place your order with us. We are continually adding new shippers to our Association and we are in excellent shape now to take care of all orders. Better give us yours now, for we are particularly strong on choice shipping stock.

Geraniums

Good Assortment. Plenty of S. A. Nutt, 4-inch Stock, \$9.00 per 100.

Memorial Day Price List:

	GRADE—	A	B	C	D	E	F	G
American Beauties.....	per dozen	\$ 5 00	\$ 4 00	\$ 3 00	\$ 2 50	\$ 2 00	\$ 1 50	.....
Killarney.....	per 100	8 00	6 00	5 00	4 00	3 00	2 00	.....
White Killarney.....	"	8 00	6 00	5 00	4 00	3 00	2 00	.....
Richmond.....	"	8 00	6 00	5 00	4 00	3 00	2 00	.....
My Maryland.....	"	8 00	6 00	5 00	4 00	3 00	2 00	.....
Perle.....	"	8 00	6 00	5 00	4 00	3 00	2 00	.....
Maids.....	"	8 00	6 00	5 00	4 00	3 00	2 00	.....
Brides.....	"	8 00	6 00	5 00	4 00	3 00	2 00	.....
Carnations.....	"	4 00	3 00	2 00	.....	.....	.....	.....
Callas.....	"	10 00	.....	.....	.....	.....	.....	.....
Easter Lillie.....	"	10 00	8 00	.....	.....	.....	.....	.....
Orchids, Cattleyas.....	"	50 00	35 00	.....	.....	.....	.....	.....
Lily of the Valley.....	"	4 00	3 00	.....	.....	.....	.....	.....
Iris.....	"	5 00	4 00	3 00	.....	.....	.....	.....
Sweet Peas.....	"	1 00	75	.....	.....	.....	.....	.....
Mignonette.....	"	4 00	3 00	.....	.....	.....	.....	.....
Tulips, assorted colors.....	"	3 00	2 00	.....	.....	.....	.....	.....
Jonquills.....	"	3 00	2 00	.....	.....	.....	.....	.....
Dalslea.....	"	1 00	75	.....	.....	.....	.....	.....
Asparagus Plumosus Sprays.....	"	4 00	3 00	2 00	.....	.....	.....	.....
Asparagus Sprenger Sprays.....	"	4 00	3 00	2 00	.....	.....	.....	.....
Mexican Ivy.....	"	75	.....	.....	.....	.....	.....	.....
Smilax.....	"	25 00	.....	.....	.....	.....	.....	.....
Adiantum.....	"	1 00	75	.....	.....	.....	.....	.....
Galax, Green or Bronze.....	per 1000	1 00	.....	.....	.....	.....	.....	.....
Ferns.....	"	3 00	2 50	.....	.....	.....	.....	.....
Peonies.....	"	8 00	6 00	4 00	.....	.....	.....	.....

FOR DECORATION DAY

We will have a large cut of all Seasonable Flowers and Greens.

OUR CARNATIONS

Are recognized by city buyers to be the finest seen in this market and the quality is exceptionally good for this season of the year. Can supply fancy white, red, deep pink and light pink shades, which we guarantee to be unsurpassed in this market.

Our Blue Ribbon Valley

is in a class by itself, far superior to any other sold in Chicago. Insist upon your wholesaler supplying you with Blue Ribbon Valley. If unable to procure same from him, send your order direct to us.

FANCY BUTTERFLY PEAS

in all shades and colors, besides large Yellow and White Daisies, Peonies, Lilies, Mignonette, Snapdragons, Candytuft and a fine cut of all the leading Roses: Beauties, Maryland, Jardine, Bulgarie, Richmond, White and Pink Killarney, and Kaiserin. For the best that this market affords and for stock that can be relied upon, send us your orders.

Quantity
and
Quality

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

Quantity
and
Quality

Detroit.

STOCK LIMITED.

The depletion of stock of all kinds as a result of the big trade Mother's day, and the cloudy, cold weather that followed during the past week, had the effect of keeping up stiff prices, for the limited stock obtainable. The quality, too, was poorer than at any time this spring, roses alone, maintaining fair quality as well as quantity. Sweet peas were not as attractive nor were carnations, up to the usual standard of merit. The progress of plant trade so nicely started early in the month was by the inclement weather materially hindered, and all are awaiting the lifting of the clouds and warmer weather, and even with the latter conditions flowers of all kinds will be scarce for Memorial day. The carnation growers being sure of a shortage.

CLUB MEETING.

The club meeting Monday evening, May 20, was attended by twenty members. The essayist for the evening, J. J. Kairins, was unavoidably absent, but the time was well spent in a general discussion of Mother's day trade, and perfecting plans for getting newspaper publicity in a similar way for exploiting Memorial day. The efforts of the club through its committees to popularize Mother's day were eminently successful, and gave encouragement for similar work for May 30. A fund was raised for advertising and placed in charge of R. Rahaley and J. F. Sullivan, and efforts will be made to cause the people to remember the departed by the free use of flowers in the cemeteries. R. H. Flowerday was elected to membership.

NOTES.

Mrs. Elizabeth Beard, mother of Edwin Beard of Beard Bros., died Saturday morning, May 18, at the ad-

vanced age of nearly eight-four years. The funeral was held Monday afternoon, May 20, interment at Woodmere Cemetery. A great number of floral emblems were sent, many of them from florists, and many of the latter attended the funeral.

M. Bloy is disposing of thousands of plants this week, by his low-priced cash sales, with no deliveries.

Mrs. Hugo Schroeter left May 21 for Boston and Newport, her old home, where she will remain several weeks.

Visitor: S. Seligman, New York.
J. F. S.

Nassau County Horticultural Society.

The regular monthly meeting of the Nassau County Horticultural Society was held at Pembroke hall, Glen Cove, on the evening of May 8, President Johnston in the chair. L. Hubbard of Glen Cove was elected to active membership. Communications were read from the following, offering special prizes for the coming fall show: D. Burns, Kohler Bros. and A. G. Hodenpyle. The judges, Everett Johnson and Robertson, examined the exhibits and made awards as follows: Six tomatoes, V. Cleres, first; three cauliflower, V. Cleres, first; three lettuce, V. Cleres, first. Exhibition of lettuce, F. Pettrocia; mushrooms, F. Pettrocia; radishes, J. Marmaroli, thanks of society; sweet peas, J. MacDonald, honorable mention.

The executive committee submitted a schedule for exhibits by the pupils of the public school at the dahlia show and the society made an appropriation of \$25 for the same. A. Herrington is to speak on out-door horticulture at the June meeting, and members should make every effort to have a good attendance. The society's prizes for that meeting will be for 12 hardy roses, 12 strawberries and vase of German iris. JAMES MACDONALD, Sec'y.

St. Louis.

A DULL MARKET.

The market was dull the first of the week but toward the latter part there was a decrease in supply which caused somewhat stiffer prices, but the quality is much poorer. Cape Jasmine are in but the buds are small. It is not expected that the supply of outdoor stock for Memorial day will be plentiful.

NOTES.

The annual floral sermon was preached at Christ's Church cathedral last Sunday. The church was beautifully decorated with rhododendrons and peonies. This service is held annually by provisions in the will of the late Henry Shaw.

Mrs. Marguerite Eggeling has a very pretty new store which was recently erected. Trade is very good and she is doing a satisfactory business. G. Eggeling has been ill but is around again.

Mullanphy, Florist, are doing a nice trade, and for the short space of time they have been in business have been very successful. Mr. Seeger and Mr. Kingley are both enterprising.

F. H. Weber has a busy time as vice president of the S. A. F. He hopes to swell the list of members and have a big delegation to attend the next convention.

The florists' union met at the House of Flowers of Ostertag Bros. at Coliseum City. This firm is strictly union and pays its employes overtime for extra work.

Grimm & Gorly and Ostertag Bros. furnished many elaborate designs for the funeral of Senator Kinnay, May 18.

W. C. Smith Wholesale Floral Co. are handling some very fine orchids.

Paris Floral Co. are doing a nice trade in the new store. W. F.

ROSES

Butterfly Peas and Carnations
BIGGEST CROPS EVER
ORDER OF US

AND WE WILL FIX YOU UP RIGHT. WRITE NOW.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

Long Distance Phones:
Randolph 2758.
Automatic 41770.

Chicago.

WANTED!

Peonies on Consignment

WRITE IMMEDIATELY OR BETTER YET
MAKE A SHIPMENT TODAY

THE CHICAGO FLOWER GROWERS' ASSOCIATION,

176 N. Michigan Ave.,

Telephones } Randolph 5449
Automatic 43-521

CHICAGO.

Philadelphia.

SOCIETY LEAVING THE CITY.

Things are beginning to look summery, folks going out of town, many are already away and the houses are boarded up. The result of this exodus is being felt to a degree by the stores with the fashionable trade and the wholesale dealers have quite a time disposing of their stock. The supply is about normal for the season, there is plenty of everything. American Beauties are offered very low in hundred lots, the quality of the stock being fine. Other roses are plentiful, but the quality is deteriorating with the warm weather. Carnations are not piling up much and are holding fairly well in price. Southern peonies are quite a factor as orders for almost any quantity can be furnished on a

day's notice, and quite large stocks were seen at all times the past week. Sweet peas were poor during the damp days of last week, but are showing better and new crops coming in will make a good showing in a few days. Some fine *Cattleya gigas* are seen; these were offered by the Jos. Heacock Co., being exhibition flowers.

NOTES.

The Lord & Burnham Co. have recently booked orders for pipe frame greenhouses for J. C. Schmidt, York; Miss G. C. Wakelin, Quinton, N. J.; Stevenson Bros., Baltimore, Md.; Albert Beckman, Raspeburg, Md.; Lemuel Ball Estate, Wisconsin, 22x125 feet, with two largest sectional hot water boilers. Iron frame houses for Harry A. Poth, Wayne, 20x50 feet. Coleman Du Pont, Wilmington, Del. Material for new iron and pipe frame

houses for Wm. H. Parker, Baltimore, Md., 30x150 feet; George Charman, Bethlehem, 35x160 feet; Hans J. Anderson, Baltimore, Md., 20x36 feet and 30x86 feet; Wm. A. Keaton, Andalusia, 40x75 feet, and large Burnham

The new greenhouse work is getting along nicely. George Anderson's new range of communicating houses are to take the place of old houses and adding about one-third more to the ground covered by increasing the length and taking up the space between the old ones is almost completed. The Lord & Burnham Co.'s house at Roele's, for the Jos. Heacock Co., is so far under way that it may be said to be finished and will be planted next week. The large Franklin house, 72x600 feet, at Yards, is also going up fast and will be finished in plenty of time for early planting.



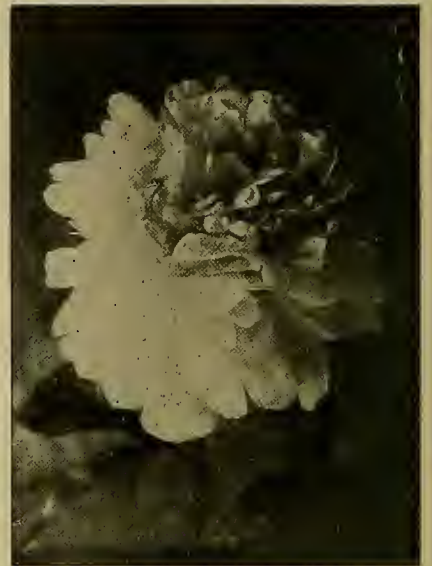
Decoration Day Specials

	Per 100
Peonies, fancy.....	\$ 7 00 to \$ 8 00
.. medium.....	5 00 to 6 00
.. good.....	4 00
Carnations, fancy.....	4 00 to 5 00
.. select.....	3 00
.. splits.....	2 00
Am. Beauties, specials.....	35 00
.. 30 to 36 in.....	20 00 to 25 00
.. 20 to 24 in.....	12 00 to 15 00
.. shorts.....	6 00 to 10 00
Roses, all varieties, specials.....	10 00
.. fancy.....	8 00
.. medium.....	6 00
.. shorts.....	4 00
Lilies, <i>Harrisi</i> and <i>Callas</i>	10 00 to 12 00
Sweet Peas, common.....	50 to 75
.. Butterfly.....	1 00 to 1 50
Ferns, fancy.....per 1000.	\$3 50 40

All Other Seasonable Flowers and Decorative Stock at Lowest Prices.

CHAS. W. McKELLAR

Phone L. D. Central 3598
22 E. Randolph St., CHICAGO



sectional hot water boiler; H. D. McCann, Paoli, 20x75 feet, and sectional hot water boiler; Edward H. Jacob, West Chester, 42x50 feet, and J. W. Marshall, Meridian, Miss., 18x70 feet.

Founders' day at Girard College, one of the institutions of this city for fatherless boys, took place May 20. The money for which was willed for the purpose by Stephen Girard in 1832. The fund originally amounted to about seven million dollars; it is now estimated at between sixty and seventy millions and growing fast. 1,600 boys are now in charge of the college, which in its years of service, has been of untold worth to the community. A farm of one thousand acres near the city is being secured with the idea of giving the boys a love for outdoor country life. Charles Cox, the superintendent of the grounds, had the flower beds and lawns in fine condition and had handsome plant decorations in the prominent buildings in honor of the day.

Henry A. Dreer received about a shipload of choice kentias, araucarias and bay trees the past week; it would have caused comment the length of the land a few years ago, but is now by them considered just a little addition to the stock to make up in lines that have been thinned out by the remarkable sales of this season, which so far have broken all records of the company.

Adolph Farenwald of Roslyn, president of the American Rose Society, sailed for Europe on May 14 from New York. He will take in the International Flower Show and visit the home of his birth, where Mrs. Farenwald will join him in June. K.

Rochester, N. Y.

The conditions in the wholesale market continue to be very satisfactory, but flowers are getting scarcer, though the quality keeps up well. Roses of all kinds are good, some exceptionally good American Beauties being received. The beautiful snapdragons which we have had for several weeks are almost at an end. White sweet peas of good quality, having exceedingly long stems, are received and are very useful for decorative purposes. Orchids have cleared out nicely, many having been used for funeral work, which most of the florists have had. Callas and Easter lilies are good, and lily of the valley is of fine quality.

Smilax is still very scarce, the supply being far below the ordinary requirements.

ASSOCIATION MEETING.

The monthly meeting of the Florists' Association was held May 13, when committees to prepare for the summer flower show were named, who will decide upon the date. The general committee selected consists of the local florists' organization and a large number of prominent citizens, the mayor included. President John Dunbar, in speaking of the early selections of committees; said that immediate organization and a survey of the field would be a great aid to the success of the flower show. It was decided at the last meeting to invite the Syracuse association and May 22 was recommended as the date for that visit. There is also a possibility of the Horticultural Society of St. Catharines, Can., paying us a visit with a delegation of about 250 to inspect Highland park, whom it is thought will arrive May 24, and a committee of eight members was appointed to meet them on arrival. President Dunbar gave a talk on the history of the narcissus, which was illustrated by showing 33 varieties in the nine groups of this flower. Following Mr. Dunbar, Professor A. C. Beal, assistant of Cornell University, was called upon to talk on sweet peas. He told of the disease that was being combated at Cornell, and then launched out into his real theme. He came primarily with the intention of interesting the local florists, amateur and commercial, in a centralized power for protection from harmful legislation at Albany. This state-wide federation offers a remedy for the existing evils and he hoped the Rochester organization would take the matter up. With Mr. Young, also of Cornell, he has been working on a revision of the premium list at the State Fair, and is boosting the experimental greenhouse project for Cornell. William Perie, head gardener for George Eastman, spoke on "Renovating of Old Lawns and How to Make a Good Lawn." This proved a very interesting talk and caused the asking of several questions. Colin B. Ogston introduced the following resolution in regard to the free distribution of seeds, which was adopted, and a copy sent to Representative Danforth:

"Whereas, certain distribution of the Department of Agriculture has gone beyond the limit of what congress (by law) originally intended, and whereas,

by that section since added, free distribution of seeds has become repugnant and vicious in its entirety, be it

"Resolved, That this society does condemn and oppose fearlessly this disreputable outrage committed on all floral, horticultural and agricultural societies, and we hereby send a report of this action to our representative, asking him to oppose this free seed distribution act, it being in direct opposition to which it was first intended."

This is possibly a beginning to a great end. What other societies will help us in our endeavor?

NOTES.

Chas. Curtis of Irondequoit is growing extra fine pelargoniums with which he supplies several of the leading florists.

Mrs. Edwin P. Wilson entertained the ladies of the Florists' Association at her home on Edgerton street Tuesday, May 14.

Henry P. Neun reports business as being fairly good and was very busy Saturday with funeral work.

H. E. Wilson has been rushed with funeral work all last week. Business is keeping up well. H. J. H.

Cincinnati.

SATISFACTORY CONDITIONS.

Everything good is cleaning up quickly, and some stock not of the best is selling. Only one exception should be made, and that is in lilies. The market on these continues very slow, the supply is large and sales only fair. Carnations are slowing up more every day and according to indications will be very short for Memorial day. At this writing they are almost all selling at sight. Roses, too, are selling fairly well, the good, clean stock is in demand, the offerings include Pink and White Killarney, Brides, Bridesmaids, Richmond, Rhea Reid, Ivory and Golden Gates. American Beauties are selling nicely. The sweet pea supply has let up considerably and they are running short of the call. The supply of lily of the valley and the demand is about even. Orchids are moving nicely. Both large and miniature gladioli clean up regularly and are much in demand. Other flowers are peonies, pansies, stocks and marguerites. According to reports there will be plenty of peonies for Memorial day.

FOR DECORATION DAY

We have made special arrangements for Large Supplies all along the line, and will as usual be "HEADQUARTERS" for all kinds of Cut Flowers and Greens. We can fill any size order. Remember you have all to gain and nothing to lose in placing your Memorial Day order now.

Prices on Cut Flowers:

ROSES—American Beauties.		Per Doz.			Per 100.
Select	.....	\$3.00 to	\$4.00	Callas	..... 12.50
Medium	.....	1.50 to	2.50	Harrisii and Longiflorum	..... 12.50
Short	.....	.75 to	1.00	Sweet Peas	..... .60 to 1.25
				Gladioli, per doz., \$1.50	..... 10.00
		Per 100.		Tulips	..... 2.00 to 4.00
Richmond	.....	\$4.00 to	\$8.00	DECORATIVE STOCK.	
Killarney	.....	4.00 to	8.00	Ferns—Adiantum	..... \$1.00
White Killarney	.....	4.00 to	8.00	Common Faucy, per 1000	..... 3.00
Bride, Bridesmaid, Kaiserin	.....	4.00 to	8.00	Galax Leaves, per 100, 15c; per 1000	..... 1.00
Golden Gate	.....	4.00 to	8.00	Asparagus Plumosus, select strings, each, 50c to 60c; sprays, bunch, 35c to 50c. Sprengeri, bunch, 25c to 50c. Boxwood, bunch, 25c; 100 lbs., \$15.00.	
Perle	.....	4.00 to	8.00	Smilax, select, per doz.	..... \$2.50 to \$3.00
Our Selection, assorted	.....	4.00 to	4.00	Subject to Change Without Notice.	
Extra Select	.....	8.00 to	10.00	SPECIAL ASSORTMENT FOR CEMETERY DECORATION.	
Carnations—Extra Select	.....	4.00 to	5.00	At this season of the year we have liberal supplies of miscellaneous flowers quite suitable for above named purpose and solicit orders for assortments of \$5.00 worth and upward. We will give you good value. These lots will include standard stock, such as Roses, Carnations, Greens, etc.	
Good average quality	.....	4.00 to	3.00		
MISCELLANEOUS.		Per 100.			
Peonies, extra fancy white, per doz., \$1.00	.....	\$4.00 to	\$6.00		
Peonies, red, pink, white, per doz., 50c to 75c	.....	3.00 to	4.00		
Valley, Extra select	.....	.75 to	1.00		
Marguerites	.....	1.00 to	1.50		
Forget-Me-Not	.....	.50 to	1.00		
Fansies	.....			

Florists' Supplies.

Magnolia Leaves, green and bronze; Magnolia Wreaths, green and bronze; Cycas Wreaths, Ruscus Wreaths, Moss Wreaths, Immortelles, Cemetery Vases, Hanging Baskets, Etc., etc.

Have You Our Catalogue? It Lists and Prices a Full Line of Supplies.

E. F. WINTERSON CO.

166 North Wabash Avenue, CHICAGO

Large Supply of Stock

ROSES, CARNATIONS, PEONIES, GLADIOLUS, SWEET PEAS, TULIPS and GREENS of all Kinds

Memorial Day Price List

AMERICAN BEAUTIES.		Per Doz.					
Specials	.....	\$4.00		KILLARNEY, select	.....	\$8.00	ORCHIDS, Cattleyas, per doz.
36-inch	.....	3.00		Fancy	.....	6.00	.....
30-inch	.....	2.50		Medium	.....	4.00	CALLAS
24-inch	.....	2.00		Good short	.....	3.00	.....
20-inch	.....	1.50		WHITE KILLARNEY, select	.....	8.00	TULIPS
15-inch	.....	1.25		Fancy	.....	6.00	.....
12-inch	.....	1.00		Medium	.....	4.00	SPANISH IRIS
Short stem	.....	per 100, \$4.00 to 6.00		Good short	.....	3.00	.....
		Per 100		PEONIES, Extra special	.....	8.00	VALLEY
RICHMOND, select	.....	\$8.00		" Special	.....	6.00	.....
Fancy	.....	6.00		" Good	.....	4.00	MIGNONETTE, large spikes
Medium	.....	4.00		CARNATIONS.			.....
Good short	.....	3.00		Fancy White and Red	.....	\$4.00 to 5.00	SWEET PEAS, common
				Firsts	.....	3.00	.....
				Common splits	.....	2.00	ADIANTUM CROWEANUM
						
							SMLAX
						
							SPRENGERI
						
							PLUMOSUS SPRAYS
						
							PLUMOSUS STRINGS
						
							FERNS
						
							GALAX
						
							LEUCOTHOE
						

ERNE & KLINGEL,

30 E. Randolph St.,

L. D. Phone Randolph 6578

Chicago.

Cincinnati.

CLUB MEETING.

The regular meeting of the Florists' Society was held on Monday evening, May 13, at its club rooms, with President Gus. Adrian in the chair. Alex. Ostendary read the report of the committee who audited the Flower Show Committee's books and report, and complimented Secretary Geo. Bartlett upon the way in which they were kept. A committee consisting of Chas. H. Hoffmeister, chairman; Roy Murphy, A. C. Heckman and A. H. Hoffmeister was appointed to arrange for

the annual outing. This outing will be given by the Bowling Club of the society. After the meeting, at a social session, we were informed of a visit by the stork to the home of Wm. Schumann that morning where a boy was left. All those present took occasion to call up the happy and proud papa and offered their heartiest congratulations and also much advice.

The Bloomhurst Floral Co. of Lockland are cutting very excellent roses. All their stock is good and clean.

C. E. Critchell is having a good run on orchids and lily of the valley.

Geo. Klotter of West Price Hill is cutting very good outdoor sweet peas. He started them in hot beds and took off the sash when the weather opened.

W. R. Miller has bought C. H. Dohrmann & Co.'s greenhouses in Covington, Ky.

Visitors: John Meyers, Lowell, Mass.

DES MOINES, IA.—Dr. Fletcher, dahlia specialist of the W. K. Fletcher Bulb & Floral Co., was thrown from a wagon, breaking two ribs and being otherwise severely injured during the latter part of April.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

68 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

produced in great abundance until late in autumn, they are carried erect on long stiff stems, and are very lasting, even when cut. The plant, pure tea by the pollen parent, is of good vigor and possesses a very decorative foliage. It seems to have a great future for all purposes. During the past abnormally warm, dry summer it did admirably in the open, blooming incessantly, and producing perfect well-colored flowers.

Gardening for Soldiers.—By a special decree of the Austrian War Office fruit and vegetable gardens are to be formed on waste ground around barracks, drill yards, rifle ranges, etc. The soldiers will be encouraged to cultivate these in their spare time, and any profits derived from them will be divided among the men. It is hoped that the plan will not only provide the soldiers with a profitable and interesting occupation in their spare time, but will enable them to learn much that will be an advantage to them on their return to civil life. A similar plan has proved most successful in Germany.

Hellebores As Cut Flowers.—A delightful flower for cutting at this time is the Christmas rose, and the best leafage to use with it is that of the mahonia, the rich bronzy chocolate color bringing out the clear whiteness of the hellebore. It would be better if less reliance were sometimes placed upon maiden-hair fern—useful, of course, but not essential, as such things as the mahonia in the case of Christmas roses and many other flowers give a splendid contrast or association of colors.

Hyacinthus Candicans in Combination with Cannas.—This Gaitonia or Cape Hyacinth, which carries its flowers three to four feet high, is novel and pretty mixed with cannas. If started about April 15, three or four in a 5-inch pot, they will be ready to plant out with the cannas, and will blossom with them; the pots may be sunk in the earth to the rim. In the park of Versailles the proportion is of 10 pots of the hyacinths to 100 cannas, but any desired arrangement can be used.

Public Agricultural Horticultural Schools for Young Girls have been established in Belgium, Germany, England, and now in France. On the theory that the farmer's wife is the logical manager of the housework, the dairy, the poultry yard, and also of the vegetable and flower gardens, preparation is to be given her for this added responsibility.

Viburnum rhytidophyllum. — This new viburnum grows slowly, hardly more than 3½ feet high, and is decorative for its persistent lanceolate foliage and erect, rather stiff, habit. Its flowers are insignificant, fruiting in a

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, May 22.		Per doz.
Roses, Beauty, specials.....	3 50@4 00	
" " 36-in.....	3 00	
" " 30-in.....	2 50	
" " 24-in.....	1 50@2 00	
" " 15-20-in.....	1 45	
" " 12 in.....	1 00	
" " Short.....	Per 100	
" Killarney.....	4 00@8 00	
" White Killarney.....	4 00@10 00	
" Richmond.....	4 00@10 00	
" Prince de Bulgarie.....	6 00@12 00	
" Mrs. Aaron Ward.....	6 00@12 00	
" My Maryland.....	4 00@10 00	
" Melody.....	6 00@12 00	
" Bride.....	4 00@10 00	
" Bridemaid.....	4 00@10 00	
" Uncle John.....	3 00@6 00	
" Mrs. Jardine.....	4 00@8 00	
Carnatione.....	2 50@5 00	
Callas.....per doz., 1 50@2 00		
Cape Jasmine.....	1 50@3 00	
Cattelyas.....per doz., 6 00@7 50		
Daisies.....	1 00@1 50	
Dendrobium Nobile.....	10 00@12 50	
Gardenias.....	2 00@4 00	
Gladioli.....per doz., 1 00@1 50		
Lilium Baby.....	4 00@5 00	
Lilium Harrisii.....per doz., 1 50		
Mignonette.....	4 00	
Narcissus.....	2 00	
Spanish Iris.....	4 00@6 00	
Sweet Pea.....	75@1 50	
Peonies.....	4 00@8 00	
Tulpa.....	2 00@3 60	
Valley.....	3 00@4 00	
Adiantum Croweanum.....	1 00	
Ferns.....per 1000, 3 00@3 50		
Galax bronze.....	1 25	
Leucothoe.....	75	
Plumosa String.....each,	60	
Smilax.....per doz., 2 50@3 00		
Sprengerl. Plumosa Sprays.....	3 00@4 00	

small red berry. Of Chinese origin, hardy.

New Stock, La Brillante.—Large-flowering. A new coloring in stocks—a bright crimson red. As striking as the new "Nuit d'Ete," an intense dark violet.

Percy Jones

56 E. Randolph St., CHICAGO

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Zech & Mann

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Telephone, Central 3284.

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Wholesale Growers of **Cut Flowers**

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ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

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Princeton, Ill.

**NEW CROP
NEAR-BY**

DAGGER FERNS

Splendid Stock. None Better at Any Price.

\$2.50 per 1000. \$2.25 per 1000 in lots of 5,000

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HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,
Tulips, Peonies, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS



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We Can
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Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

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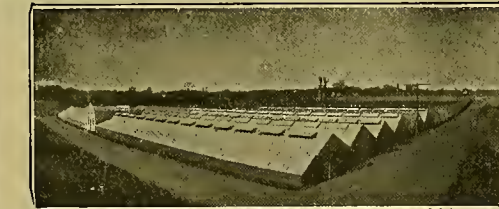
Wholesale Flower Markets

BUFFALO, May 22. Per 100

Roses Beauty, special	25 00@30 00
" " fancy	20 00@25 00
" " extra	12 00@15 00
" " No. 1	8 00@10 00
" " No. 2	3 00@ 5 00
Boo Sileas	2 50@ 3 00
Perle	5 00@ 8 00
Maid and Bride	3 00@ 6 00
Pink Killarney	3 00@ 8 00
White Killarney	3 00@ 8 00
Richmond	5 00@ 8 00
My Maryland	3 00@ 8 00
Carnations	1 50@ 3 00
Callas	8 00@10 00
Daffodils	1 00@ 2 00
Daffodils, Single	1 00@ 2 00
Daisies, white and yellow	1 00@ 1 50
Lilium Longiflorum	8 00@10 50
Lily of the Valley	3 00@ 4 00
Mignonette	2 00@ 3 00
Myosotis	15c to 35c per bunch
Panacea	10 to 25c per bunch
Snapdragon	8 00
Swainsona	1 00@ 1 50
Sweet Peas	50@ 1 00
Tulips Yellow and White	1 00@ 2 00
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch	35@ 50
Asparagus Sprengeri	35@ 50
Smilax	15 00

PITTSBURG, May 22. Per 100.

Roses, Beauty, special	25 00
" " extra	12 00@25 00
" " No. 1	6 00@10 00
" " Bride Bridesmaid	2 00@ 4 00
" " Chatenay	2 00@ 4 00
" " Killarney	2 00@ 4 00
" " My Maryland	2 00@ 4 00
" " Richmond	2 00@ 4 00
Carnations	1 50@ 2 00
Cattilays	50 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50
Violets, single	25
" double	50
Adiantum	1 00
Asparagus Sprengeri, per bunch	35
" " sprays	35



**A Good Place to Buy Cut Flowers,
Palms, Ferns**

Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

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Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Mention the American Florist when writing

MILWAUKEE, May 22.

Roses, Beauty, per doz.	1 00@ 4 00
" Killarney	4 00@10 00
" Richmond	4 00@10 00
" White Killarney	4 00@10 00
Carnations	2 00@ 6 00
Daffodils	2 00@ 3 00
Daisies	75@ 1 00
Lilium Gigantum	8 00@10 00
Lily of the Valley	3 00@ 4 00
Peonies	6 00@ 8 00
Poeticus	2 00
Snapdragons, per bunch	50@ 1 00
Spanish Iris	6 00
Sweet Peas	75@ 1 50
Tulips, Single	3 00
Asparagus	50
" Sprengeri per bunch	35
Ferns, Fancy, per 1000	3 00@ 4 00
Galax, per 1000	1 50
Smilax, per doz.	2 00@ 2 50

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Removed to
1608 Second Ave., SEATTLE, WASH
Everything in Cut Flowers, Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

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**EVERYTHING
SEASONABLE**

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Good Luck—Four-Leaved Clovers

Plant keeps well, requires little care, excellent seller, suitable for any occasion—birthday, wedding, sick room, traveler, or any event where a good luck wish is in place. Introduced in New York this Easter and taken up by the Public with great enthusiasm.

SPECIMEN PLANTS, \$24.00 per doz., SEEDLING PLANTS, \$35.00 per 100, \$6.00 per doz.

\$2.00 plants all sold, good plants 3½ in. pots, \$12.00 per doz. Seedlings much stronger than they have been.

Large Plants Retail at \$5.00 each. Small Plants at \$2.00 each.

For Sale by **Julius Roehrs Co., Rutherford, New Jersey** or **Max Schling, 22 W. 59th St., New York City**

New York.

STOCK ACCUMULATING.

The wholesale cut flower market is in a very discouraging condition. There seems to be no active call for anything. The supply of American Beauty roses far exceeds the demand; the varieties most called for are Mme. Chate-nay, Lady Hillingdon, Radiance, Prince de Bulgarie and Mrs. Aaron Ward. Brides and Bridesmaids as usual are cleared out with difficulty at very low prices. Carnations have taken a decided drop in price, but the outlook is that there will be a large call for these from out of town for Memorial day, and prices will be much higher towards the end of the week. But it is with orchids that the worst conditions prevail. The finest cattleyas have been sold in large lots as low as ten dollars per hundred. The market is overstocked with lily of the valley of the very best quality. Sweet peas, stocks, antirrhinum, mignonette, pansies are accumulating with all the dealers. The supply of callas and longiflorum and rubrum lilies has shortened up and prices on these are steadier. Out-door lilac is very much in over supply, and prices obtained for large shipments are very low. Peonies are getting plentiful, but the quality is very poor. Smilax, asparagus and adiantum meet with the usual indifferent demand.

Monday noon, November 12.—The weather is all that can be desired. Stock is not overplentiful but there is only a small demand, and only small lots of selected stock are bringing anywhere near top quotations.

NOTES.

F. C. Scherer of 55 West Twenty-sixth street, is now receiving fine American Beauty roses from Carl Jurgens, Newport, R. I. In addition to roses, Mr. Scherer receives heavy shipments of the very finest bulbous stock from the same place.

J. J. Coan, manager of the Growers' Cut Flower Co., reports many large orders for carnations for Memorial day. Just at present this company is receiving large shipments of carnations, lilies and sweet peas of the very best quality.

There have been column articles in the daily press regarding the four-leaved clover that is being distributed by Max Schling and grown by Julius Roehrs Co. Mr. Schling reports an unprecedented demand for these plants from all sections of the country.

Philip F. Kessler, chairman of the outing committee, has completed arrangements for that affair and the outlook is now that it will be most successful ever held by the New York Florists' Club.

H. M. Robinson & Co. are having an active call for their many novelties in the rose line. Mrs. Aaron Ward seen at this establishment being especially fine.

B. S. Slimm, Jr. has rented space on the top floor of the Coogan building in the Cut Flower Exchange and will be a close neighbor of Philip F. Kessler.

IMPORTERS

HENRY M. ROBINSON & CO.

Wholesale Commission Florists and Florists' Supplies

46 West 26th Street, - NEW YORK

A large stock of Bay Trees, Boxwoods, Rhododendrons, Azaleas, Roses, Evergreens, Climbing, Vines, etc., on sale at our new William Street Show and Salesroom. Inspection invited.

P. H. GOODSSELL W. E. MAYNARD

200 Broadway, NEW YORK CITY

Manager Sales Department
157-159 William St. (Basement)

James Coyle has his store at 116 West Twenty-eighth street completely fitted up and is prepared to handle first-class stock of all kinds.

Wertheimer Brothers report business exceptionally good, stating they have never before opened as many new accounts among florists.

Patrick Welch of Boston has been in town several days making arrangements for shipments of carnations for Memorial day.

A. M. Henshaw is residing in East Orange until the completion of his new house which he is building in South Orange.

Paul Meconi is receiving fine cattleyas and gardenias from the Beechwood Heights Nurseries.

Wadley & Smythe will open their Newport branch on June 1. Y.

Washington.

COOL WEATHER RETARDS OUTSIDE STOCK.

The weather of the past week was very cool and wet and tended to retard peonies and other outside stock from blooming, but the sun is out again and the indications point to an oversupply for this week. Growers are hoping for a good supply for Memorial day, ten days hence. Notwithstanding dull weather, there has been a bountiful supply of all salable, and some rather unsalable, stock. In comparison, American Beauty roses are about the cheapest things on the market. They are so cheap that the long stems are being cut off and the residue sold for short stems, but even at that they are scarcely on a par with good Killarney. The best selling roses on the market at present are Red Killarney and Mrs. Taft, but the supply is not large. The local supply of roses is rather indifferent in quality but good stock is coming in from the north. My Maryland, once believed to be a good summer rose, is now in the discard, so far as this market is concerned. As a matter of course, good Killarney and White Killarney sell, but for a summer rose the latter is far behind Kaiserin Augusta Victoria. The supply of peonies for the past week was about right, owing to previously mentioned weather

EXPORTERS

conditions. Retail prices on peonies range from \$1.00 to \$3.00 per dozen. The German and Spanish iris is now a factor in the market and is being made useful. Carnations are holding out well though deteriorating in quality, but not as much as might be expected at this season. Sweet peas are abundant and of very fine quality.

NOTES.

Z. D. Blackistone had the decoration for the Dolly Madison breakfast at Rauscher's on May 20. To explain what the "Dolly Madison" breakfast means, I quote from a local paper. "Feminine Democracy, composed of wives of the politicians whose choice lies between Clark, Wilson, Underwood and Harmon, will assemble at a 'harmony breakfast,' to be given at Rauscher's at 12:30 o'clock today in honor of Dolly Madison." However, Blackistone's decoration, all in pink, was very fine and doubtless inspired the fair politicians to fervid eloquence and hopeful views.

The Washington Florist Co. will soon take possession of its new store on H street between Fourteenth and Fifteenth streets. Through the courtesy of Manager Otto Bauer we recently had an opportunity of looking through this fine store. There will be elegant facilities for business and display and no pains have been spared to make it a strictly first-class store.

Alex. B. Garden is having a very fine cut of the best varieties of peonies. Having 20 acres of land, Mr. Garden is well prepared for the production of outdoor stocks and each year increases his output, both in quantity and quality.

It is stated that Elmer Mayberry has entered suit for heavy damages against the people who ran him down with an auto. A. F. F.

MADISON, N. J.—The regular meeting of the Morris County Gardeners' & Florists' Club was held May 8 in Masonic hall. William Tricker read a paper on "Aquatics." Alexander McClellan delivered an address on "Dahlias," and Albert Baldwin on "Early Flowering Chrysanthemums."

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109 West 28th Street, NEW YORK

Everything in Cut Flowers.
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34 West 28th St., NEW YORK.
PHONES 1684 1665 } Madison Sq. Consignments Solicited

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Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.
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A. L. YOUNG & CO.

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OFFICIAL S. A. F. Shipping Labels

FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Paul Meconi

Wholesale Florist
55-57 West 26th Street
NEW YORK CITY
Telephone: 3864 Madison Square
Mention the American Florist when writing

Wholesale Flower Markets

NEW YORK, May 22, Per 100

Roses, Beauty, special.....	15 00@20 00
" extra and fancy...	8 00@15 00
" No. 1 and No. 2....	2 00@ 6 00
" Bride, Bridesmaid, special.	1 00@ 4 00
" extra and fancy.....	2 00@ 3 00
" No. 1 and No. 2.....	50@ 1 00
" Killarney, My Maryland..	4 00@ 6 00
" extra and fancy, 2 00@	3 00
" No. 1 and No. 2. 1 00@	1 50
" Richmond.....	1 00@ 6 00
Carnations.....	1 00@ 3 00
Cattleyas.....	10 00@25 00
Gardenias.....	2 00@15 00
Lilies, Longiflorum and Harriaii..	2 00@ 6 00
Lily of the Valley.....	2 00@ 3 00
Sweet Peas.. per doz, bunches, 25@	75
Adiantum Croweanum....	50@ 1 00

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,
Telephone No. 756
Madison Square. NEW YORK

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.
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CUT FLOWERS
WHOLESALE PLANTSMEN AND FLORISTS
phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited
Mention the American Florist when writing

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Successor to FORD BROS.
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American Beauty Roses a specialty, Ruses, Violets, Carnations, Valley, Lilies, Etc.
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FRESH CUT EVERGREENS
and Mosses, Decorating Material for Florist Trade, at Wholesale.
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WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
131 & 133 West 28th St., NEW YORK

1888 1911

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Wholesale Florists
110 West 26th Street,
Tel. 551 Madison Square NEW YORK
CONSIGNMENTS SOLICITED

WILLIAM H. KUEBLER

Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby Street,
BROOKLYN, N. Y.
Tel. 4591 Main.

Decoration Day

Greatest Floral Holiday of the Year

Your customers will want more flowers and better flowers than ever before.
You can supply their wants if you

Buy From WELCH BROS. — The — RELIABLE HOUSE

We shall control the largest and best stock of flowers of any wholesale dealer in the country. **40,000 Astilbe, 100,000 Carnations, 75,000 Roses, Lilies, Stocks, Lilacs, Lily of the Valley, Tulips, Sweet Peas, Pansies.**

Unlimited Quantity—Top Quality

Stock Up Now

on Ferns, Galax, Cycas, Leucothoe, Wire Designs, Immortelles, Sheaves, Wreaths, Boxes, Ribbons, Doves, and the thousand and one other things you will need for this big day. We can supply them all, and as low as you can buy anywhere.

WELCH BROS. 220 Devonshire St. BOSTON

Boston.

A DULL MARKET.

Some say it is more pleasant to give than to receive. In the market neither the giving nor the receiving part is pleasant. Whether it was the aftermath of the high prices of last week that led the people to tie their purse-strings tight, and bemoan the high cost of living and dying, or whether it is getting ready for the next squeeze on Memorial day, we cannot say, but we have had a dull market. Cannot some of our bright lights tell us for nothing, "but genuine love for the trade," why it is there is always a depression after a holiday? A hero medal awaits the solver of the problem. Roses the past week have been slow. Carnations are to be top-notched again Memorial day. Outside flowers if the cool weather continues ought to be in prime condition and that will help out. Memorial day is for rich and poor alike, a day that brings all to one thought and level, and extortionate prices ought to be frowned upon unless it is something scarce and rare, and the buyer has money to burn. There is more harm done by some fresh salesmen and salted flowers.

NOTES.

N. F. McCarthy & Co. have moved into their new quarters on Otis and Arch streets. It is more conveniently located than the old stand, and Mr. McCarthy has not lost any of his old-time crispness as an auctioneer.

Some of the best white stocks we have seen for years are those grown by John McFarland. Quality is usually on John's side in whatever he grows, orchids included.

We are having a breathing spell from the rain and hope it may continue for some time. Carnations are being put in the field.



FANCY FERNS, \$2.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$2.50
Lencothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze Baaket, \$2.25; 6 baskets. \$2 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,
713-717 Milwaukee Ave., CHICAGO

Live Sphagnum Moss

Finest quality for mixing with peat or for top dressing.

THE C. W. BROWNELL CO.,
WALDEN, N. Y.

It is reported that — O'Brien of Wellesley has purchased the W. J. Dana greenhouses and land at Wellesley Hills.

Everyone is preparing for Memorial day. MAC.

MONTCLAIR, N. J.—The third Jarvie garden contest will be inaugurated shortly. Mr. Jarvie has again contributed \$500 for prizes for the best gardens in each of the several wards of the town.

George Cotsonas & Co.

Wholesale and Retail Dealers

In all kinds of

Evergreens
Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Lencothoe Sprays,
Princess Pine, Etc..

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSSES**

E. A. BEAVEN, Evergreen, Ala.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax. New crop Fancy and Dagger Ferns will be ready May 5th to 10th, we are booking orders now. Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN,

ALA.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

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Brooklyn, New York.

"WILSON"

4 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
— Delivered in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Nashville, Tenn.

JOY FLORAL CO.

200,000 Square Feet of Glass.
... 601 Church St.

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S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephones and Telegraph orders filled promptly with the choicest stock.

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San Francisco, Calif.

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Successor to Sievers & Boland
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60 KEARNEY STREET.

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Telephone
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S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

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A. LANGE,

25 E. MADISON ST.

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Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
628 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



A sign like this in your window will draw good Business now.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

May 28.

Rotterdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wilhelm II., No. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM BOSTON, Laconia, Cunard, East Boston Dock.

FROM PHILADELPHIA, Prinz Oskar, Ham.-Amer., 11 a. m., Hoboken Pier.

May 29.

Lusitania, Cunard, Piers 54 and 56, North River.
Moltke, Ham.-Amer., 10 a. m., Hoboken Pier.
FROM BOSTON, Cretic, White Star, 10 a. m., Charlestown Dock.

May 30.

Adriatic, White Star, 12 noon, Piers 59 and 60, North River.

France, French, 10 a. m., Pier 57, North River.
K. Auguste Victoria, Ham.-Amer., 10 a. m., Hoboken Pier.

Germania, Fabre, 3 p. m., Brooklyn Dock.

May 31.

FROM QUEBEC, Empress of Britain, Can. Pac., 3:30 p. m.

June 1.

Coronia, Cunard, Piers 54 and 56, North River.
Majestic, White Star, 12 noon, Piers 59 and 60, North River.

Zeeland, Red Star, 10 a. m., Pier 61, North River.

St. Paul, Amer., 9:30 a. m., Pier 62, North River.

Caledonia, Anchor, 9 a. m., Pier 64, North River.

FROM MONTREAL, Pretorian, Allan.
FROM MONTREAL, Canada, White Star-Dom., daylight.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL,
Western Union Code.

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New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET:

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42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

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L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.**

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John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members of Florists' Telegraph Delivery
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WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.
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Kansas City, Mo.

Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention
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Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heisl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders.
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Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS

..... 241 Massachusetts Ave.
Members of the Florists' Telegraph Delivery.

Denver, Colo.

The Park
Floral Co.J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

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Boston, Mass.



"Penn, The Telegraph Florist"

Members of Florists' Telegraph Delivery Ass'n.

37-43 BROMFIELD STREET.

Name Index to Retail Florists
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Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Haberman, Charles, New York.
Hatcher, Florist, Amaterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heisl & Son, J. G., Terre Haute, Ind.
Hosa & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Joy Floral Co., Nashville, Tenn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kitt, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alax, New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, The Florist, 43 Bromfield St., Boston.
Podesta & Baldocehi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City.
Saakea, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schilling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfkall Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nigent, New York.
Young's, 1406 Olive, St. Louis, Mo.

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Established 1874.

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and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

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20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are always night and day.

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WILLIAM L. ROCK
Flower Co.

Will execute orders for any town in

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304 Main Street.

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Terre Haute, Ind.

John G. Heisl & Son,
129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

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550 So. Fourth Avenue.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M. A. Bowe

IN THE HEART OF NEW YORK CITY.
Phone 6404 Madison Sq. 6 East 33d St.
Our Motto—THE GOLDEN RULE

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Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dia. Phones.

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KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

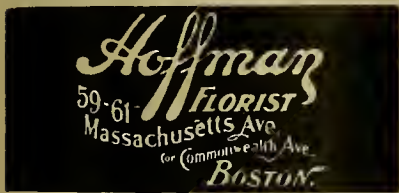
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THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention Choice Beauties, Orchids and Valley always on hand

Atlanta, Ga.

Allanta Floral Co.

41 Peachtree Street.

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson
Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

City Index to Retail Florists
Filling Telegraph Orders.

- Albany, N. Y.—Eyles, 11 N. Pearl St.
- Amsterdam, N. Y.—Hatcher, Florist.
- Anderson, S. C.—The Anderson Floral Co.
- Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
- Boston—Thos. F. Galvin, Inc., 124 Tremont St.
- Boston—Hoffman, 59-61 Mass. Ave.
- Boston—Penn. the Florist, 43 Bromfield St.
- Brooklyn, N. Y.—S. Maaur.
- Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
- Buffalo, N. Y.—S. A. Anderson, 440 Main.
- Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
- Chicago—Alpha Floral Co.
- Chicago—Mangel, 17 E. Monroe St.
- Chicago—A. Lange, 25 E. Madison St.
- Chicago—Schiller The Florist, 2221 W. Madison.
- Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
- Chicago—Witthold's, 56 E. Randolph St.
- Cleveland, O.—The Cleveland Cut Flower Co.
- Cleveland, O.—The J. M. Gasser Co.
- Colorado Springs, Colo.—Frank F. Crump.
- Dallas, Tex.—Texas Seed and Floral Co.
- Dayton, O.—Matthews, 16 W. 3rd St.
- Denver, Colo.—The Park Floral Co.
- Des Moines, Ia.—Alpha Floral Co.
- Detroit, Mich.—John Breitmeyer's Sons.
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- Grand Rapids, Mich.—Henry Smith.
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- Kansas City—Samuel Murray.
- Kansas City—Wm. L. Rock Flower Co.
- La Crosse, Wis.—La Crosse Floral Co.
- Little Rock, Ark.—Veatal's, 409 Main St.
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- Los Angeles, Calif.—O. C. Saakes.
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- Louisville, Ky.—F. Walker & Co., 634 4th Ave.
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- New York—D. Clark's Sons, 2139 Broadway.
- New York—Dard's, 44th and Madison Ave.
- New York—Alex. McConnell, 611 5th Ave.
- New York—Charles Habermann.
- New York—Myer, Florist, 609 Madison Ave.
- New York—Max Schling, 22 W. 59th St.
- New York—Frank Valentine, 158 E. 110th.
- New York—Young and Nugent.
- Omaha, Neb.—Hess & Swoboda, Farnum St.
- Philadelphia—Robert Kift, 1725 Chestnut.
- Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
- Poughkeepsie, N. Y.—The Saltford Flower Shop.
- Rochester, N. Y.—J. B. Keller's Sons.
- Schenectady, N. Y.—Hatcher, Florist.
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- St. Louis, Mo.—F. H. Weber.
- St. Louis, Mo.—Young's, 1406 Olive St.
- St. Paul, Minn.—Holm & Olson.
- St. Paul, Minn.—L. L. May & Co.
- San Francisco—J. B. Boland, 60 Kearney St.
- San Francisco—Podesta & Baldocchi.
- Terre Haute, Ind.—J. G. Helm & Son.
- Toledo, O.—Mrs. J. D. Freeman.
- Toronto, Can.—Dunlop's, 69 Yonge St.
- Washington—Geo. H. Cooke, Conn. Ave. and L.
- Washington—Gude Bros.
- Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones:

1552-1553 Columbus Choice Cut Flower's

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in **NORTHERN OHIO.**

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
98 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

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Send your orders for Chicago and Suburbs to



222-2223 W. Madison St.
CHICAGO.

All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

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Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,

The Arcade Florist.

Greenhouses
Granville O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Mention the American Florist when writing

Seattle, Wash.

L. W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Mention the American Florist when writing

Rockford, Ill.

H. W. Buckbee

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Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

The Early

Advertisement

Gets There.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Omaha, Neb.

Hess & Swoboda

FLORISTS,

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1501 and L 1582

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40

Careful Attention To All Orders.

NEWBURGH, N. Y.—Charles A. McCloy, formerly with the Newburgh Floral Co., has opened a store on Broadway.

NEW HAVEN, CONN.—Joseph J. Sokel has purchased a White motor delivery car to assist in giving his patrons prompt service.

CRAWFORD, N. J.—Mrs. L. Ussing has sold the business conducted by her late husband for 25 years to Joseph Megary, who will assume charge July 1.

PITTSBURG, PA.—The Blind Floral Co. has been issued a charter of incorporation. The capital stock is \$10,000 and the incorporators are Conrad Blind, A. E. Davis, and E. L. McGrath.

BENNINGTON, VT.—The prices were lower at Easter this year than last, states L. C. Holton, but the business increased about thirty per cent. There was a good supply of both plants and flowers, the demand for violets and roses, however, was in excess of the home supply. Lilies were the pot plants most in demand and tulips, hyacinths and other bulb stock in pans sold finely. Carnations had a good call, but roses sold slowly.

SPRINGFIELD, MASS.—The Easter trade was about ten per cent greater than last year, states William Schlatter & Son. Prices were about the same and the supply of both plants and flowers was adequate to meet the demand. The largest call was for lilies, azaleas, rambler roses and bulbous stock, in fact all first-class plants sold well. In cut flowers, violets and sweet peas were most in demand and there was quite a falling off in the sale of carnations. There was an increased demand for plant baskets.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1338. Camb. Main 1338 A.

.....634 Fourth Avenue.

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2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

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The Most Central Location in City.

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CUT FLOWERS AND PLANTS.

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1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

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Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

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Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

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MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

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WITTBOLD'S

New Display Rooms, 56 E. Randolph Street
CHICAGO

Flowers Palms Decorations
Rented or Sold

Phones: Randolph 4708 Nursery, Rogers
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Dreer's Hardy Perennial Phloxes



We are headquarters for **Hardy Perennial Phloxes**, and can still furnish splendid one-year-old plants in three-inch pots, in prime condition for present planting, in the varieties noted below :

General Collection of Choice Hardy Phlox.

Price of any of these varieties, \$5.00 per 100; \$40.00 per 1000.

- Albion** (Medium). One of our own introductions, producing very large panicles of pure white flowers, with a faint aniline-red eye.
- Bacchante** (Tall). Tyrian rose, with crimson-carmine eye.
- Bridesmaid** (Tall). White, with large crimson-carmine centre.
- Clara Benz** (Dwarf). Lovely carmine-rose, with darker eye.
- Colibri** (Tall). White, with crimson-carmine center; very late.
- Consul H. Trost** (Medium). Pure red, with bright French-purple eye.
- Champs Elysees** (Dwarf). A very bright rosy magenta.
- Caran d' Ache** (Medium). Geranium-red, with old rose shading and white eye; very effective.
- Diadem** (Dwarf). A fine dwarf; pure white.
- Edmond Rostand** (Medium). Reddish-violet, shading brighter towards the centre, with an exceptionally large white centre.
- Eclairer** (Tall). Brilliant rosy-magenta, with large lighter halo.
- Hermine** (Dwarf). The dwarfiest variety in our collection, never exceeding 10 inches in height; pure white flowers, of good size; early; unequalled for bordering. A perfect little gem.
- Helena Vacaresco** (Dwarf). Very large flowering dwarf; white.
- H. O. Wijers** (Tall). White, with bright crimson-carmine eye.
- Jeanne d' Arc** (Tall). A good standard late white.
- La Vague** (Medium). Pure mauve, with aniline-red eye.
- Louis Blanc**. Reddish-violet, with purple shadings.
- Mme Paul Dutric** (Tall). A delicate lilac-rose, reminding one of some of the beautiful soft pink orchids.
- Mozart** (Tall). Ground color white, suffused salmon; aniline-red eye.
- Mrs. Jenkins** (Tall). The best early white for massing.
- Obergartner Wittig** (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; one of the best.
- Professor Virchow** (Medium). Bright carmine, overlaid with orange-scarlet.
- R. P. Struthers** (Tall). Rosy-carmine, with claret-red eye; fine.
- Sunshine** (Dwarf). Large aniline-red, with crimson-red eye and light halo.
- Selma** (Tall). Large flower, pale rose-mauve, with claret-red eye.

NOTE.—Any of the above, \$5.00 per 100; \$40.00 per 1000.

New Varieties of Hardy Phlox.

- Asia**. One of the prettiest in the collection; a delicate shade of mauve, with a crimson-carmine eye. 25c each; \$2.50 per dozen; \$18.00 per 100.
- Baron von Dedem**. Brilliant cochineal-red, with salmon shadings; not a large flower, but produced in large trusses and remarkably fine flowering. \$1.50 per dozen; \$9.00 per 100; \$80.00 per 1000.
- Braga**. Mauve-rose, more or less suffused with salmon; large white eye; a distinct and pleasing color combination. 25c each; \$2.50 per dozen; \$18.00 per 100.
- Europa**. A white variety, with very decided crimson-carmine eye. The individual flowers, as well as the trusses, are very large. Entirely distinct. 25c each; \$2.50 per dozen \$18.00 per 100.
- Frau Anton Buchner**. The finest white variety yet introduced, having the largest truss and individual flower; of dwarf habit. \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.

- Goliath**. A giant in growth, in rich soil, over 5 feet high. The flowers are of good size, in bold, massive panicles of rich crimson-carmine with deeper eye. 20c each; \$2.00 per dozen; \$15.00 per 100.
- Hervor**. The first of its color; a bright but soft pink, with a large white eye. 25c each; \$2.50 per dozen; \$18.00 per 100.
- Rynstrom**. An improved form of the popular variety Pantheon. Fine for massing, and of a Paul Neyron rose color. 20c each; \$2.00 per dozen; \$15.00 per 100.
- Rosenburg**. Bright reddish-violet, with blood-red eye. Large truss, and individual flowers as large as a silver dollar. \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.
- Widar**. An improvement on Edmond Rostand. A light reddish-violet, with a large white centre which intensifies and illuminates the color. Flower and truss very large. 25c each; \$2.50 per dozen; \$18.00 per 100.

We can still supply the leading varieties of Hardy Perennials in pot-grown stock, suitable for present planting.

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

The above advertisement is intended for the trade only.

GLADIOLI

Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Brenchleyensis, Etc. Lilies, Summer Flowering Bulbs and Hardy Plants.

E. S. MILLER, Wading River, N. Y.

Sweet Williams

Field Clumps, \$3.00 per 100; \$25.00 per 1000. Smaller plants that will bloom this season, 50 cents per 100; \$3.50 per 1000. Hardy Pinks, field clumps, \$2.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

ROSES LAST CALL

We Need The Space

- American Beauties, 2¼-inch.....\$5.00 per 100; \$45.00 per 1000
- Bench Beauty Plants..... 5.00 per 100; 40.00 per 1000
- A nice lot of 2¼-in. My Maryland..... 4.00 per 100; 35.00 per 1000
- 2½-in. White Killarney..... 4.00 per 100; 35.00 per 1000

J. A. BUDLONG, 82-86 E. Randolph St., Chicago

Mention the American Florist when writing

The Early Advertisement Gets There

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President;
Marshall H. Durvea, New York, First Vice-
President; Edgar Gregory, Marblehead,
Mass., Second Vice-President; C. E. Kendel,
Cleveland, Ohio, Secretary and Treasurer.
Next annual convention at Chicago, June
25-27, 1912.

VISITED CHICAGO: G. C. Eldering, of
W. J. Eldering & Son, Overveen, Haar-
lem, Holland.

RED TOP grass in southern Illinois is
said to be looking well, not winter-
killed to any extent; the grass is not
yet in bloom.

A. M. KIRBY, of Peter Henderson &
Co., New York, is making a California
trip and Alexander Forbes, of the same
firm, is in Italy.

CHICAGO contract offers of red and
yellow onion sets have been made by
some growers this week at 95 cents to
\$1 for October.

ADVICES of May 15 from the Pacific
Coast are to the effect that while sweet
peas are not promising very well it is
still too early to form very definite
estimates.

CHICAGO.—Prices on the Board of
Trade, May 22, for grass seed were
noted as follows: Timothy, \$9 to \$14
per 100 pounds.—S. F. Leonard, of the
Leonard Seed Co., is still serving on
the grand jury.

CHICAGO insecticide manufacturers,
who were prosecuted under insecticide
law, were fined \$25 and \$50, pleading
guilty to accidental violations. The
law itself does not admit the possibili-
ty of accidents.

THE Simmons Inspection and Quar-
antine bill, as finally accepted by the
nurserymen, will be found on page 1096
and a brief summary of the latest
changes appears on page 1068 of this
issue.

THE onion set acreage in the Chicago
territory appears to be slightly under
that of last year thus far. The season
is very late and seed sowing barely
completed. Where the seed has had
an opportunity to develop by reason of
early sowing the stand is good.

MINNEAPOLIS, MINN.—J. E. Northrup
has not been feeling so well since his
return from California; Mr. Northrup
thinks the high altitude which he
passed over in Arizona was unfavor-
able; he has not yet taken an active
part at the office since his return.

STURGEON BAY, WIS., May 16.—T. H.
Hopkins and family are making pre-
parations to move to Montana, where
the John H. Allen Seed Co. has large
holdings that are planted to peas. All
the big growers have gone west, the
eastern section and middle west hav-
ing evidently been run out when it
comes to the production of seed peas.
It is possible that after a rest of a
few years the land may get back into
shape again.—Advocate.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Dutch Bulbs.

Recent reports of Holland bulbs are
favorable. Fine weather the latter
part of April and in early May has
eliminated all effects of the hail storms
early in the season. Hyacinths and
tulips in all leading varieties will be
in good supply with prices about the
same as last year. Narcissi also prom-
ise well but there will be a shortage of
the large double-nosed bulbs of Von
Sion and the prices on this item will
be higher, also on Emperor, Empress
and Golden Spur. Crocuses were not
planted so extensively as in former
years and on this account the crop
will be short and price decidedly
higher.

Government Free Seeds.

Seeds and plants were distributed
upon congressional order as in former
years. Between six and seven hundred
tons of vegetable and flower seeds, put
up in approximately 60,000,000 packets,
were distributed the past season. Of
this quantity about 10 per cent was
flower seed and 90 per cent vegetable
seed. Approximately one-third of the
total quantity was procured from sur-
plus stocks, and the remainder was
grown under contract for the depart-
ment during the current season. In
every case seed was secured on com-
petitive bids, and no seed was ac-
cepted for distribution unless it was
found after repeated tests to be of
satisfactory purity and vitality. Every
lot of seed is tested for germination
two or more times before and after
shipment, and a sample of each lot is
grown on the trial grounds of the de-
partment under the direct supervision
of expert horticulturists to determine
its trueness to type. Many thousand
pounds of vegetable and flower seeds
which do not meet the requirements of
the department are rejected every year
and returned to the seedsmen by whom
they were shipped. Where seeds are
contracted to be grown for the depart-
ment the fields are inspected at the
proper season by specialists, who see
that the plants are uniformly true to
type and that a proper system of rog-
uing out variations and mixtures is fol-
lowed. This system has resulted in
steady improvement in the quality of
seeds distributed by the department,
as shown by the results obtained on
the trial grounds and by hundreds of
reports from all sections of the coun-
try.

The work of packeting, assembling
and mailing the vegetable and flower
seeds was done under contract at a
cost of \$1.10½ per thousand packets,
which included delivery of the packeted
seed in mail sacks direct to the Union
Station. A new contract has been en-
tered into for putting up and mailing
the seeds for the coming distribution
at a saving over the former contract
of 1 cent per thousand packets.

The propagation of Dutch bulbs in
the Puget Sound region in connection
with the congressional distribution is
progressing favorably. Trial sets of
narcissus and tulip bulbs propagated
near Bellingham, Wash., were planted
at Washington, D. C., with sets of

bulbs of the same varieties imported
from Holland, and the Bellingham
bulbs produced better blossoms 10 days
earlier than the imported bulbs. The
early blooming period of American-
grown bulbs is of importance to all
professional florists, because of the
saving in time and fuel where bulbs
are forced for market.—Report of the
Secretary of Agriculture for 1911.

Clover and Timothy Seed.

In the yearbook of agriculture issued
by United States Department of Agri-
culture appears a table giving the dif-
ferent prices of clover seed in the four
cities, Cincinnati, Chicago, Toledo and
Detroit, and of timothy seed in Cincin-
nati, Chicago, Milwaukee and St. Louis
for the years 1898-1911. There has
been an almost steady increase in the
prices of both seeds at all of the cities.
At Cincinnati, prime seed of clover
was priced at \$2.45 in 1898, advancing
to \$7.00 in 1907, reaching \$8.00 in 1908
and 1907 and ranged from \$4.20 to
\$6.00 during 1911. The average last
year being slightly less than in 1910.
The prices of poor to prime at Chicago
show a similar advance from 60 cents
as low price in 1898 to \$10 for high in
1907. During April, 1908, a figure of
\$14.40 and in August, 1910, \$15.50 was
recorded. The prices at Toledo for poor
to choice do not show so large a fluctu-
ation, the lowest price being \$2.80
in 1898 and the highest \$12.80 in 1911.
The variance at Detroit is about the
same as at Toledo, ranging from \$2.80
in 1898 to \$12.50 in 1911.

Timothy seed has advanced in a sim-
ilar proportion to clover. At Cincin-
nati from 95 cents low per bushel of
45 pounds in 1898 to \$6.90 in 1911. At
Chicago the price for poor to choice
has advanced from \$2.15 per 100
pounds in 1898 to \$16.25 at the close
of 1911, the highest figure of the 14
years. Milwaukee shows a range from
\$1.50 to \$15.50 and St. Louis for poor
to prime from \$2.40 as low figure in
1902 to \$15.75 for the highest in De-
cember, 1911.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Let-
tuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

QUALITY SEED BULBS PLANTS

ARTHUR T. BODDINGTON
142 West 14th St., New York.

**VICK QUALITY
SEEDS
PLANTS
BULBS**

ASK FOR WHOLESALE CATALOGUE.

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

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

W. J. Eldering & Son

WHOLESALE BULB GROWERS

Overveen, Haarlem, Holland

Headquarters for High Grade Hyacinths, Tulips, Narcissi

Quality With Fair Prices

We ship first quality Holland Bulbs to the American Trade. This is the sole basis of the continuous and ever increasing patronage of the most critical, high-class American buyers, covering many years.

Our Mr. G. C. Eldering is now at the Hotel Saville, Madison Avenue and 29th Street, New York, prepared to book orders for the best stocks at most reasonable figures, to the trade only.

SURPLUS OFFER

Kentucky Blue Grass Seed.

SAMPLE	WEIGHT	PRICE
No. 19	19 Pound Test.....	\$3.35 per bu.
D	19 " " " " " " " "	3.10 " "
E	15 " " " " " " " "	3.00 " "
F	12 " " " " " " " "	2.65 " "

Freight paid to all points East of the Mississippi, shipped in original sacks. 112 pounds each.

FANCY RECLEANED ALFALFA SEED

14c POUND. F. O. B. BALTIMORE.

We are Large Wholesale Dealers in Grasses, Clovers, Field Seeds, Etc. Samples and Special Prices cheerfully given on your requirements.

J. Bolgiano & Son

Wholesale Seed Merchants
Almost 100 Years' Established Trade
MAIN OFFICE: Pratt & Light Streets.
PIER: Montgomery St. & The Harbor.
BALTIMORE MD.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

THE G. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn

BEANS; PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Lily of the Valley from Cold Storage
Order Now for Decoration Day and June Weddings

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

Mention the American Florist when writing

J. C. Robinson Seed Co.

WATERLOO, NEBRASKA.
Rocky Ford, Colorado.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

Mention the American Florist when writing

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS
SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Mention the American Florist when writing

—FOR—
SEEDS
OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England.

Mention the American Florist when writing

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade Only

Enid, - - Oklahoma

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Send Advertisements Early
For Best Results.

Proposed Inspection and Quarantine Bill (H. R. 24,119)

The following bill to regulate the importation of nursery stock and other plants and to establish and maintain quarantine districts for plant diseases and insect pests was introduced in the House of Representatives by Mr. Simmons May 3, 1912, and referred to the Committee on Agriculture, and on May 6, 1912, committed to Committee of the Whole House on the

PAGE 1

A bill to regulate the importation of nursery stock and other plants and plant products; to enable the Secretary of Agriculture to establish and maintain quarantine districts for plant diseases and insect pests; to permit and regulate the movement of fruits, plants, and vegetables therefrom, and for other purposes.

1 Be it enacted by the Senate and House of Representa-
2 tives of the United States of America in Congress assembled,
3 That it shall be unlawful for any person to import or offer
4 for entry into the United States any nursery stock unless
5 and until a permit shall have been issued therefor by the
6 Secretary of Agriculture, under such conditions and regula-
7 tions as the said Secretary of Agriculture may prescribe, and
8 unless such nursery stock shall be accompanied by a certifi-

PAGE 2

1 cate of inspection, in manner and form as required by the
2 Secretary of Agriculture, of the proper official of the
3 country from which the importation is made, to the effect
4 that the stock has been thoroughly inspected and is be-
5 lieved to be free from injurious plant diseases and insect
6 pests: Provided, That the Secretary of Agriculture shall
7 issue the permit for any particular importation of nursery
8 stock when the conditions and regulations as prescribed in this
9 Act shall have been complied with: Provided further, That
10 nursery stock may be imported for experimental or scientific
11 purposes by the Department of Agriculture upon such
12 conditions and under such regulations as the said Secretary
13 of Agriculture may prescribe: And provided further, That
14 nursery stock imported from countries where no official
15 system of inspection for such stock is maintained may be
16 admitted upon such conditions and under such regulations
17 as the Secretary of Agriculture may prescribe.

18 SEC. 2. That it shall be the duty of the Secretary of
19 the Treasury promptly to notify the Secretary of Agriculture
20 of the arrival of any nursery stock at port of entry; that
21 the person receiving such stock at port of entry shall,
22 immediately upon entry and before such stock is delivered
23 for shipment or removed from the port of entry, advise the
24 Secretary of Agriculture or, at his direction, the proper
25 State, Territorial, or District official of the State or Territory

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1 or the District to which such nursery stock is destined, or
2 both, as the Secretary of Agriculture may elect, of the name
3 and address of the consignee, the nature and quantity of the
4 stock it is proposed to ship, and the country and locality
5 where the same was grown: That no person shall ship or
6 offer for shipment from one State or Territory or District of
7 the United States into any other State or Territory or Dis-
8 trict, any nursery stock imported into the United States with-
9 out notifying the Secretary of Agriculture or, at his direc-
10 tion, the proper State, Territorial, or District official of the
11 State or Territory or District to which such nursery stock is
12 destined, or both, as the Secretary of Agriculture may elect,
13 immediately upon the delivery of the said stock for shipment,
14 of the name and address of the consignee, of the nature and
15 quantity of stock it is proposed to ship, and the country and
16 locality where the same was grown, unless and until such im-
17 ported stock has been inspected by the proper official of a
18 State, Territory, or District of the United States.

19 SEC. 3. That no person shall import or offer for entry
20 into the United States any nursery stock unless the case, box,
21 package, crate, bale, or bundle thereof shall be plainly and
22 correctly marked to show the general nature and quantity
23 of the contents, the country and locality where the same was
24 grown, the name and address of the shipper, owner, or per-

PAGE 4

1 son shipping or forwarding the same, and the name and
2 address of the consignee.
3 SEC. 4. That no person shall ship or deliver for ship-
4 ment from one State or Territory or District of the United
5 States into any other State or Territory or District any such
6 imported nursery stock the case, box, package, crate, bale, or
7 bundle whereof is not plainly marked so as to show the gen-
8 eral nature and quantity of the contents, the name and ad-
9 dress of the consignee, and the country and locality where
10 such stock was grown, unless and until such imported stock
11 has been inspected by the proper official of a State, Territory,
12 or District of the United States.

13 SEC. 5. That whenever the Secretary of Agriculture
14 shall determine that the unrestricted importation of any
15 plants, fruits, vegetables, roots, bulbs, seeds, or other plant
16 products not included by the term "nursery stock" as de-
17 fined in section six of this Act may result in the entry into
18 the United States or any of its Territories or Districts of in-
19 jurious plant diseases or insect pests, he shall promulgate his
20 determination, specifying the class of plants and plant products
21 the importation of which shall be restricted and the country
22 and locality where they are grown, and thereafter, and until
23 such promulgation is withdrawn, such plants and plant prod-
24 ucts imported or offered for import into the United States or
25 any of its Territories or Districts shall be subject to all the pro-

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1 visions of the foregoing sections of this Act: Provided, That
2 before the Secretary of Agriculture shall promulgate his de-
3 termination that the unrestricted importation of any plants,
4 fruits, vegetables, roots, bulbs, seeds, or other plant products
5 not included by the term "nursery stock" as defined in sec-
6 tion six of this Act may result in the entry into the United
7 States or any of its Territories or Districts of injurious plant
8 diseases or insect pests he shall, after due notice, give a public
9 hearing, under such rules and regulations as he shall pre-
10 scribe, at which hearing any interested party may appear and
11 be heard, either in person or by attorney.

12 SEC. 6. That for the purpose of this Act the term
13 "nursery stock" shall include all field-grown florists' stock,
14 trees, shrubs, vines, cuttings, grafts, scions, buds, fruit pits
15 and other seeds of fruit and ornamental trees or shrubs, and
16 other plants and plant products for propagation, except field,
17 vegetable, and flower seeds, bedding plants, and other her-
18 bacaceous plants, bulbs, and roots.

19 SEC. 7. That whenever, in order to prevent the intro-
20 duction into the United States of any tree, plant, or fruit dis-
21 ease or of any injurious insect, new to or not heretofore
22 widely prevalent or distributed within and throughout the
23 United States, the Secretary of Agriculture shall determine
24 that it is necessary to forbid the importation into the United

25 States of any class of nursery stock or of any other class of
26 plants, fruits, vegetables, roots, bulbs, seeds, or other plant

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1 products from a country or locality where such disease or
2 insect infestation exists, he shall promulgate such determi-
3 nation, specifying the country and locality and the class of
4 nursery stock or other class of plants, fruits, vegetables,
5 roots, bulbs, seeds, or other plant products which, in his
6 opinion, should be excluded. Following the promulgation
7 of such determination by the Secretary of Agriculture, and
8 until the withdrawal of the said promulgation by him, the
9 importation of the class of nursery stock or of other class
10 of plants, fruits, vegetables, roots, bulbs, seeds, or other
11 plant products specified in the said promulgation from the
12 country and locality therein named, regardless of the use for
13 which the same is intended, is hereby prohibited; and until
14 the withdrawal of the said promulgation by the Secretary of
15 Agriculture, and not withstanding that such class of nursery
16 stock, or other class of plants, fruits, vegetables, roots, bulbs,
17 seeds, or other plant products be accompanied by a certificate
18 of inspection from the country of importation, no person shall
19 import or offer for entry into the United States from any
20 country or locality specified in such promulgation, any of
21 the class of nursery stock or of other class of plants, fruits,
22 vegetables, roots, bulbs, seeds, or other plant products named
23 therein, regardless of the use for which the same is intended:
24 Provided, That before the Secretary of Agriculture shall
25 promulgate his determination that it is necessary to forbid

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1 the importation into the United States of the articles named
2 in this section he shall, after due notice to interested parties,
3 give a public hearing, under such rules and regulations
4 as he shall prescribe, at which hearing any interested party
5 may appear and be heard, either in person or by attorney:
6 Provided further, That the quarantine provisions of this
7 section, as applying to the white-pine blister rust, potato
8 wart, and the Mediterranean fruit fly, shall become and be
9 effective upon the passage of this Act.

10 SEC. 8. That the Secretary of Agriculture is authorized
11 and directed to quarantine any State, Territory, or District
12 of the United States, or any portion thereof, when he shall
13 determine the fact that a dangerous plant disease or insect
14 infestation new to or not heretofore widely prevalent or
15 distributed within and throughout the United States, exists
16 in such State or Territory or District; and the Secretary
17 of Agriculture is directed to give notice of the establishment
18 of such quarantine to common carriers doing business in or
19 through such quarantined area, and shall publish in such
20 newspapers in the quarantined area as he shall select notice
21 of the establishment of quarantine. That no person shall
22 ship or offer for shipment to any common carrier, nor shall
23 any common carrier receive for transportation or transport,
24 nor shall any person carry or transport from any quarantined
25 State or Territory or District of the United States, or

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1 from any quarantined portion thereof, into or through any
2 other State or Territory or District, any class of nursery
3 stock or any other class of plants, fruits, vegetables,
4 roots, bulbs, seeds, or other plant products specified in
5 the notice of quarantine except as hereinafter provided.
6 That it shall be unlawful to move, or allow to be moved,
7 any class of nursery stock or any other class of plants,
8 fruits, vegetables, roots, bulbs, seeds, or other plant products
9 specified in the notice of quarantine hereinbefore provided,
10 and regardless of the use for which the same is intended,
11 from any quarantined State or Territory or District of
12 the United States, or quarantined portion thereof, into or
13 through any other State or Territory or District, in man-
14 ner or method or under conditions other than those pre-
15 scribed by the Secretary of Agriculture. That it shall be
16 the duty of the Secretary of Agriculture to make and pro-
17 mulgate rules and regulations which shall permit and govern
18 the inspection, disinfection, certification, and method
19 and manner of delivery and shipment of the class of nursery
20 stock or of any other class of plants, fruits, vegetables,
21 roots, bulbs, seeds, or other plant products specified in the
22 notice of quarantine hereinbefore provided, and regard-
23 less of the use for which the same is intended, from a
24 quarantined State or Territory or District of the United
25 States, or quarantined portion thereof, into or through any

PAGE 9

1 other State or Territory or District; and the Secretary of
2 Agriculture shall give notice of such rules and regulations as
3 hereinbefore provided in this section for the notice of the
4 establishment of quarantine: Provided, That before the
5 Secretary of Agriculture shall promulgate his determination
6 that it is necessary to quarantine any State, Territory, or
7 District of the United States, or portion thereof, under the
8 authority given in this section, he shall, after due notice to
9 interested parties, give a public hearing under such rules
10 and regulations as he shall prescribe, at which hearing any
11 interested party may appear and be heard, either in person
12 or by attorney.

13 SEC. 9. That the Secretary of Agriculture shall make
14 and promulgate such rules and regulations as may be neces-
15 sary for carrying out the purposes of this Act.

16 SEC. 10. That any person who shall violate any of the
17 provisions of this Act, or of the rules or regulations herein
18 provided for, or who shall forge, counterfeit, alter, deface,
19 or destroy any certificate provided for in this Act or in the
20 regulations of the Secretary of Agriculture, shall be deemed
21 guilty of a misdemeanor and shall, upon conviction thereof,
22 be punished by a fine of not exceeding five hundred dollars or
23 by imprisonment not exceeding one year, or both such fine
24 and imprisonment, in the discretion of the court: Provided,

PAGE 10

1 That no common carrier shall be deemed to have violated
2 the provisions of any of the foregoing sections of this Act
3 on proof that such carrier did not knowingly receive for
4 transportation or transport nursery stock or other plants or
5 plant products as such from one State, Territory, or District
6 of the United States into or through any other State, Ter-
7 ritory, or District; and it shall be the duty of the United
8 States attorneys diligently to prosecute any violations of
9 this Act which are brought to their attention by the Secre-
10 tary of Agriculture or which come to their notice by other
11 means.

Proposed Inspection and Quarantine Bill—Continued.

12 SEC. 11. That the word "person" as used in this Act
13 shall be construed to import both the plural and the singular,
14 as the case demands, and shall include corporations, com-
15 panies, societies, and associations. When construing and
16 enforcing the provisions of this Act, the net, omission or
17 failure of any officer, agent, or other person acting for or
18 employed by any corporation, company, society, or asso-
19 ciation, within the scope of his employment or office, shall
20 in every case be also deemed to be the act, omission, or
21 failure of such corporation, company, society, or association
22 as well as that of the person.
23 SEC. 12. That for the purpose of carrying out the pro-
24 visions of this Act there shall be appointed by the Secretary
PAGE 11

2 partment of Agriculture, including the Bureau of Entomol-
3 ogy, the Bureau of Plant Industry, and the Forest Service, a
4 Federal Horticultural Board consisting of five members, of
5 whom not more than two shall be appointed from any one
6 bureau or office, and who shall serve without additional
7 compensation.
8 SEC. 13. That there is hereby appropriated, out of the
9 moneys in the Treasury not otherwise appropriated, to be
10 expended as the Secretary of Agriculture may direct, for
11 the purposes and objects of this Act, the sum of twenty-five
12 thousand dollars, which appropriation shall become available
13 on July first, nineteen hundred and twelve.
14 SEC. 14. That this Act shall become and be effective
15 from and after the first day of July, nineteen hundred and
16 twelve, except as herein otherwise provided.

1 of Agriculture from existing bureaus and offices in the De-

Hill's Good Tree Seeds

With us, Tree Seeds are not a mere side-
line. We have given this work special
attention for many years. If you plant or
handle tree seeds, you ought to use the
best. There are no better Tree Seeds
available than ours—always well cleaned,
carefully tested and handled right from
start to finish.

Ask for prices on what you want. You
will get prompt service. Write today.

THE D. HILL NURSERY CO., Inc.
Seed Depl. Box 602, Dundee, Illinois
Collectors and Extractors
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CANNAS

King Humbert, a foot high; fine Each Doz.
plants out of 3-in. 7c
Mont Blanc, Improved, 4-in. 25c \$2.50
Wm. Sanders, 4-in., extra large 25c 2.50
20 Other Varieties in 3-in. pots.
Send for list.

The Cedar Hill Gardens,
Sea Cliff, L. I., N. Y.

Long Distance Phone. Cash with order, please.

Henry Fish Seed Co.
Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

John Bodger & Sons Co.

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Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.

Asparagus Plumosus Plants

2 1/2-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best ob-
tainable \$1.00 per 100;
\$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building. PHILADELPHIA, PA

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PLANT AND SEED GROWERS

Geraniums ORIGINAL NOVELTIES Carnations

Nursery:
Alviso Road. Mountain View, California, U. S. A.



GLADIOLUS GLORY.

Gladiolus

Per 1000
KUNDERDI "GLORY"...Per 100, \$7 50 \$70 00
AMERICA, 1 1/4 to 1 1/2 inch. 27 50
Mrs. Francis King, 1 1/4 to 1 1/2 inch. 17 00
Augusta, 1 1/4 to 1 1/2 inch. 16 00
Princeps, The King of All Gladioli,
.....Per 100, \$10 00
Extra Fine Mixture, part named. 18 00
TUBEROSES, Dwarf Pearl
Medium, 3 4-in. \$5.00 per 1000

COLD STORAGE STOCK.

Lilium Auratum

8 to 9.....\$50 00 per 1000
9 to 11..... 80 00 per 1000

Lilium Giganteum

7 to 9 in., 800 to case.....per 1000, \$65.00

Valley Pips

London Market.....Per 1000 \$15 00
Premium Brand..... 13 00

Vaughan's Seed Store,

CHICAGO. NEW YORK.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato.
Vine Seed and Field Corn

Correspondence Solicited

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Japanese Lilies

Spec. Album, 9 in.-11 in.per 100..\$13.00
Rubrum, 9 in.-11 in. per 100.. 9.00
Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberose, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
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114 Chambers Street. NEW YORK, N. Y.

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
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Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster,
Cosmos, Mignonette, Verbena in variety.
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Bloomsdale Farm. Bristol, Pa.

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Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

ROEMER'S Superb Prize PANSIES

The finest strain of Pansies in the World,
Introducer and Grower of all the leading
Novelties. Highest Award International
Exhibition, Dusseldorf, 1905. Catalogue free
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FRED. ROEMER, Seed Grower,
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Chrysanthemums

STRICTLY FIRST-CLASS STOCK.

Amorita, Mrs. H. W. Buckbee, Major Bonnaffon, White Bonnaffon, A. J. Balfour, John Burton, Comoleta, Winter Cheer, Diana, Maud Dean, Dr. Enguehard, Timothy Eaton, Yellow Eaton, Helen Frick, Lillie Godfrey, Robert Halliday, Ivory, Pink Ivory, Yellow Ivory, Mrs. W. E. Kelley, Klondike, Monrovia, Vivian Morel, Nagoya, Patty, Pacific Supreme, Rufus, Mrs. H. Robinson, Clementine Tousey, Lida Thomas, Mayor Weaver, Hilda Wells, Yanoma.

From 2 1/2-in. pots, \$3.00 per 100, \$25.00 per 1000
Rooted Cuttings, \$2.50 per 100, \$17.50 per 1000.

W. H. Chadwick, Golden Chadwick, Pockett's Crimson, T. Carrington, Donatello, Doll, Dimple, Wm. Duckham, White Helen Frick, Glenview, Blackhawk, Lynwood Hall, Intensity, Mrs. O. H. Kahn, G. W. Pook, Pres. Roosevelt, Golden Wedding.

From 2-in. pots, \$4.00 per 100, \$35.00 per 1000
Rooted Cuttings, \$3.00 per 100, \$22.50 per 1000

Chadwick Improved, Merza.
From 2 1/2-in. pots, \$5.00 per 100, \$40.00 per 1000.
Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000.

Varieties of 1911.

Smith's Advance, the earliest white.
Unaka, the best large early pink.
Dick Wittertaefer, a fine crimson for late October.
Roman Gold, an intense yellow for early November.
Thanksgiving Queen, an extra early large reflexed white.
From 2 1/2-in. pots, \$5.00 per 100, \$45.00 per 1000,
Rooted Cuttings, \$3.00 per 100, \$35.00 per 1000.

Chrysolora, the largest and best yellow for October 15th.
From 2 1/2-in. pots, \$10.00 per 100, \$90.00 per 1000.
Rooted Cuttings, \$8.00 per 100, \$75.00 per 1000.

Not less than 25 of a kind at 100 and 250 at 1000 rate.

Those desiring less than 25 plants of a kind will be quoted on application.
No order for Rooted Cuttings accepted for less than 25 of a kind.

For type, color and flowering season, refer to our 1912 catalogue.

Elmer D. Smith & Co.

ADRIAN, MICH.

Mention the American Florist when writing.

Asparagus Plumosus, 3-in. pots, \$4.00 per 100.
Ivy, Hardy English, 3-in. pots, \$4.00 per 100.

Clematis Paniculata, strong 2-year old plants, \$10.00 per 100. These will bloom this season. 1-year old plants, \$5.00 per 100. Seedlings, strong, \$1.00 per 100; \$8.00 per 1000.

Dracaena Indivisa, 3-in. pots, \$4.00 per 100.

Chrysanthemums, strong plants from flats, \$2.00 per 100. Golden Glow, White Cloud, Pacific Supreme, Dr. Enguehard, Yellow Jones, Nonin, Pompons, White Diana, Lulu.

Carnations, Rooted Cuttings, from soil, fine plants of Boston Market, still one of the best whites, \$2.00 per 100; Enchantress, white and pink, \$3.00 per 100.

Ampelopsis Veitchii, nice plants, 3 in. pots, \$5.00 per 100.

Myrtles, the real Bridal Myrtle, large and small leaves, 4 in. pots, \$1.00 per dozen; 2 1/2 in. pots, \$3.00 per 100.

Plants from 2 1/2-in. pots, \$2.50 per 100: **Abutilon Savitzii**; **Cupheas**; **Ageratum**; **Farlow Ivy**; **Asparagus Sprengeri**; **Dracaena Indivisa**; **Alyssum**, Dwarf; **Anthirrhinum**, pink, white and red; **Impatiens**; **Feverfew**; **Phlox Drummondii** dwarf; **Petunia**, Howard's Star and Giant Fringed; **Lobelias**, Emperor William.

Umbrella Plants, 3-in. pots, \$4.00 per 100.

Bouvardias, white, pink, scarlet and red, 2 in. pots, \$3.00 per 100.

Wistaria Sinensis, seedling plants, 3-in. pots, \$4.00 per 100.

C. EISELE,

111th & Westmoreland Sts., Philadelphia, Pa.

LOOK! BARGAINS IN Bedding Plants

For Immediate Shipment.

NOW READY.

Godfrey Aschmann, the busy bee, is more active than ever. Come and look at what he and his son and employees have done in four weeks' time. Inspect it yourself, judge it yourself, and you will say "Is it possible?" Sixty-three greenhouses and equally as many frames are filled with choice bedding plants of all descriptions.



Cannas, Alphonse Bouvier, Florence Per 100
Vaughan, Pennsylvania, Queen Charlotte, \$7.00
Cannas, Mme. Crozy, 4-in. 8.00
King Humbert, 4-in. 10.00
Bardy or English Ivy, made up of 3 plants,
4-in., 10c; 5-in., 15c.
Begonia Erfordi, our well known strain, our
latest improvement, always in bloom, best of
all pink varieties, 4-in. pots. 8.00
Begonia Vernon, the genuine dark red. Discard
the old large leaved and buy the new
sort. A bed of them once seen growing on
a lawn speaks for itself; it is our latest im-
provement of the Vernon type; always a
mass of flowers; stands the sun, heat and the
dry weather well; 7,000 4-in. now ready. 8.00
3-in. (all in bloom) 5.00
Begonia Berne, another novelty of Berne,
Switzerland, a constant bloomer, 5 1/2 in. pots.
25c; 3-in. 10c; 4-in., 15c.
Lemon Verbenas, 4-in. 7.00
Scarlet Sage, everybody's favorite, Clara Bed-
man or Bonfire (in bloom), 4-in. 7.00
Zurich, 4-in. 7.00
Ageratum, dwarf, best blue, 4-in. 7.00
Fuchsias, assorted colors, 4-in. 7.00
Double Petunias, assorted, 4-in. 7.00
Lantanas, assorted, 4-in. 7.00

Geraniums, 3 best well-known varieties:
Beaute Poitevine, best salmon pink, 4-in. 8c each
S. A. Nutt, best crimson, 4-in. 7c each
Alfonse Ricard, best double red, 4-in. 7c each
Honeysuckle, sweet-scented Hallcana, 4-in.,
10c; 5-in. 15c each
Clematis Paniculata, 5 1/2-in. pots, 15c to 20c each
Ampelopsis Veitchii, 30-in. high, 4-in. 15c each
5-in. 20c each
Cobaea Scandens, 4-in. 10c each
Dielytra Spectabilis or Bleeding Heart, hardy,
like a peony, kept outside in frames all winter,
strong and healthy, 6-in. pots, 25c to 35c.
Dracaena Indivisa, 6-in. pots, 50c.
Vinca Variegata, large 4-in., 15c.

Perennial or Hardy Phlox, assorted colors, nice
strong young plants, \$7.00 per 100.

Shasta Daisies, best white large-flowering hardy
daisy, 2 1/2-in., \$5.00 per 100.

Hydrangea Otaka, 6-in. pots, medium size only,
suitable for outdoor planting, not in bloom, 25c;
7-in. pot, in cold frame all winter through, 50c
to 75c.

Asparagus Plumosus, 2 1/2-in., \$25.00 per 1000, \$3.00
per 100; 3-in., \$5.00 per 100.
Asparagus Sprengeri, 4-in., 10c.

Here we have something new, worth while having.
What is it? It is a **New Yellow Daisy**, a constant
bloomer. Here is the name: Dimor-
phothea Aurantiaca. 2-in. pots, \$1.00 per doz.

First Consignment.

6,000 just received per steamer Lapland from
Antwerpen, Belgium; more coming by next
steamer.

Araucaria Excelsa, Robusta Compacta, Glauca,
and **Palms, etc.** Florists, you all know we are
leaders for the last 25 years in importing, growing
and shipping of this so well known evergreen deco-
rative plant, the **Araucaria**, more in favor than
ever from Atlantic to Pacific Ocean. To every
florist our Araucarias are interesting; therefore
no argument is needed for our goods. We know
what our customers need; therefore we have pro-
vided and set aside special specimen plants,
spring, 1911, importation, lawns, porches, verandas,
bungalows, private summer residences, the hotels
and boarding houses on the seashore and else-
where. This plant is one of the most desirable
evergreen decorative plants adapted for the above
mentioned purposes.

Araucaria Excelsa raised from top cuttings, 6-7-
in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28,
30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to
\$2.50 each.

**Araucaria Excelsa Glauca and Robusta Com-
pacta**, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50,
\$2.00 each.

Araucaria Excelsa, new importation, arrived per
steamer Lapland, in fine condition, out of 5, 5 1/2
and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers,
12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and
\$1.00 each.

Robusta Compacta Excelsa Glauca, April, 1911,
importation, 5- and 6-in. pots, \$1.00 to \$1.25 each.
Kentia Belmoreana, 4 year old, 30 to 35 inches
high, \$1.50.

Kenti Forsteriana, 4 year old, 30 to 35 inches
high, 6-in. pot, \$1.50.
Kentia Forsteriana, 4 year old, 26 to 30 inches
high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches
high, \$1.00 to \$1.25.

Kentia Belmoreana, 4 year old, combination or
made up of 3 plants 26 to 28 inches high, \$1.00,
\$1.25 and \$1.50.

Kentia Belmoreana, combination or made up of
3 plants, 3 year old, 24 to 26 inches high, 75c to
\$1.00.

Kentia Belmoreana, 4-in., 25c; 5 1/2-in., 50c.
Here is a bargain seldom offered. Only as long as
we have it in stock. **Kentia Belmoreana**, made
up of 3 plants, 30 to 36 inches high, 8-in. pots.
Look! Only \$1.50, worth \$2.50.

Kentia Forsteriana, 5- to 6 in. pots, 25 to 28 in.
high, 50c to 60c; 4 1/2-in., 18 to 20 inches high, 35c.
Kentia Forsteriana, 7-in. pots, made up, one large
size in center, three smaller ones around, \$2.00
each.

Cocos Weddelliana Palms, made up of 3 plants,
4 to 5 in. pots, 30c to 40c; 3-in., 15c.

Areca Lutecens Palms, made up of 3 plants, 4-in.,
20c to 25c; 5 1/2-in., made up of 3 plants, 25c to 30c.

Ficus Elastic (Rubber Plant), 7-in. pots, 30 to 35
in. high, \$1.00; 25 to 30 in. high, 7-in. pots, 75c;
6-in. pots, 20 to 25 in. high, 40c to 50c; 5 1/2-in., 30c
to 35c.

Ferns.

Neph. Cordata Compacta, 4-in., 20c; 3-in., 15c.

In Small Plants

we have the following in 2 1/2 to 3-in.
pots, at \$3.00 per 100:

Verbenas, assorted colors.
Phlox Drummondii, dwarf and grandiflora.
French dwarf **Tagetes** (the queen of the Marigolds).
Coleus. Verschaffeltii, Golden Bedder, Queen
Victoria (fancy colors, 4c).
Petunias, Inimitable, Dwarf and Rosy Morn.
Sweet Alyssum, Carpet of Snow or Little Gem
Thunbergia, or Black Eyed Susan.
Lobelia, Crystal Palace, blue, dwarf.
Centaurea Gymnocarpa (Dusty Miller).
Farlow or German Ivy 3c.
Callifornia Giant Petunia 3-in., \$5.00 per 100.
Asters, 5 separate colors, 2 1/2-in., 3c; Crego, mot-
tled or striped.

Now is the time for planting **Moonvine**.
Don't forget that we are the growers and
shippers of **Ipomea Noctiflorum**, the pure white
Moonvine, with flowers as big as a saucer, very
fragrant and the earliest Moonvine in existence,
for which we have a world-wide reputation for the
past twenty-five years; grows 50 feet and over in
one season; over 25,000 are shipped every spring
all over America, south, north, west and east,
Mexico and Cuba, 2 1/2-in. pots, \$5.00 per 100; 3-in.,
\$8.00 per 100; 4-in., \$12.00 per 100.

Cash with order, please. 25 sold at 100 rates.
All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.



Fall Forcing Bulbs



**Roman
Hyacinths,
Narcissus P.W.
Grandiflora,
Lilium Harrissii,
Japanese Lilies,**

**Forcing Valley, Callas, Freesias and
picked bulbs of all Dutch Hyacinths, Tulips and Spirea.**



**We Can Save You Money On
This Stock.**

**Import Price List Ready
VAUGHAN'S SEED STORE,
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BEDDING STOCK and Plants for Decoration Day

Our stock of Bedding Plants is second to none in Central Illinois. Write us your wants. Ask for our circulars of Soft Wooded Stock, Ferns, Roses, Cannas, Chrysanthemums, and Blooming Stock for Spring and Decoration Day.
Hydrangeas, in bloom, 4-in., \$12.50 per 100; 6-in., 75c; 7-in., \$1.00.
Gloxinias and **Tuberous-rooted Begonias**, in bloom, 5-in., 25c.
Our terms are Cash; our guarantee is to give you satisfaction. Write or wire us.

GEO. A. KUHL, PEKIN, ILL.
Wholesale Grower to the Trade.
Cut Flowers and Designs shipped to any part of the Country.

ROSE PLANTS

American Beauty.....	100	1000
Pink Killarney, bench, 1 year old.....	\$5.00	\$45.00
Asparagus Plumosus clumps, 1 yr. old, 3.00	3.50	30.00
	3.00	25.00

Geo. Reinberg.
162 N. Wabash Avenue, Chicago, Ill.

ROSES

See Price-list Ad. page 972, May 11th.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO.

Smilax

Strong 2 1/4-in. Pots, \$15.00 per 1000.
W. W. Coles, Kokomo, Ind.

Hydrangeas in Flower

For Immediate Use

Fine plants in bud and bloom, with two to six flowers each, in 6-inch and 7-inch pots. 50c, 75c, \$1.00, and \$1.50 each—according to size and number of blooms.
Large specimens in full flower in new cedar tubs; 14-inch, painted green, with iron handles, \$4.00 each.

Large Hydrangeas for Later Blooming

We have a large stock of plants in tubs and barrels for July and August blooming. These plants have just started into growth, and will be in fine shape for later blooming. Plants in new cedar tubs 14-inch diameter, \$3.00 and \$4.00 each; in common butter tubs, \$1.00 less. Extra large specimens in half barrels, \$5.00 each.

Large Specimen Ferns

We have a magnificent stock of exceptionally fine Nephrolepis in the following varieties, viz:
Elegantissima, 12-inch pots, extra fine specimens, \$4.00 to \$5.00 each.
Harrisii, extra choice form of Bostoniensis, extra fine specimens, 12-in. pots, \$7.50 to \$10.00 each.
Bostoniensis, 10-in. pots, extra fine specimens, \$2.50 to \$3.00 each.
Giaterasi, 10-in. pots, extra fine specimens, \$3.00 each.
Scottii, 10-in. pots, extra fine specimens, \$2.50 each.

Variegated Vincas Extra fine plants in 4-inch pots for vases and boxes, \$10.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Mention the American Florist when writing

Alternantheras Coleus

	Per 100		Per 100
Yellow, 2 1/4-in. pot.....	\$1.50	10 varieties, 2 1/4 pot.....	\$2.00
Geraniums, S. A. Nutt and 5 varieties, my selection.....	6.00	Petunias, May 1st.....	3.00
Asp. Plumosus and Sprengeri, 2 1/4 pots, May 1st.....	2.00	Canna Chas. Henderson.....	4.00
		Pansy Seed, new crop, Giant flowering, Oz.	4.00

Cash or C. O. D.

Jos. H. Cunningham, - - Delaware, O.

Mention the American Florist when writing

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

MIAMI, FLA.—The annual meeting of the State Horticultural Society was held here May 14-16, with an estimated attendance of 3,000 grove owners and vegetable growers.

Prices of Indoor Fruits and Vegetables.

Chicago, May 20.—Mushrooms, 20 cents to 35 cents per pound; lettuce, 22½ cents to 25 cents, small cases; cucumbers, 50 cents to 85 cents per dozen.

New York, May 18.—Mushrooms, 75 cents to \$2 per 4-pound basket; cucumbers, 50 cents to 75 cents per dozen, \$1 to \$3 per box; tomatoes, 10 cents to 20 cents per pound; cauliflower, \$2 to \$3 per dozen.

The Use of Nitrate of Soda.

It has always appeared to us that the use of nitrate of soda is comparatively little understood. Right here where we operate we are in a large market gardening district in the center of one of the central states and we are quite sure that not one of our gardeners uses this material, nor could understand its proper use. We located here four years ago, on a wornout, poorly drained farm of heavy soil, and with the skillful use of chemicals have succeeded every spring in entering the market first with cool-loving crops like radish, leaf and head-lettuce, spinach, beets and cabbage. This year we cleared off an entire spinach field at a good price before a basket of other spinach appeared. Especially in a cool spring like this one does nitrate of soda give excellent results. The underlying principle is simply this that plants need nitrates to grow, and these nitrates are formed in the ground by the direct action of heat. The rains and snows of winter generally wash away a large part of available matter, and hence our crops have to wait for warm weather to produce new nitrates, no matter how much manure we may apply. The same is true with organic nitrogenous fertilizers, such as blood and bone or tankage. While nitrate of soda furnishes us immediately available nitrates regardless of weather conditions. By its use we can force growth in the cool spring which would otherwise be impossible.

In our location we get no response from phosphatic elements for leaf crops, hence we ignore them. But we find that nitrate of soda alone lacks a powerful partner, which is potash. We combine the two always, using twice the weight of soda to that of sulphate potash. These are pulverized and screened through ¼-inch mesh and most thoroughly mixed. A little acid phosphate or bone meal will prevent the mixture from caking if held any length of time, therefore it is well to add some. We apply this mixture broadcast in dry weather on all small plants, such as young onions, lettuce, radish, beets, carrots, etc., just as soon as well up—generally right after the first wheel-hoeing. Later if more is

needed we spread between the rows either by hand or with fertilizer drill, for as soon as enough foliage is formed to catch the chemicals, serious damage results from broad-casting. Such crops as cabbage we side dress by hand as soon as the plants show signs of recovering from transplanting. We have fairly covered the ground at times without any damage. Under proper conditions this mixture is certainly a great forcer. Later on we reduce the amount and quit using it, figuring on the manure applied to feed the crops.

Nitrates being easily washed away, and phosphates being retained, a good practice is to plow under whatever phosphatic elements we use—bone meal, acid phosphate or basic slag, either fall or spring. Then we can regulate growth by applying the above mixture. The problem of fertilizers must be studied out by the gardeners of the future in order to make the most of opportunities.

MARKETMAN.

Cultivation of Cauliflower.

In a paper read before the Lenox Horticultural Society, entitled "Cauliflower and Fertilizers," by Peter I. Adams, of Stockbridge, the writer states that the selection and location of soil has much to do with the ultimate success of the crop. An ideal field consists of a well drained soil of lime stone formation, the field to be in sod, the older the better. This should be ploughed in the fall to a depth not exceeding seven inches, the furrows set on edges to assist decomposition and disintegration and also to aerate and neutralize alkaline and acid tendencies. In the spring spread evenly 20 loads of barn yard manure free from litter, and a dressing of 800 pounds of ordinary potato phosphate; then run the wheelbarrow lengthwise, crosswise and diagonally, being careful not to root up small pieces of sod. Follow this with the smoothing harrow until the soil is finely pulverized.

Mark the field out in rows three feet apart and cross section the rows 18 or 20 inches apart. Plant the seed about June 1, five seeds at each crossing, and cover lightly. Ten days after planting the rows should be visible, and the trouble begins, for the little black snipper or gnat is frequently on hand in numbers. Pepper, ashes, soot and Paris green are effective, but must be used promptly. As soon as the hills can be seen a spike-tooth cultivator is run between the rows and the hills worked with a hoe. In a few days thinning and transplanting can be done, the hills thinned to one plant, and plants set in the hills that missed. An application of soluble fertilizer, 5 N—10 P—5 P, using nitrate of soda,

fine ground bone and sulphate of potash, applying 400 pounds and 20 bushels of ashes to the acre, and the field thoroughly hoed. The next trouble is the cutworms, and these must be looked for every morning and any plants that are cut off must be reset.

Rapid growth must be maintained, for if the plants get tough they stop work, so the field is given a third hoeing, and if the plants do not appear robust another dressing of ashes and fertilizer is given them. If it is dry cultivate shallow to conserve moisture, but while cauliflowers require a large amount of moisture, they will not flourish in a wet soil; if the season is wet a shallow ditch is ploughed beside the plants for drainage and the soil kept cultivated until the leaves cover the ground. As the nights become cool the heads begin to form and these should be immediately protected from sun and heat by tying the leaves together over them, completely shading them. Every second day they should be gone over and the perfect heads cut when they are smooth, compact and pure white. If allowed to stand they will grow rough or perhaps brown rust or stump rot is present and either will render them unfit in a short time. The heads should be handled and packed carefully. The pressure of a thumb on a head will result in a discolored spot. Cut off the ends of the leaves even with the top of the heads, and rinse in water to remove the green worm and its excretions. When dry, pack and cover the head with parchment paper to prevent bruising in transportation.



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All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

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- Size: 5 to 6 inches in diameter.
- Color: Glistening white; lemon-tinted center.
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Plants readily produce from 30 to 40 flowers in a season.
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California Giant

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OUR ORIGINAL OFFERING. None heretofore distributed.
Price for 1912 and 1913: \$3.00 each, or \$30.00 per doz.
(WHILE THEY LAST).

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RICHARD DIENER & CO.
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200,000 CARNATIONS

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	100	1000
Enchantress.....	\$3.00	\$25.00
Pure White Enchantress....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Mrs. C. W. Ward.....	3.50	30.00
Dorothy Gordon.....	3.50	30.00
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Fine plants from soil or pots, 50c per 100 more than 100 rates named above.
Smith & Gannett, Geneva, N. Y.

Roses, Cannas, Shrubs

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WEST GROVE, PA.

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Decorative Plants

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ROSE STOCK

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- Sunburst, Grafted, \$35.00 per 100. Own root, \$30.00 per 100.
- Rose Queen and Lady Hillingdon, Grafted, \$25.00 per 100; \$200.00 per 1000. Own root, \$20.00 per 100; \$150.00 per 1000.
- Richmond, Radiance, Killarney and Bon Silene, own root: \$8.00 per 100; \$60.00 per 1000.
- American Beauty, \$10.00 per 100; \$80.00 per 1000.

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Rose Plants. Bride, Pink Killarney and Richmond.

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on the whole lot or part, and if it sounds good, they are yours. They are all fine, healthy bench plants, but must be sold at once to make room for our new rose, Wilhelmina. A Bargain for Some One. Grab It Now.

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The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

BROOKLYN, N. Y.—William J. Zartman has resigned his position as superintendent of the Park Department and has accepted a position with the Fairfield Landscape & Nurseries Co.

THE Simmons Inspection and Quarantine bill, as finally accepted by the nurserymen, will be found on page 1096 and a brief summary of the latest changes appears on page 1068 of this issue.

HARTFORD, CONN.—C. R. Burr & Co. are enlarging their nursery holdings. A new tract of land has been acquired in Ellington and is being planted with stock, and they have also enlarged at both the Oakland street and Buckland plant besides operating a plant at Durham.

BOSTON, MASS.—The State Board of Agriculture has issued an order through H. T. Fernald, state nursery inspector, taking precautionary action against the white pine blister rust, prohibiting the importation of the five-leaved pines of all kinds into Massachusetts from any part of Europe.

American Association of Nurserymen.

Following is the programme of the convention of Nurserymen to be held at Boston, Mass., June 12-14, 1912.
 Wednesday, June 12th, 1912—10 A. M.
 Address of Welcome.....
Mayor Fitzgerald of Boston
 Response....J. Woodward Manning
 North Wilmington, Mass.
 President's Address.....
John H. Dayton, Painesville, O.

REPORTS.

- Secretary, John Hall...Rochester, N. Y.
- Treasurer, C. L. Yates...Rochester, N. Y.
- Transportation Committee:
 D. S. Lake.....Shenandoah, Iowa
- Chas. M. Sizemore.....Louisiana, Mo.
- Legislative Committee:
 (East of Mississippi River.)
 Wm. Pitkin.....Rochester, N. Y.
 (West of Mississippi River.)
 Peter Youngers.....Geneva, Neb.
- Tariff Committee:
 Irving Rouse.....Rochester, N. Y.
- Committee on Co-Operation with
 Entomologists:
 L. A. Berckmans.....Augusta, Ga.
- Committee on Publicity and Trade
 Opportunities:
 W. P. Stark.....Louisiana, Mo.
- Committee on Exhibits:
 A. E. Robinson.....Lexington, Mass.
- Committee on Root Gall:
 E. A. Smith.....Lake City, Minn.
- Committee on Entertainment:
 J. Woodward Manning.....

.....North Wilmington, Mass.
 The Question Box is an innovation which it is hoped will be used freely and thereby provoke discussion which will tend to make the sessions interesting. It will be introduced at each session and be conducted by James M. Pitkin, Newark, N. Y.

Meeting of State vice-presidents, 1:30 P. M.

Members from each state are urged to consult together and select their new vice-president.

Wednesday Evening, 8 o'clock.

Illustrated lecture in Horticultural Hall. (See Entertainment Programme.)

Thursday Morning June 13th, 9 o'clock.
 Report of vice-presidents on Officers and Place of Next Meeting.

Paper (subject to be selected).
 Prof. F. A. Waugh, Mass. Agr. Col.,
 Amherst, Mass.
 "What Promising New Trees and
 Shrubs for Future Ornamental Use
 Should Be Grown by Nurserymen?"
 Jackson Dawson, Arnold Arboretum,
 Jamaica Plain, Mass.

Question Box.
 Paper (subject to be selected).
 William C. Barry.....Rochester, N. Y.

Question Box.
 "Reminiscences of a Massachusetts
 Yankee."
 George S. Joselyn.....Fredonia, N. Y.

Greetings from Pacific Coast Asso.
 P. A. Dix.....Salt Lake City, Utah

Thursday Evening:
 Meetings of American Nurserymen's
 Protective Association in the Hotel
 Somerset, at 8 o'clock, Thomas B. Meehan, secretary.

Meeting of American Retail Nurserymen's Protective Association at 7 o'clock in Hotel Somerset, Guy A. Bryant, secretary.

Friday Morning, June 14, 9 o'clock.

"Should Nurserymen Continue to
 Grow Long Lists of Ornamental Shrubs
 and Plants, many of which are seldom
 or never called for?"

S. Mendelson Meehan, of Thomas
 Meehan & Sons, Dresher, Pa.

"A Brief History of the Nursery
 Business in the West and Far West
 and Comments Thereon."
 D. S. Lake.....Shenandoah, Iowa

J. B. Pilkington.....Portland, Oregon

Unfinished Business.
 Resolutions.
 Adjournment.

Be punctual at all sessions.
 Come prepared to participate in discussion of reports of committees and the papers to be presented.

**Roses Originated by
 Jackson Dawson**

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 H. S. DAWSON, Manager.**

Phoenix Canariensis balled, by the carload,
 3, 3½, 4, 4½, 5, 5½ ft., at 40c. 55c. 75c. 95c. \$1.20,
 \$1.45 each. Packing extra for smaller orders.

Phoenix Canariensis in 2 in. pots. \$4.00 per 100
 Washingtonia Robusta, in 2 inch pots,
 \$3.50 per 100.

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 Carnations for fall delivery. Smilax, Violets
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1,000 Lupinus polyphyllus.....	\$0.05
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20,000 Phlox dec. in best varieties.....	.03
10,000 Chrysanthemums in best varieties.....	.03
10,000 Anemone jap. in variety.....	.06
5,000 Armeria maritima.....	.03½
5,000 cephalotes rubra.....	.03½
2,000 Agrostemma flos jovis.....	.03½
2,000 coronaria.....	.03½
2,000 Lathyrus latifolius.....	.04
20,000 Dbl. Garden Pinks in best varieties..	.03½
5,000 Sedum album.....	.03
5,000 acra.....	.03
2,000 Scabiosa caucasica.....	.06
5,000 Lychnis plen. semperflorens.....	.05
5,000 Stokesia cyanea.....	.04
5,000 alba.....	.04
3,000 Centaurea macrocephala.....	.04
5,000 Campanula carpatica.....	.05
5,000 media in variety.....	.05
10,000 Aquilegia in variety.....	.05
2,000 Lobelia cardinalis.....	.04
2,000 syphilitica.....	.04
10,000 Helianthemum in variety.....	.03½
5,000 Papaver nudicaule in variety.....	.04
2,000 orientalis.....	.05
5,000 Delphinium elatum.....	.05
5,000 " hybrida mixed.....	.05
2,000 " sin. alba.....	.04
5,000 Bellis perennis.....	.03

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10,000 Lonicera Halleana.....	.04
2,000 Vinca minor alba.....	.08
4,000 Acroctaphyllus uva ursi.....	.05
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Prices include tubs.

Standard or Tree Shaped.

Stems	Crowns	Each	Pair
36 in.	24 in.	\$ 7 00	\$13 00
45 in.	26 in.	7 50	14 00
45 in.	28 in.	8 00	15 00
45 in.	30 in.	10 00	18 00
48 in.	34 in.	12 00	22 00
48 in.	40 in.	16 00	28 00

Dwarf Standards

Stems	Crowns	Each	Pair
30 in.	24 in.	\$ 7 00	\$13 00
18 in.	24 in.	7 00	13 00
12 in.	30 in.	7 50	14 00

Pyramid Shaped.

Diameter at Base		Each	Pair
5 ft. high,	24 in.	\$ 8 00	\$15 00
6 ft. high,	26 in.	10 00	18 00

Ampelopsis Veitchii.

(Japan or Boston Ivy.)

	Each	Doz.	100
2-year-old plants...	\$0 15	\$1 75	\$12 00
3-year-old plants...	20	2 00	15 00



Standard Bay Tree.

BOX TREES

Prices include green tubs.
10 per cent discount if wanted out of tubs.

Standard or Tree Shaped.

	Each	Pair
18-26 in. stem, 18 in. crown.	\$3 00	\$5 50
18-26 in. stem, 24 in. crown.	4 50	8 00

Pyramid Shaped

	Each	Pair
2½ ft. high.....	\$2 00	\$ 3 75
3 ft. high.....	2 50	4 50
3½ ft. high.....	3 00	5 50
4 ft. high.....	4 00	7 50
5½ ft. high.....	7 50	14 00

Bush Shaped.

Prices do not include tubs.

	Each	Doz.	100
12 in.....	\$0 85	\$ 3 60	\$25 00
18 in.....	60	8 50	
20 in.....	75	8 00	

Dormant Roses.

Strong 2-yr., Field-Grown Plants.

	Each	Doz.	100
Baby Rambler Phyllis.....	\$0 20	\$2 00	\$15 00
Jessie.....	35	3 00	22 50
Crimson Rambler.....	20	2 00	14 00
Caroline Testout, H.T.....	20	2 00	14 00
Frau Karl Druschki, H.P.....	20	2 00	14 00
Kais. Aug. Victoria, H.T.....	25	2 50	16 00



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PINK.		CRIMSON.		WHITE.	
R. C.	per 100	R. C.	per 100	R. C.	per 100
Gloria.....	\$2 50	Pockett's Crimson.....	\$2 50	Lynwood Hall.....	2 50
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Pacific Supreme.....	2 00	YELLOW.		October Frost.....	2 00
Balfour.....	2 00	Crocus, the best yellow.....	\$4 00		15 00
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The above varieties of 'Mums FROM SOIL, \$4.00 per 1000 additional.

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Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Coleus, Althernantheras, red and yellow. Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

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Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2½-in.: \$6.00 per 100; \$50.00 per 1000.
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250 plants at 1000 rates.

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Tree Roses, straight, stiff stems, 4 ft. high, with good heads; hardy sorts only, all colors, \$40.00 per 100.

Rhododendrons, Parson's hardy varieties for outdoor planting, undoubtedly the largest block of imported plants in the country. Fine bright foliage and well filled with buds. Named sorts in all colors. 15 to 18 in. high, 7 to 10 buds, 50c each; 18 to 24 in. high, 8 to 12 buds, 75c each; 24 to 30 in. high, 12 to 16 buds, \$1.00 each, 30 to 36 in. high, 16 to 20 buds, \$1.50 each.

Kalmia Latifolia (Mountain Laurel), 18-in. high, 12 to 15 in. head, with ball of earth, 50c each.

English Ivy, strong 4-in. pot plants, in fine growing condition, 3 ft. of tops, \$12.00 per 100; 2½-in. pots, \$4.00 per 100.

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Very Choice Stock and

Achyranthes, 2-in.....	\$2.50 per 100	EACH	Hydrangea Otaksa.....	2-in.....
Achyranthes.....	3-in.....	\$0.05	" ".....	3-in.....
Ageratum.....	2-in.....	.02½	Lantanas.....	4-in.....
".....	3-in.....	.05	Lobelia.....	2-in.....
".....	4-in.....	.07	" Katherine Mallard.....	2-in.....
Althernantheras.....	2-in.....	.02½	Marguerites, Yellow.....	4-in.....
Caladium Esculentum.....	5-in.....	.15	" Single White.....	4-in.....
Cannas, Florence Vaughan,			Mme. Sallerol.....	2-in.....
Austria.....	4-in.....	.12	".....	3-in.....
Celosia or Cockscombs.....	3-in.....	.05	Penisetum.....	2-in.....
Cobaea Scandens.....	4-in.....	.08	Petunias, Single, Bar Harbor Beauty.....	2-in.....
Coleus, Beckwith Gem, Verschaffeltii, Pfister red and yellow. Golden Bedder.....	2-in.....	.02½	" ".....	3-in.....
Coleus, 3-inch.....		.05	Poinsettias, stock plants, 4-in.....	\$5.00 per 100
CYCLAMEN, 2-in.....	\$4.00 per 100		Pyrethrum, Golden Feather.....	
" 3-in.....	6.00 per 100		Ricinus (Castor Bean).....	3-in.....
Dracaena Ind visa.....	3-in.....	.05	Rose Geranium.....	4-in.....
".....	4-in.....	.10	" ".....	3-in.....
Dusty Miller.....	2-in.....	.02	Roses, Pot Grown.....	5 and 6-in
English Ivy.....	4-in.....	.15	Salvia.....	4-in.....\$1.00 per doz.
".....	3-in.....	.07	Shasta Daisies.....	\$5.00 per 100
".....	2-in.....	.03	Sweet Alyssum.....	2-in.....
Fuchsia.....	4-in.....	.08	Thunbergia.....	2-in.....
German Ivy.....	3-in.....	.06	Verbenas.....	2-in.....
".....	2-in.....	.02½	Vinca.....	4-in.....
Lanatum Vine.....	3-in.....	.07	Vinca Variegata.....	2-in.....
".....	4-in.....	.12	Vinca Minor.....	4-inch \$3.00 per 100
Heliotrope.....	4-in.....	.08	Umbrella Plants.....	2-in.....

We also have on hand about 15,000 or 20,000 Cuttings in sand, ready to be potted, of Marguerites, Ivies, Geraniums, Salvia, Achyranthus and Lobelia, Etc.

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ROSES

For Immediate Sales

Killarney and White Killarney

Clean, strong stock from 2¼ inch pots, ready to shift. \$3.00 per 100; \$25.00 per 1000.

Carnations FROM SOIL, Enchantress, White Enchantress, White Perfection and Dorothy Gordon, \$2.00 per 100.

Cash with Order.

Castle Grove Greenhouses, DANVILLE, PA.

Coleus

Rooted cuttings of good size and well rooted for delivery May 22d, at \$5.00 per 1000. Golden Bedder, Verschaffeltii, and Standards Mixed. Four-inch pot plants from which these cuttings were taken well branched for immediate effect, and two-inch pot plants of the best assortment of giant leaved in the world at \$3.50 per 100.

CARNATIONS

Victory, from two-inch pots at \$1.50 per 100. Washington, at 5.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

THE EARLY ADVERTISE-
MENT GETS THERE.

ROSE PLANTS

2½-Pots.

Bench Plants.

	Per 100	Per 1000		Per 100	Per 1000
American Beauty.....	\$4.50	\$40.00	American Beauty.....	\$5.00	\$45.00
White Killarney.....	5.00	40.00	Pink Killarney.....	4.00	35.00
Pink Killarney.....	5.00	40.00	Killarney.....	4.00	35.00
Perle.....	4.00	30.00	Perle.....	4.00	35.00

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Own Root Perles, \$3.50 per 100 in 2½-in. pots; per 1000, \$30.00.

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Bargain at the Prices Quoted,

ROSES in pots, Lady Gay, Hlawatha, Hermosa, Flower of Fairfield, Baby Dorothy, Yellow Rambler, White Rambler, Magna Charta, Capt. Hayward, 25c each.

BOXWOODS BAY TREES

DRACÆNA INDIVISA

3 inch, \$5.00 per 100; 4 inch, \$1.50 per dozen; \$10.00 per 100; 6 inch, \$5.00 per dozen; 8 inch, large beautiful specimen, \$1.50 ea.

OBELISK.

Net high, 18-inch bottom measure, \$10.00 each

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4 " " 12-14 " "		2.50
8 " " 15-18 " "		4.00
4 " " 24 " "		6.00

Standard.

in. crown	\$1.50
8 " "	2.50
4 " "	3.00
7 " "	4.00
4 " "	6.00
4 " "	9.00
8 " " 18-24 in. stem	9.00
2 " " 18-24 " "	10.00

Pyramid.

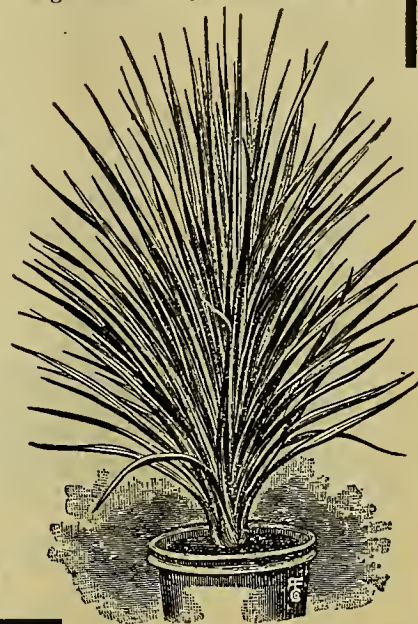
4 ft. high	Each	\$4.00	5-5½ ft. high	Each	\$ 7.00
8 " "		5.00	6 " "		10.00
Boxwoods, square trim. 20 in. high, 15 in. diam.		2.50			

Pyramid.

4 ft. high	Each	\$ 6.50
5 " "		8.00
7 " "		15.00
9 " "		20.00

Standard.

1 ft. stem, 18 in. crown	\$ 4.00
2 " " 18 " "	4.00
2 " " 20 " "	5.00
3 " " 24 " "	6.00
3½ " " 26 " "	7.00
1½ " " 28 " "	7.00
3½ " " 30 " "	8-50
4 " " 48 " "	20.00



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Melody, 2½-in.	120 00 per 1000

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Maryland, 2½-in.	Per 100	Per 1000
	\$5 50	\$50 00

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	WHITE.		2½-in. per	
	R. C. per 100	per 1000	100	1000
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October Frost	2 50	20 00	3 00	25 00
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Clementine Touse	2 50	20 00	3 00	25 00
Alice Byron	2 50	20 00	3 00	25 00
Timothy Eaton	2 50	20 00	3 00	25 00
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Golden Glow	2 50	20 00	3 00	
Holiday	2 50	20 00	3 00	25 00
Col. Appleton	2 50	20 00	3 00	25 00
Major Bonaffon	2 50	20 00	3 00	25 00
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Golden Chadwick	3 00	27 50	4 00	35 00
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	100	1000	100	1000
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White flowering, an improvement on Thos. Hogg.

6-inch pots, bushy plants, 25 cents each.
 10-inch pail-tubs, " " 75 " "

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 Boston, Barrowsi and Elegantissima;
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Pot	Leaves	In. high	Each
2½-in.	4	8 to 10	\$1 50
3-in.	5	12	2 00
4-in.	5	15	\$0 35
5-in.	6 to 7	18	50
6-in.	6 to 7	24	1 00
Cedar tub			
Leaves	In. high	Each	Doz.
7-in.	6 to 7	34 to 36	2 50
9-in.	6 to 7	40 to 45	4 00
9-in.	6 to 7	42 to 48	5 00
9-in.	6 to 7	48 to 54	6 00
9-in.	6 to 7	5 ft.	7 50

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Pot	In. high	Per 100	
2½-in.	8 to 10	\$10 00	

Areca Lutescens			
Cedar tub	Plants in tub	In. high	Each
9-in.	Several	5 ft.	\$7.50

Kentia Forsteriana—Made up				
Cedar tub	Plants	In. high	Each	Doz.
7-in.	4	36	\$2 50	\$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00
9-in.	4	48 to 54	6 00	
12-in.	4	5½ to 6½ ft.	15 00	

Phoenix Roebelenii			
Pot			Each
5-in.	nicely characterized		\$1 00
6 in.	18 to 20-in. spread		1 50
Cedar tub			
High	Spread	Each	
7-in.	18-in.	24-in.	\$2 00

Cibotium Schiedei			
Cedar tub	Spread	Each	
9-in.	4 feet	\$3 00	
9-in.	5 feet	5 00	
9-in.	6 feet	6 00	

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\$30.00 per 1000. 3-in., \$6.00 per 100.		
500 at 1000 rate. Cash with order.		

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Pillsbury Carnation Staple
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Sweet alyssum, Little Gem, R. C., 60c per 100; \$5 per 1,000; 2-in., 2c; \$18 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

ALTERNANTHERAS.

Alternanthera, A. N. Pierson, Inc., Cromwell, Conn.

Alternanthera, red and yellow, 2¼-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Alternanthera, R. C., P. Major, A. Nana, 50c per 100; \$4 per 1,000. J. W. Davis, 225 W. 16th St., Davenport, Ia.

AMPELOPSIS.

Ampelopsis Veitchii, 3-year-old, \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

AQUAT CS.

Water hyacinths, \$2.50 per 100; \$20 per 1,000. J. G. Strong, 505 Gray St., Lake Charles, La.

AQUILEGIA

Aquilegia (Columbine) white or mixed, 3-year clumps, \$5 per 100. Cash. Stevens' Gladioli Company, Saginaw, Mich.

ARAUCARIAS.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechslein, 4911 Quincy St., Chicago.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 4-in., 6 to 8 ins., case lots of 50 and 100 each, \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ARTILLERY PLANTS.

Artillery plants, 2¼-in., \$2.50 per 100. Hehl's Greenhouses, West Toledo, O.

ASPARAGUS.

Asparagus plumosus nanus, from 2¼-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, prop., Chatham, N. J.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

ASPARAGUS SPRENGERI, extra heavy 3¼-in., \$4 per 100; 2-in. ASPARAGUS PLUMOSUS, \$2.50 per 100; 3-in., fine stock, \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus, 2½-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. Sprenger, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus nanus, 2¼-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Asparagus plumosus, 2¼-in., \$3 per 100; \$25 per 1,000. Sprenger, 2½-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2¼-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprenger, 2¼-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2¼-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprenger, can be shifted into 5-in., \$6 per 100. O. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, \$2.50 per 100. Sprenger, 4-in., \$3.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 3¼ in., \$7 per 100. Calvert Floral Co., Lake Forest, Ill.

Asparagus plumosus and Sprenger, 3-in., \$5.50 per 100. Goshen Floral Co., Goshen, Ind.

ASTERS.

Aster plants, Vick's and Semple's branching, Victoria, Carlson's and Comet, Seedlings, 50c per 100; transp., \$1 per 100. Danville Floral Co., Danville, Ill.

AZALEAS.

Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea mollis, 12-15 ins., 10 to 16 buds, \$25 per 100. Storrs & Harrison Co., Painesville, O.

Azalea. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

BAY and BOX TREES. Fine assortment. State size wanted. Wagner Park Conservatories, Sidney, O.

Bay trees and box trees; all sizes. Write for special list. Julius Roehra Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay Trees. Bobbink & Atkins, Rutherford, N. J.

BEDDING PLANTS.

Bedding plants. Abutilon Savitzi; Acalypha macleodiana; Achyrantes Emersoni; ageratum, 7 varieties; Begonia Vernon; Cuphea platycentra; Cineraria Maritima candidissima; Cannas, assorted and King Humbert; Coleus, Brillancy and 11 standard varieties; Chrysanthemums, hardy pompons; Fuchsia; Göttingen and Marinka; hardy English ivy; Geraniums, ivy leaved, Mt. of Snow, Mrs. Pollock, Silver leaf Nutt, Sophie Dumaresque; Heliotrope Chieftain and Mme. Bruant; Lemon verbena; moonvine, white and blue; petunias, dbl. fringed mixed; Sage Holts mammoth; Salvia Bonfire and Zurich; Senecio scandens, parlor ivy; Verbenas, 5 vars.; hardy phlox, 10 varieties. For sizes and prices see advertisement elsewhere in this issue. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Coleus, alternantheras, red and yellow; heliotrope, scarlet sage, lemon verbena, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Bedding Stock of all kinds. Geo. A. Kuhl, Pekin, Ill.

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Begonias, Lorraine, 2½-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Turford Hall, Betty Anderson, La Patrie, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehra Co., Rutherford, N. J.

Begonia Lorraine, extra fine plants, from 2½-inch pots, guaranteed all from leaf cuttings, at \$2.50 per 100. Cash or satisfactory references. ELITCH-LONG GREENHOUSES, Denver, Colo.

Begonia Glory of Cincinnati, young shoots from base, \$15 per 100; \$140 per 1,000. J. A. Peterson, Cincinnati, O.

Begonias, Gloire de Lorraine and Glory of Cincinnati, \$2 per doz.; \$15 per 100; \$140 per 1,000. Vaughan's Seed Store, Chicago and New York.

Bex Begonias, assorted, 3-in., \$5 per 100. The Dincee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Bush box, 12 ins., 80c each; \$25 per 100. Storrs & Harrison Co., Painesville, O.

BOXWOODS. Pyramidal, a limited stock to close, 4 to 5 ft., \$3.50 each; 3 to 4 ft., \$2.50 each; 2 ft., 75c each. Cash with order. F. O. Franzen, 1476 Summerdale Ave., Chicago, Ill.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, gladiolus, Kunderi "Glory," per 100, \$7.50; per 1,000, \$70. America, 1¼ to 1½-in., \$27.50 per 1,000. Mrs. Francis King, 1¼ to 1½-in., \$17 per 1,000. Augusta, 1¼ to 1½-in., \$16 per 1,000. Princeps, per 100, \$10. Extra fine mixture, part named, \$18. Tuberoses, Dwarf Pearl, medium, 3-4 in., \$5 per 1,000. Lillium surstium, 8-9 in., \$50 per 1,000; 9-11 in., \$30. Vaughan's Seed Store, Chicago and New York.

Bulbs, Gladiolus, America, \$3.50 per 100; \$30 per 1,000; Augusta, \$2.25 per 100; \$20 per 1,000; Francis King, \$2.75 per 100; \$25 per 1,000; White and light mixture, \$1.75 per 100; \$15 per 1,000. Casidiums, 5-7-inch., \$2 per 100. Glorinas, separate, \$3.50 per 100; \$30 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Glorinas, separate colors, 75c per doz.; \$6 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Japan Lily bulbs, Lillium giganteum, long-florum, Formosa, multiflorum, magnificum, Mel-pomene, rubrum, album, auratum, etc. The Japan Lillium Co., 952 40th St., Oakland, Calif.

Bulbs, Horseshoe Brand Lillium Harrisli. For prices see advertisement elsewhere in this issue. Raiph M. Ward & Co., 12 West Broadway, New York.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neglinscott, etc., Lillies. E. S. Miller, Wading River, N. Y.

Bulbs, Begonias and glorinas. McHutchison & Co., 17 Murray St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

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The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, leading kinds. Cedar Hill Gardens, Sea Cliff, L. I., N. Y.

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If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Canna. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

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CARNATIONS.
Strong, Well Rooted Cuttings.

	Per 100	Per 1000
Washington	\$6.00	\$50.00
White Wonder	6.00	50.00
White Enchantress, pure white	3.00	25.00
White Perfection	3.00	25.00
Victory	3.00	25.00
Scarlet Glow	3.00	25.00
May Day, very fine	3.00	25.00

CHICAGO CARNATION CO.
A. T. Pyfer, Mgr., 30 E. Randolph St., Chicago.

EXTRA CHOICE CARNATIONS. Winsor, White Lawson and Victory. Closing out surplus of young stock. All choice, extra large plants, ready for bench or field, \$3.50 per 100, or \$30 per 1,000. Cash or reference. **ELITCH-LONG GREENHOUSES,** Denver, Colorado.

Carnations, Enchantress, Pure White Enchantress, Rose Pink Enchantress, \$3 per 100; \$25 per 1,000. Mrs. C. W. Ward, Dorothy Gordon, \$3.50 per 100; \$30 per 1,000; White Winsor, \$6 per 100; \$50 per 1,000. Smith & Gannett, Geneva, N. Y.

Carnations, Washington, \$4 per 100; \$35 per 1,000. Mrs. C. W. Ward, \$3 per 100; \$25 per 1,000. Beacon, \$3 per 100; \$25 per 1,000. May Day and Sangamo, \$2.50 per 100; \$20 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward, White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnation California Giant, \$3 each; \$30 per doz. Richard Diener & Co., Mountain View, Calif.

Carnations, strong 2-in. stock, Mrs. C. W. Ward, Alma Ward and Dorothy Gordon, \$3.50 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Carnation The Herald. \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, F. Dornier & Sons Co., La Fayette, Ind.

Carnations, Victory, 2-in. pots, \$1.50 per 100. Washington, \$5. A. M. Herr, Lancaster, Pa.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

	R. C. Per 100	Per 1,000
Crimson	2.00	20.00
Pocket's Crimson	2.00	20.00
Intensity	2.00	20.00
White	2.00	20.00
Alice Byron	\$2.00	\$15.00
Touset	2.00	15.00
October Frost	2.00	15.00
Yellow	R. O. Per 100	Per 1,000
Crocus	\$4.00	\$35.00
Golden Glow	2.00	15.00
Halliday	2.00	15.00
Maj. Bonnaffon	2.00	15.00
Pink	R. C. Per 100	Per 1,000
Pacific Supreme	\$2.00	\$15.00

J. D. THOMPSON CARNATION CO., JOLIET, ILL.

ROOTED CUTTINGS out of Sand. Out Door Propagation. Ready to ship. Safe arrival guaranteed. **WHITE**, \$1.50 per 100; \$12.50 per 1,000; **Early Chadwick**, Kalb, White Cloud, Mlle. Desjouis, Florence Pullman, Mrs. Buckbee, Silver Wedding, Lynwood Hall, Queen, Timothy Eaton, Yanoma, **YELLOW**, \$1.50 per 100; **Monrovia**, Halliday, Appleton, Golden Wedding, **PINK**, \$1.50 per 100; \$12.50 per 1,000; **W. H. Simpson**, J. Rosette. **SINGLE SORTS:** Cosmos, Pink; Lady Smith, pink. **MEMPHIS FLORAL CO.**, 145 South Main St., Memphis, Tenn.

Chrysanthemums, Major Bonnaffon, Standard yellow, every plant well rooted, \$10 per 1,000. Cash with order. Charles M. Weaver, Ronks, Pa.

Chrysanthemums, strictly first-class stock, White Chadwick, Yellow Chadwick, White Jones and Yellow Jones, R. C., \$2.50; 2 1/2-in., pots, \$3.50 per 100. Otto J. Hembreker, Lincoln, Ill.

Chrysanthemums. The best for florista' use. For list of varieties see elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, first-class of the following varieties: Touset, Golden Glow, Early Snow, Pacific Supreme, Bonnaffon, Ivory, Halliday, Enguehard, White and Pink Maud Dean, Minnie Bailey, Pompons, Diana, Geo. Hager, \$1.50 per 100; \$13 per 1,000. Leonard Utzinger, 800 Lake View Road, Cleveland, O.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

HEADQUARTERS

CHRYSANTHEMUMS, ROOTED CUTTINGS

	Per 100	Per 1,000
White		
White Ivory	2.00	\$20.00
Chadwick	2.50	\$25.00
October Frost	2.00	20.00
Yanoma	2.00	20.00
Mrs. Buckbee	2.00	20.00
W. Bonnaffon	1.50	15.00
Douset	1.50	15.00
W. Gloria	2.00	20.00
Yellow		
Major Bonnaffon	2.00	20.00
Yellow Eaton	2.00	20.00
Golden Chadwick	2.50	25.00
Golden Glow	1.50	15.00
Monrovia	1.50	15.00
Robt. Halliday	2.00	20.00
Col. Appleton	2.00	20.00
Golden Eagle	2.00	20.00
Nagoya	1.50	15.00
Pink		
Rosiere	1.50	15.00
Pacific	1.50	15.00
Monogram	1.50	15.00
Ivory	2.00	20.00
Gloria	2.00	20.00
Dr. Enguehard	2.00	20.00
J. Rosette	1.50	15.00
Wells Late Pink	2.00	20.00
Marian Newell	2.00	20.00

POMPONS.

	Per 100	Per 1,000
White		
Baby Margaret	2.00	20.00
Diana	2.00	20.00
Garza	2.00	20.00
Lulu	2.00	20.00
Yellow		
Quinola	2.00	20.00
Baby	2.00	20.00
Pink		
Mrs. E. Roberts	2.00	20.00
Ladysmith	2.00	20.00
Emilie	2.00	20.00
Bronze		
Mary Richardson	2.00	20.00

WIELTOR BROS.,

162 N. Wabash Ave., Chicago.

CHRYSANTHEMUMS. Strictly first-class rooted cuttings of the following varieties: Maj Bonnaffon, White Ivory, Amorita, Rosiere, De Kalb, October Frost, Golden Glow, Monrovia, etc., at \$2 per 100; \$15 per 1,000. Clementine Touset, Jeanne Nounin, Dr. Enguehard, Vivian-Morel, Mrs. Robinson, Timothy Eaton, Maud Dean, Col. Appleton, Robt. Halliday, Helen Frick, Yellow Eaton, Golden Wedding, Thurlkle, etc., at \$2.50 per 100; \$20 per 1,000. Cash or satisfactory reference. **ELITCH-LONG GREENHOUSES,** Denver, Colorado.

Chrysanthemums, strong rooted cuttings. White: Alice Byron, Chadwick, Early Snow, \$2 per 100; \$18 per 1,000. Polly Rose, \$1.50 per 100; \$15 per 1,000. Pink: Patty (Enchantress color), \$2.50 per 100; \$20 per 1,000. Pacific Supreme, \$2 per 100; \$15 per 1,000. Dr. Enguehard, \$1.50 per 100; \$15 per 1,000. Yellow: Dolly Dimple, Nagoya, Golden Eagle, \$2 per 100; \$18 per 1,000. Bonnaffon, Robt. Halliday, \$1.50 per 100; \$15 per 1,000. Cash with order. Shipped direct from greenhouses. A. L. Young & Co., Wholesale Florist, 54 W. 28th St., New York City.

CHRYSANTHEMUMS, R. C., \$2; 2 1/2-in., \$3.50; 3-in., \$5. White: Kalb, Bonnaffon, J. Jones, Robinson. Pink: Ivory, J. K. Shaw, Dr. Enguehard, Maud Dean, Yellow: Monrovia, Robt. Halliday, Golden Wedding, Yellow Chadwick, Golden Glow, Bonnaffon, Golden Age, Appleton. **Geo. A. Kuhl, Pekin, Ill.**

Chrysanthemums. Our collection of over 50 varieties cover all that is desirable. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums. Chas. H. Totty, Madison, N. J.

Chrysanthemums. Wm. Swayne, Box 85, Kennett Square, Pa.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, R. C., \$5 per 1,000, Golden Bedder, Verschaffeltii and Standards mixed, 4-in. pot plants and 2 1/2-in. assorted giant leaved, \$3.50 per 100. A. M. Herr, Lancaster, Pa.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, mixed, 2-in., \$18 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Coleus, asst., 2 1/2-in., \$2.50 per 100. Heini's Greenhouses, West Toledo, O.

Coleus, 10 varieties, 2 1/2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

CUPHEAS,

Cupheas, 2 1/2-in., \$2.50 per 100. Heini's Greenhouses, West Toledo, O.

CYCLAMENS.

Cyclamen Gigantea, transplanted Aug. seedlings, Cream of English and German strain, including orchid and best salmon flower, 10 separate varieties, 4-6 leaves, ready to pot, \$3 per 100; \$25 per 1,000. Rober & Radke, Maywood, Ill.

Cyclamens, 3-in. pots, \$10 per 100; \$80 per 1,000. Julius Roehra Co., Rutherford, N. J.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia grower in the world. Send list of wants for prices before ordering elsewhere. **PEACOCK DAHLIA FARMS,** Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, leading kinds, \$3.50 per 100; \$30 per 1,000. Divided field-roots, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Dahlias, our selection of varieties, \$5 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias, new and standard varieties. Bassett & Welser, Hammonont, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

DAISY HEADQUARTERS. We offer the three best, Mrs. Sander, Sollel d'Or (yellow), and Queen Alexandra, strong plants from 2 1/2-in. pots, \$5 per 100. **WIELAND & RISCH,** 154 N. Wabash Ave., Chicago.

DRACAENAS.

Dracena indivisa, 5-in., \$3 per doz.; \$25 per 100; 6-in., \$5 per doz.; \$35 per 100. Extra large plants, pot-grown. Cash with order please. Leonard Utzinger, 800 Lake View Road, Cleveland, O.

Dracena indivisa, 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$4 per doz., \$30 per 100. Large plants, 8 and 9-in., \$1, \$1.50 and \$2. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Witthold Co., 739 Buckingham Pl., Chicago.

Dracena indivisa, pot-grown, stock green to the points, 5-in., \$25 per 100; 6-in., \$35 per 100; 7-in., \$75 per 100. John Irvine & Sons, Bay City, Mich.

Dracena indivisa, 4-in., \$10 per 100; 6-in., \$25 per 100. Calvert Floral Co., Lake Forest, Ill.

Dracena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roehra Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Amerpohl, Barrowsii, Scotti, Elegantisima, Boston, Jackson, Sword and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dingee & Conrad Co., West Grove, Pa.

Ferns for dishes, transplanted, ready for pots, 5 vars., \$1.00 100; \$9.00 1,000. To make room, 2-in., vars., \$2.50 100; \$20.00 1,000. Aspidium tassumense, Cyrtomium falcatum, \$3 100. Cash, please. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrow & Son, Whitman, Mass.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechala, 4911 Quincy St., Chicago.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

500 Boston ferns out of 3-in., at \$5 per 100. Edgar Easterday, Nokomis, Ill.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

GERANIUMS.

GERANIUMS, all varieties. Large plants, \$8 per 100. M. C. Gunterberg, 82-86 E. Randolph St., Chicago, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

GERANIUMS. We have an especially nice lot of S. A. Nutt, Grant, Poltevine and Buchner, 4-in., 2 1/2-in., rooted cuttings and stock plants. If you need any we will be pleased to submit interesting prices. The W. T. Buckley Co., Springfield, Ill.

Geraniums, 10,000 S. A. Nutt, good strong 4-in. in bud and bloom; we are sure this stock will please you at \$3 per 100. Cash with order please. Frank Felke, 828 Ridge Ave., Wilmette, Ill.

Geraniums, S. A. Nutt, Ricard, Benute Poltevine, White Buchner, 2 1/2-in., 3c; 2-in., 4c; 4-in., 7c and 8c. Good, stocky plants in bud and bloom. Cash with order. Gus Schlegel, Olney, Ill.

Geraniums, standard sorts, strong plants, well grown, 4-in., \$3 per 100; 3-in., \$6 per 100. Jas. Jackson, Kalamazoo, Mich.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poltevine, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, R. C., \$10 per 1,000, Nutt, Poltevine, Ricard, A. M. Herr, Lancaster, Pa.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, Nutt, and 5 varieties 3-inch, my selection, \$6 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, S. A. Nutt, 4-in., \$7 and \$8; 3-in., \$5 per 100. Benute Poltevine, 3-in., \$6 per 100. Otto J. Hembreker, Lincoln, Ill.

100 S. A. Nutt geraniums out of 3-in. pots at \$4 per 100. These are a bit leggy. Edgar Easterday, Nokomis, Ill.

Geraniums, ivy, 2 1/2-in., \$2.50 per 100. Heini's Greenhouses, West Toledo, O.

Geraniums, 4-in., all colors, \$7 per 100. Calvert Floral Co., Lake Forest, Ill.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 63 W. 28th St., New York.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens. Henry M. Robinson & Co., 46 W. 26th St., New York.

HARDY PLANTS.

Hardy pink, field clumps, \$2 per 100. Sweet williams, field clumps, \$3 per 100; \$25 per 1,000; small plants, 50c per 100; \$3.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Hardy perennials. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Ruthersford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 3-in., \$4 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangeas for summer flowering, 11-in. pail-tubs, 5 to 6 leads, \$1 each; 12-in. Riverton tubs, 8 to 10 leads, \$2.50 each; 14-in., 10 to 12 leads, \$3.50 each. Jeanne d'Arc, 6-in. pots, 25c each; 10-in. pail-tubs, 75c. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Hydrangeas, two to six flowers each, 6 and 7-in., 50c, 75c, \$1 and \$1.50 each. Large plants for later blooming, in cedar tubs, 14-in. diam., \$3 and \$4 each; in butter tubs, \$1 less; extra large specimens in half barrels, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

English ivy, the large leaved, hardy variety; splendid plants, 2 to 2 1/2 feet long, \$10 per 100; \$90 per 1,000; in lots of 5,000, \$80 per 1,000. John Irvine & Sons, Bay City, Mich.

English ivy, 2 1/2-in., \$3 per 100. The Good & Reese Co., Springfield, O.

English ivy, 4-in., \$12 per 100; 2-in., \$3.50. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantana delicatissima, 2-in., \$2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, \$3 per 100. Storrs & Harrison Co., Painesville, O.

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Harburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the Valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MOONVINES.

Moonvines, strong 2 1/2-inch, \$4.50 per 100. Joseph Heini & Sons, Jacksonville, Ill.

MUSHROOM SPAWN.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks; Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, ornamental trees and shrubbery. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock of all kinds. The New England Nurseries, Bedford, Mass.

Evergreens. D. Hill Nursery Co., Box 404, Dundee, Ill.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Reigate, England.

Orchids, Cattleya and Laelia Auceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Phoenix Canariensis and Areca Sapida. For prices see advertisement elsewhere in this issue. The Kentia Nurseries, Santa Barbara, Calif.

Cycas stems, dormant, 50 lbs., per lb., 10c; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs and up, 7 1/2c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl., 3-in. in bud and bloom, \$4 per 100. Heini's Greenhouses, West Toledo, O.

Petunias, \$3 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, 2 1/2-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2 1/2-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash, please. Rober & Radke, Maywood, Ill.

PRIMULAS.

Primula, 2-in., frame grown, main specialty for many years, ready June 15. OBCONICA Ronsdorfer and Lathamiana atraina, positively best in existence. GRANDIFLORA, 10 colors and GRANDIFLORA FRINGED, 5 colors, 2 1/2c. GIGANTEA, 5 colors, 3c. CHINENSIS GRANDIFLORA FRINGED, 11 colors, 2 1/2c. J. L. SCHILLER, Toledo, O.

PRIVET.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 in., 3c. The Dinger & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS. Fine specimen plants, 10 to 12 buds, 50c each. Cash with order. F. O. Franzen, 1476 Summerdale Ave., Chicago, Ill.

Rhododendrons, 18 to 24 in., 8 to 12 buds, 75c each; 24 to 30 in., 12 to 16 buds, \$1 each; 30 to 36 in., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 18-24 in., named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

ROSES.

CHOICE ROSE PLANTS. Per 100 Per 1,000

Table with 3 columns: Name, Price per 100, Price per 1,000. Includes American Beauties, Pink Killarney, White Killarney, Richmond, Jardine, Uncle John.

Ready Now, Order Early. WIETOR BROS., 162 N. Wabash Ave., Chicago

ROSE PLANTS. Extra fine clean, healthy and well grown stock. Per 100 Per 1,000

Table with 3 columns: Name, Price per 100, Price per 1,000. Includes Richmond, Melody, My Maryland, My Maryland.

SINNER BROS., 82 E. Randolph St., Chicago, Ill.

ROSES—ROSES. Richmond, 2-in. pots, \$35.00 per 1,000

Kaiserin, 2-in. pots, \$35.00 per 1,000 Mrs. Aaron Ward, 2-in. pots, \$10.00 per 100

Melody, 2-in. pots, \$10.00 per 100

SALVIA splendens, 2-in., pots, \$2.00 per 100; 3-in. pots, \$3 per 100. Cash with order.

J. HENRY BARTRAM, Lansdowne, Pa.

ROSES FOR LINING OUT. Orleans, \$7.50 per 100

Hawatha, \$7.50 per 100 Lady Gay, \$4.00 per 100

Evangeline, \$10.00 per 100 Minnehaha, \$10.00 per 100

Miss Measman of Climbing Baby Rambler, \$7.50 per 100

THE CONARD & JONES CO., West Grove, Pa.

NEED ROSE PLANTS? We Ship Orders Same Day. Per 100 Per 1,000

Mrs. Taft, 2 1/2-in., \$6.00; 2 1/2-in., \$7.00 Killarney, 2 1/2-in., \$3.00; 2 1/2-in., \$5.00

White Killarney, 2 1/2-in., \$3.00; 2 1/2-in., \$5.00 Richmond, 2 1/2-in., \$3.00; 2 1/2-in., \$5.00

Melody, 2 1/2-in., \$6.00; 2 1/2-in., \$8.00 Maryland, 2 1/2-in., \$4.00; 2 1/2-in., \$6.00

WELLAND & RISCH, 154 N. Wabash Ave., Chicago.

Roses, Killarney Queen, and Dbl. White Killarney, grafted, \$30 per 100; 250, \$70; \$250 per 1,000; own roots, \$25 per 100; \$200 per 1,000.

Richmond, grafted, \$15 per 100; \$120 per 1,000; own root, \$7.50 per 100; \$60 per 1,000. Mrs. Taft, own roots, \$7.50 per 100; \$60 per 1,000. Radlance, own root, \$7.50 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

ROSES.		
	2 1/2-in.	3-in.
American Beauties	\$6.00	\$8.50
Bride	3.50	6.00
Bridesmaid	3.50	6.00
Ivory	3.50	6.00
Uncle John	3.50	6.00
Richmond	4.00	7.50

GEO. A. KUHL, PEKIN, ILL.

Roses, 2 1/2-in., Am. Beauty, \$4.50 per 100; \$40 per 1,000. White Killarney, Pink Killarney, My Maryland, \$5 per 100; \$40 per 1,000. Perle, Richmond, \$4 per 100; \$30 per 1,000. Bench plants: Am. Beauty, \$5 per 100; \$45 per 1,000. Pink Killarney, Killarney, Perle, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

ROSE PLANTS.

	Per 100	Per 1,000
American Beauty, 3-in.....	\$5.00	\$45.00
Pink Killarney, bench 1-year-old	3.50	30.00
Asparagus plumosus, 1-year-old.	3.00	25.00

GEO. REINBERG,
162 N. Wabash Ave., Chicago, Ill.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100, 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

19,000 ROSE PLANTS, Bride, Pink Killarney and Richmond. MAKE US AN OFFER on the whole lot or part and if it sounds good they are yours. They are all fine, healthy bench plants, but must be sold at once to make room for our new Rose Wilhelmna. A bargain for some one. Grab it now. HOERBER BROS., Des Plaines, Ill.

Roses, bench Beauties, \$5 per 100; \$40 per 1,000. My Maryland, 2 1/2-in., \$4 per 100; \$35 per 1,000. Pink Killarney, White Killarney, 2 1/2-in., \$4 per 100; \$35 per 1,000. Mrs. Taft, 2 1/2-in., \$6 per 100; \$50 per 1,000. J. A. Budlong, 82-86 E. Randolph St., Chicago.

Roses, grafted, Mrs. Aaron Ward, \$12 per 100. White Killarney, \$12; Rhea Reid, \$12. Perles, own roots, \$3.50 per 100; 2 1/2-in. pots, \$30 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, Killarney and White Killarney, 2 1/2-in., \$5 per 100; \$45 per 1,000. Castle Grove Greenhouses, Danville, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Esmlers, hybrid teas, hybrid perpetual, dwarf polyanthas. Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

ROSES. Send for New Trade List just out. THE CONARD & JONES CO., West Grove, Pa.

Roses. Eastern Nurseries, 1090 Centre St., Jamaica Plain, Mass.

SALVIAS,
Salvias, Fauntleroy and Zurich, 3-in., \$4 per 100. Hehl's Greenhouses, West Toledo, O.

SEEDS.

GERANIUM SEEDS. Mammoth hybrids, our own production, single flowers, two inches to over three inches diameter. Trusses five inches to over eight inches. Insect crossed, all shades. Grand novelties. Price, trade packets, \$1 each. Richard Diener & Co., Mountain View, California, U. S. A.

SOW NOW if you want them for early Spring sales.
6 tr. Tr. Pkts. Pkts.
Begonia Bedding Queen, finest pink \$2.50 \$0.50
" Gracillis Inimicus, finest red 2.50 .50
" Triumph, finest white..... 2.50 .50
O. V. Zangen, Hoboken, N. J.

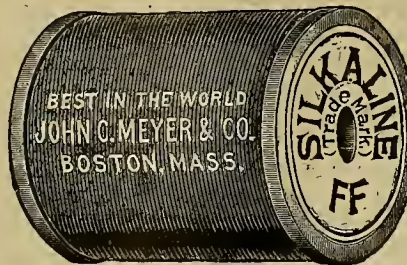
Seeds, beans, peas, sweet peas, corn, onions, turnip, radish, beet, etc. The Everett B. Clark Seed Co., Milford, Conn.

Seeds, watermelon and muskmelon. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, sweet pers. Barnett Bros., 72 Cortlandt St., New York.

Seeds, specialties, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, N. J.

Seeds. Richard Diener & Co., Mountain View, Calif.



The Meyer Green Silkline

The Best Thread on The Market for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass. THE LOWELL THREAD MILLS.

SMILAX.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.
Smilax, 2 1/2-in., \$15 per 1,000. W. W. Coles, Kokomo, Ind.

SNAPDRAGONS'

Snappdragons, red, yellow, pink and white, 2 1/2-in., \$2.50 per 100. Hehl's Greenhouses, West Toledo, O.

UMBRELLA PLANTS.

Umbrella plants, 12 inches diameter, 50c each; 18 inches diameter, \$1 each. City Nursery, Santa Barbara, Calif.

VEGETABLE PLANTS.

Vegetable plants, Early Jersey Wakefield, Fruitless, All Head and Succession Cabbage plants, \$1 per 1,000. Selected plants ready to plant out, \$2 per 1,000. Tomsto plants, New Stone, Earliana, Matchless, Truckers' Favorite, June Pink, Beauty and others, good stocky plants, \$2.50 per 1,000. Packing and safe arrival guaranteed. Danville Floral Co., Danville, Ill.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. Shula Seed Store, 544 W. 63rd St., Chicago.

Earliana tomsto plants out of 2 1/2-in. at \$2 per 100. Edgar Easterday, Nokomis, Ill.

VERBENAS.

Verbena, mammoth white purple, Defiance, Mayflower, 60c per 100, separate colors. Gigantea, mixed with white eye, very fine, 75c per 100. Rober & Radke, Maywood, Ill.

Verbena, 2 1/2-in. (seedlings), \$2.50 per 100. Hehl's Greenhouses, West Toledo, O.

VINCAS.

VINCA VAR. FINEST WE HAVE ever grown, 5,000 4-in. stock now ready, field-grown all last season, then benched and potted midwinter. Order now, satisfaction guaranteed; 8c and 10c. Cash please. Dobbs & Son, Auburn, N. Y.

Vinca variegata, extra strong, grown at edge of benches, 2 1/2-in., 3c; 3 1/2-in., 8c; 4-in., 10c; 5-in., 15c. Cash, please. Hehl's Greenhouses, West Toledo, O.

Vinca variegata, extra strong, 2 1/2-in., \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinca variegated, 4 and 5-in., 6, 8 to 10 long streamers, fine plants, 12c each. Cash. Gua. Schlegel, Olney, Ill.

Perrywinkle, in bud and bloom, 2 1/2-in., \$3 per 100. Hehl's Greenhouses, West Toledo, O.

Vincas, big, strong, 3-inch, \$5 per 100; \$45 per 1,000. C. Humfeld, Clay Center, Kans.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machloe & Boiler Works, 850 Superior St., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Richardson Greenhouse Boilers. Richardson & Boynton Co., 31 W. 81st St., New York. 66 E. Lake St., Chicago. 51 Portland St., Boston. 1107 Arch St., Philadelphia.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschell Broa. Co., 452 W. Erie St., Chicago.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietrich Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, 1 to 2-ins. thick, random or specified widths, 10 to 16 feet. William-Kunz Mill and Lumber Co., Mount City, Ill.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Steel and iron work. Scully Steel and Iron Co., Chicago and New York.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galeburg, Ill.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reet Pottery Co., South Zanesville, Ohio.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cone Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

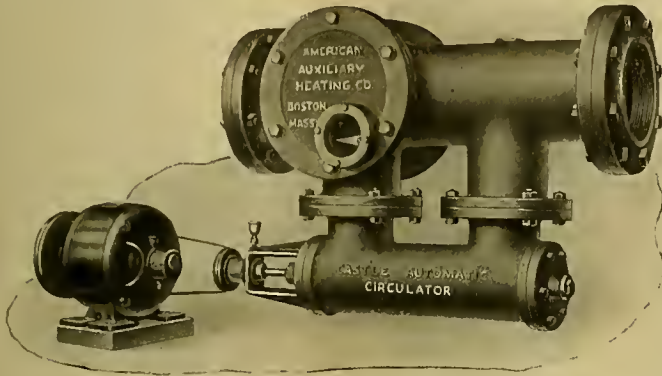
If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

One Florist saved \$257.50

(19 tons of coal and the wages of a night fireman for four months)

BY INSTALLING A

Castle Automatic Circulator



WHICH USED ONLY \$26.00 WORTH OF POWER

It is positive in action—the flow does not depend upon temperature.
It is insurance—it maintains just the right temperature day and night.
It saves coal—more water goes through the piping—a larger percentage of the heat units are used for heating the houses.

Ask us for results obtained in greenhouses which could not be satisfactorily heated before our circulator was put in.

American Auxiliary Heating Co.
 6 Beacon Street, BOSTON, MASS.

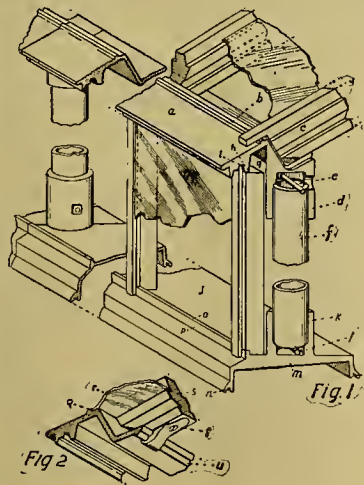
Ft. Wayne, Ind.

Governor Marshall of Indiana issued a proclamation pertaining to Mother's day and commending the beautiful sentiment of wearing flowers for "the best mother who ever lived—your own." Besides this the florists caused articles to be published in the daily papers and this brought a large response from the public. The flower stores were crowded Friday and Saturday, but owing to the inclement weather on Sunday, the trade was not as good as expected. The quality of carnations was very good and the supply was equal to the demand—many of the growers holding back their stock for this day. On the whole we feel that Mothers' day may take its rank among the really big days on the florists' calendar. Business the last week has been very good, taking into consideration the inclement weather the fore part of the week. The demand has been mostly for funeral work. There have been several large weddings within the fortnight that called for elaborate decorations. The supply of stock has been scarcely equal to the demand. There have been some elegant snapdragon on the market lately. Roses are good—particularly the Killarney. Carnations are good but scarce. Sweet peas are getting scarce. Out-of-door lilac has met a good demand. Pansies, mignonette and the smaller flowers have been used a great deal for corsage work. Trade in bedding plants is very good for the late season.

One of the notable wedding decorations of the season was that executed last week for the Hoffman-Hoffman wedding by the C. B. Flick Floral Company. It was a blossom wedding and the church where the wedding ceremony took place was banked with palms and many delicately tinted blossoms. Tall, lighted candles lent their soft radiance to the scene. The reception was held at the Hoffman

METROPOLITAN MATERIAL CO.

1361-1383 Flushing ve., BROOKLYN, NEW YORK



Metropolitan Patent Iron Wall Construction

WITH a little extra cost above wood, and with less trouble, anyone can put up our Iron Wall Greenhouse by bolting the different pieces together and securing roof bars for any size glass to the iron side plate and drip conductor combined. Side bars are held securely without the use of nails or screws. To economize wall plate may be eliminated.

Get our prices, circulars and plans on Louisiana Cypress, Heating, Ventilating, Bench Materials, Hot-Bed Sash, Glass, Etc.

SPECIAL OFFER

That every one may know the superior qualities of the

Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., Cash to accompany the order, one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod. Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.



J. G. MASTIN CO

3124 West Lake St. CHICAGO, ILL.

Mention the American Florist when writing

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

residence, which had been converted into a veritable woodland bower. The effect was produced by quantities of huckleberry foliage that arched the doorways, covered the chandeliers, grew out of the fire-places and gave a beautiful woody effect, bringing out the exquisite coloring of the huge clusters of enormous snapdragons, fruit-blossoms, flowering almond and lilac which were arranged in tall wicker vases or wicker wall pockets and placed promiscuously through the rooms, some of the blossoms even clamoring up the stairway. An especially good feature of the decoration was the high arrangement of the flowers, so that none of the charming effect was lost after the rooms were filled with the guests. Among the out-of-town guests were Governor and Mrs. Marshall of Indianapolis and Secretary of State Lew G. Ellington.

Another wedding of interest was that of Miss Bon Silene Auger, daughter of Mrs. Lydia Auger, to Herbert P. Coverdale, on Saturday, May 18. Miss Auger has the distinction of being the grand-daughter of the first florist in Indiana and daughter of Louis Auger, the first florist in Fort Wayne. Miss Auger was named after the beautiful Bon Silene rose.

The news of the death of John H. Vesey, which occurred here Friday night, May 17, will be a great shock to his many friends. Mr. Vesey was a brother to Judge W. J. Vesey, the well-known florist here, and he was at one time connected with the Alpha Floral Company of Des Moines, Iowa. His death was due to apoplexy. P. P. F.

SAN FRANCISCO, CALIF.—Flowering plants were most in demand with lilies of course in the lead and the increase in the total sales of the Easter business was about 10 per cent, says H. Plath. The supply of plants and cut flowers was adequate to meet the demand and all seasonable flowers sold well. There were all kinds of flowering plants in large supply and exceptionally well grown, but almost everything sold out clean with the exception of a few azaleas.

"FOR THE BEST RESULTS"

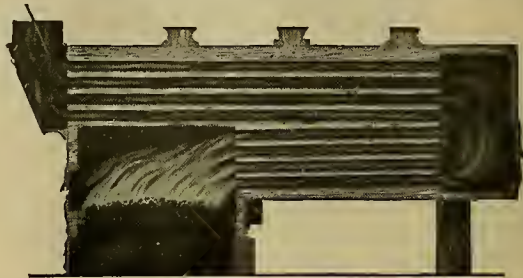
Use a Superior Return Flue Boiler for Greenhouse Heating

J. Jaeger, a User, Says This About a No. 5 Superior Boiler :

CHICAGO, ILL., March 12, 1912.

SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior. Yours truly, [Signed] J. JAEGER, 7554 Barton St.



SEND FOR CATALOGUE

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy. Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose. Half barrels (26 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone 651-659 West Washington Boulevard, Chicago Near Des Plaines St.,

Mention the American Florist when writing

Use our patent Iron Bench Fittings and Roof Supports

THE JENNINGS APPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS FOR Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN, PHILADELPHIA.

S. W. Corner Sixth and Berk Streets.

VENTILATING APPARATUS

GLENS FALLS, N. Y.—Thomas Burns will open a florist store shortly in the Harris building.

WICHITA, KANS.—The May meeting of the Sedgwick County Horticultural Society was held May 2 and a discussion of spraying and control of the apple blotch was participated in by the members. Ed. L. Tolle gave an interesting talk on flower culture.

at the sign of good heating
INTERNATIONAL STEAM AND HOT-WATER BOILERS
For large work use the International Empress Boiler. For small houses use the International Prince Boiler. Why wait? Write us today.
INTERNATIONAL HEATER CO. UTICA, N. Y.

Richardson Greenhouse Boilers

HOT WATER AND STEAM

Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities



Guaranteed Ratings
Economy
Ease of Management

Send for
Catalogue
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Established 1837.

Richardson & Boynton Co.

MANUFACTURERS,

31 West 31st St., NEW YORK

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CHICAGO.

51 Portland St.,
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1107 Arch St., PHILADELPHIA.



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycles, Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

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Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

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CUT FLOWER AND DESIGN BOXES
All Sizes LOWEST PRICES
 Send for Catalogue
C. C. POLLWORTH CO.
 MILWAUKEE, WIS.

50% SAVED. Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO
Mention the American Florist when writing

— BURNED CLAY —
Tile Benches and Tile Bottoms
 Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides.
 Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
 Garfield Bldg., Cleveland, O.

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GORHAM & CHAPLINE PRINTERY

Close Prices on all
Kinds of Printing.

Pontiac Bldg., Harrison & Dearborn Sts., Chicago

1000 Letter Heads..... { \$3.50
1000 Envelopes

Mention the American Florist when writing

THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings, being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

The National Florists' Board of Trade, 56 Pine St., NEW YORK

The Early Advertisement Gets There

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.



The insecticide that makes good. Will destroy green, black, white fly, red spider, thrips, mealy bug, brown and white scale, and all soft bodied insects. It is an oil and nicotine composition, used as a spray. \$2.50 per gallon—\$1.00 per quart.

FUNGINE

An infallible remedy for mildew, rust, soil fungi and other blights affecting flowers and vegetables. It is a sulphur preparation which does not stain the foliage, and is proving successful where Bordeaux mixture and lime and sulphur fail. \$2.00 per gallon—75c per quart. These products are readily soluble in water, used as a spray, at strength as per directions on cans, and are equally effective in the greenhouse, and in the garden.

Sold by Seedsmen.

Manufactured by

Aphine Manufacturing Company
MADISON N. J.
M. C. EBEL, Gen'l Mgr.

Wichita, Kans.

Mothers' day occupied the center of an already crowded stage last week. But nobody objected, and the performers put in their best licks to satisfy the audience. But there was nothing left for an encore. The demand was heavy and bore evidence of increased general interest. Many orders received by the florists were from outside towns which have no florist and in which the demand must have been created and stimulated from other sources. There is still much of the idea that the really correct flower for the occasion is the white carnation. The main efforts of the Wichita florists in their publicity campaign was to overcome this idea, and all advertising matter made the point that any flower was correct, and also gave the distinctions for the use of the white or colored flower. This action is bearing fruit, and it seems quite probable that with a little careful and persistent effort the matter will take the proper form to give the best possible service to all concerned. The daily papers sought news along this line and gave the right kind of information to the reading public. Stock was cleaned up to the last flower almost, especially in all suitable lines, and many would-be buyers took what they could get instead of what they wanted. Prices were not advanced at retail, although the retailer had to pay advanced prices in the wholesale markets. There was a decided shortage in white carnations and some of the stock shipped in was received in rather poor condition. The general trade conditions in this vicinity are fairly good. Business in the usual spring lines is brisk and will compare favorably with former seasons. Weather conditions are better than the average

D. D. Johnson's Celebrated EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

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United Fertilizer Company
Manufacturers

143 North Wabash Avenue

Chicago, Ill.

Mention the American Florist when writing

NIKOTEEN APHIS PUNK

The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. Full pint bottles, \$1.50.

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. ALL SEDDSMEN.

Prepared by THE NICOTINE MFG. CO.,

St. Louis, Mo

Mention the American Florist when writing

Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag
Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
713 1st. Ave., New York

since winter really broke. Good growing weather has encouraged the retail plant buyer, and is enabling the florist to meet his customer without dread of a kick because planted stock "has all died." Memorial day prospects are good if the usual stocks of jasmine and peonies can be had for the trade.

NOTES.

W. H. Culp & Co. have a fine block of L. Giganteum coming for Memorial day trade. They have a well equipped carpenter shop and make their own cypress veranda mission plant boxes and tubs.

Chas. P. Mueller has put into service a motor delivery truck; business just now keeps it "going some."

C. A. Rose is in heavy with spring bedding stock in flats; also vegetable garden plants.

Visitors: Norval Kline of the Schuer Greenhouses, Hutchinson; Coupland, Coffeyville; W. R. Maxwell of Alva, Okla. W. I. CHITA.

STOUGHTON, MASS.—Fred Slye has purchased a tract of land at Tolman Heights and will erect several modern greenhouses.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequaled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago
Mention the American Florist when writing

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder
\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOHOFF CO., MOUNT VERNON, N. Y.

Mention the American Florist when writing

Tobacco Stems

Strictly clean and strong, from high grade Cigar Tobacco only. Freshly stripped and baled daily at factory in 300 lbs. bales. Large or small orders promptly shipped. Write or phone if you want A No. 1 Tobacco Stems.

H. MUNSON,

Tel. North 572. 1405 Wells St., CHICAGO
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KING GREENHOUSES

We furnish all kinds of Greenhouses:

- King Tubular Iron Frame,
- King Flat Rafter Iron Frame,
- King Semi-Iron Frame,
- King Private Conservatories.

All designed to suit all requirements.

We also furnish Ventilating Machinery, Pipe Hangers, Shelf Brackets, Iron Gutters.

Special Greenhouse Paint & Putty, as well as Boilers and Piping for heating.

King Construction Co.,

Head Office and Works:
NORTH TONAWANDA, N. Y.

Eastern Sales Offices:
No. 1 Madison Ave., NEW YORK.

Hot-Bed Sash, Too.

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MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.

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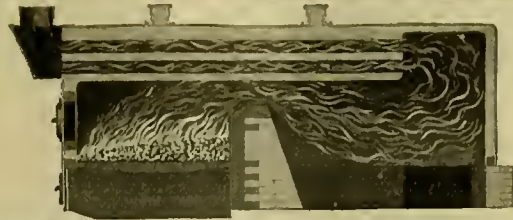
Boilers OF HIGH GARDE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**
Mention the American Florist when writing

THE QUICKEST WATER HEATER IN THE WORLD



WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

The Kroeschell is the Most Wonderful Heater of All.

I think the Kroeschell is even a better boiler than you recommend, as I have fired a good many other types of boilers, and have never seen a boiler heat up as quickly and as easily as the Kroeschell. A great many of the florists around here have called to see the boiler and are anxious to know where it was built and who built same. They all agree that it is a fine piece of work and the most wonderful heater they have ever seen.

FRANK H. HAMILTON, Robinsdale, Minn.

KROESCHELL BROS. CO. 452 W. WABASH ST. CHICAGO

About Cost of Building.

Occasionally some one asks us if we "can't get the price of our Iron Frame House down." To which we always reply: "Of course we can—but we can't."

Can't, because the best of materials and best of mechanics cost just so much, and to cut costs means cheapening either the materials or employing unskilled men.

You simply can't put your prices down and keep your quality up. We have a reputation for building one of the best Iron Frame constructions it's possible to turn out, and just as long as Hitchings & Company is Hitchings & Company, we are going to build the best house it's possible to build.

Such houses can never be cheap; but they will always cost less in the end. And the end begins right at the beginning. Send for catalog.

Hitchings & Co.,

ELIZABETH, N. J.

Boynton Furnace Co.

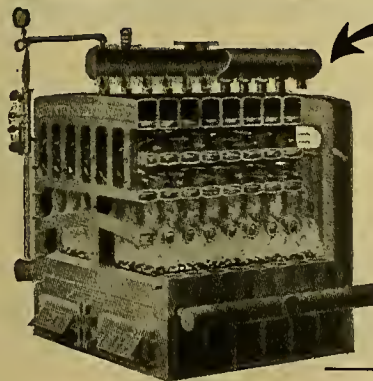
SOLE MANUFACTURERS OF

BOYNTON'S

WATER and STEAM BOILERS

FOR HEATING ALL KINDS OF BUILDINGS

Especially Adapted to Heating Greenhouses



New York { Chicago } Jersey City
 { 131 W. Lake St. }

REED & KELLER,

122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES.

We Manufacture all Our Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

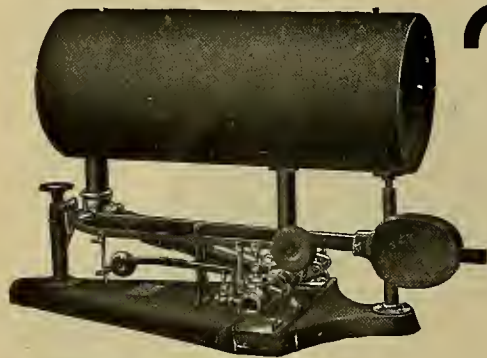
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H. BAYERSDORFER & CO.

Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

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Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept, "N," DETROIT, MICHIGAN

Stocks Carried

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Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
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**Burnham
Boilers
Best**

Lord and Burnham Co.

Sales Offices:

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Boston,
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Mention the American Florist when writing

Greenhouse Building.

New Brunswick, N. J.—R. W. Johnson, one house 18x50 feet.

Pittsburg, Pa.—C. D. Armstrong, two houses 12x41 feet.

Northport, L. I., N. Y.—Arthur Cockroft, three houses 35x200 feet, one house 20x125 feet

Lincoln, Ill.—Otto J. Hembreiker, two houses 25x150 feet.

Mt. Washington, Md.—James Hamilton, one house 40x200 feet.

Grange, Md.—B. S. Merritt, one house 54x100 feet.

Towson, Md.—Hans Anderson, two houses 30x80 feet.

Salt Lake City, U.—Miller Floral Co., two houses 40x300 feet.

Yardley, Pa.—Malcolm Franklin, one house 72x600 feet.

No. Beverly, Mass.—A. A. Pembroke, one house 60x450 feet.

Philadelphia, Pa.—Robert Craig Co., four houses 42x150 feet, four houses 38x50 feet.

Jewett City, Conn.—A. A. Young, Jr., extensive addition.

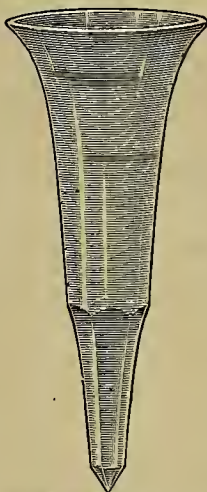
Uhrichsville, O.—Denison Floral Co., four houses 50x200 feet.

Indianapolis, Ind.—Baur & Steinkamp, additional houses.

Indianapolis, Ind.—A. Wiegand & Sons, new houses.

Indianapolis, Ind.—Smith & Young Co., additional house.

NEW LONDON, CONN.—At the meeting of the New London Horticultural Society held May 9, Victor May, gardener for Morton F. Plant, delivered an address on "Carnations." A large exhibit of carnations was made by S. J. Reuter & Son, Edward W. Clark, Edward A. Smith and the Plant and Harkness estates.



**Clara Cemetery
Vase**

MADE OF SOLID MOULDED GLASS

12 inches high, with wide flaring mouth.
Can be supplied in green or white.
Doz., \$2.50; barrel of 3 doz., \$6.00,
f. o. b. Chicago.

Vaughan's Seed Store

CHICAGO:

31-33 W. Randolph St.

NEW YORK:

25 Barclay St.

SUPERIOR QUALITY

SINGLE AND DOUBLE

PROMPT DELIVERY

Greenhouse Glass

Be Sure To Write Us For Prices
Before Placing Your Order.

BAUR WINDOW GLASS CO. Eaton, Ind.



Standard Steam Traps

The simplest, most durable and up-to-date steam trap on the market.

Ask the man who owns one

Catalogue sent on request.

E. HIPPARD Co., Youngstown, Ohio

ATLANTIC, IOWA.—An increase of 35 per cent in the Easter trade is reported by the Atlantic Greenhouse Co. Prices were about the same as last year, and there were plenty of cut flowers and plants to meet the demand with the exception of pot lilies, which were quite short in supply. The plants most in demand were lilies and hyacinths. Tulips, hyacinths, daffodils and cut lilies all sold well, but there was not much call for carnations and they were quite plentiful.

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing



HAMMOND'S SLUG SHOT WORKS, FISHKILL-ON-HUDSON, N. Y.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
The A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

Mention the American Florist when write

Now is the Time
To Subscribe to the
Horticultural Trade Journal

Published weekly. The Largest
Brightest and Best British Trade
Publication. Also

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numbers, One Dollar. (Internation-
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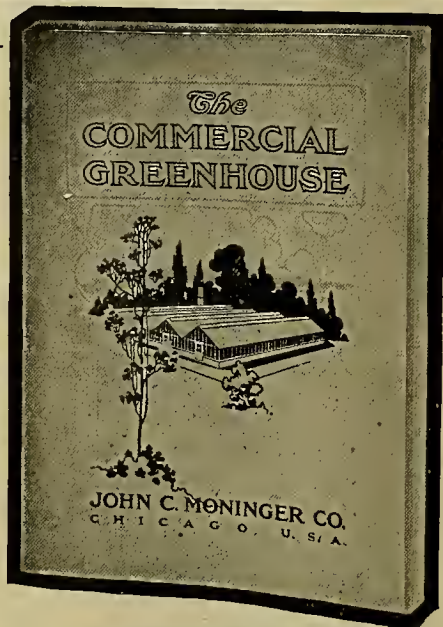
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CHICAGO AND NEW YORK, JUNE 1, 1912.

No. 1252

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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20, 1912. B. H. FARR, President; A. P. SANDERS,
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SUGGESTIONS FOR PLANT GROWERS.

Pot Chrysanthemums.

The chrysanthemums that are to be grown for bush plants will require constant attention from this time on, for they grow very rapidly both at top and root, and should be gone over regularly and often and have the ends of the growths rubbed out, that they may be kept in shape and grow as bushy as possible. Do not be afraid of their being too short, for all pinching back must stop about July 1, and they will have plenty of time to make a good growth before the buds set. Keep the plants growing and in good health and never allow them to get potbound, for the wood hardens very quickly if this happens, and it is next to impossible to grow good flowers on a plant which has become hard, so shift the plants into a larger size as soon as they require it. Pot firmly and in a good, strong soil. The plant potted good and firm will make a much shorter-jointed growth than one potted loosely, but it is better not to pinch back the tops at the time of potting. Go over the plants carefully two or three days before potting and do all the pinching back necessary. If field culture is undertaken they should be set out as early as possible and tied to a stake to prevent the wind from breaking them down and given good cultivation all summer.

Hydrangeas.

There is always a good call for hydrangeas up to the middle of July and they are as valuable during June as those bloomed at Memorial day and the plants are much better than those that are forced too hard. Give the plants plenty of water and all the ventilation possible, and all the room they require. If the plants are on a shelf or stand it is well to place the pot in a saucer, and when watering fill the saucer, for they are very succulent and the large leaves and blooms wilt very quickly and often before it can be seen that they are dry. Good ventilation will prevent red spiders, for it is in dry, close places that this little insect gets a good hold. The stock for next season should be

moving along nicely, that which is intended for early flowering should be grown in pots, while those that are grown for next spring and summer flowering can be planted outside. For the former a good frame with hose and water handy is the best place to plunge the pots and those that are to be planted out should be set as early as possible. Keep the plants shapely by pinching out the ends of the shoots, but this should be stopped by July 1, that the plant may make a finished growth and set the bud by lifting time in the fall.

Crotons.

The croton is very popular for bedding out in some sections of the country and where they grow well they make exceedingly decorative beds, but these plants are heat-loving subjects and where cool nights are the rule they are not wholly satisfactory. They should not be set out until all danger of nights of low temperature are passed, for not only is there danger from frost but a succession of nights in the neighborhood of 40° will cause many leaves to drop. Where crotons are grown extensively propagation is practically carried on all the year round but it is necessary during the winter months to have a propagation bench of great heat. In places where such a bench is not to be had, spring and early summer is a good time to propagate the young stock for next season. The cuttings root readily if kept moist both at top and bottom and it is much better to have a closed bench, that is, one with a sash on top that can be lifted which will keep the temperature and moisture even and prevent draughts from blowing over the cuttings. The cuttings should be made from the end shoots when the plants are in active growth and the leaves tied up with a piece of raffia before being inserted in the sand, and they can then be placed quite close together, and with the sash down the bed can be kept close. When rooted they should be potted in a good turfy loam with a small amount of rotted cow manure added, but not too rich, and placed in a shady loca-

tion in good heat until firmly established in the soil, when they can be given full sunlight. Too much sun or too strong draughts before they become established will often cause them to drop many leaves. Grown on in the houses during the summer nice stock for the holiday and next year's trade can be obtained.

Water Lilies.

The use of water lilies in floral work has increased enormously during the last few years and any grower that has a natural pond or a brook which can be made into a small pond in which they can be cultivated, is losing a golden opportunity in not undertaking their culture. The making of artificial ponds is expensive and should be left to the large estates, but there are many low places with a brook running through them that could be made suitable for the cultivation of water lilies that are now utilized for no purpose. While the native nymphaeas are used to some extent, it is the improved cultivated plants that produce the attractive flowers that are seen all the summer in the florists' shops in the large cities and are used extensively in floral work. The roots can be obtained at this season and planted either in the bed of the pond or in boxes in good soil rich in vegetable matter and placed in the water two or three inches below the surface until they have made their first floating leaves, when they should be gradually lowered until they are about 15 to 18 inches below the surface. If cultivated in this manner the plants are entirely under control and can be made a good investment.

Celosias.

The celosias that are to be grown for show plants through the late summer and fall will need constant attention. The little plants move very slowly and are subject to damp off in the seed bed, or if they become too dry, will burn off. They should not be allowed to remain in the seed pan until they become drawn, but potted into small pots and kept well shaded until they begin to grow and then moved into a lightly shaded location. As soon as fully established and growing strongly a lightly shaded frame is the best location, where they can be given plenty of air and easily attended. Shift into larger pots as soon as the roots are well through the soil and pot them in a good strong compost. In mid-summer they can be moved into the greenhouse and placed on a light bench with sufficient shade on the glass to prevent all danger from burning the foliage and when the flower spikes appear stake and tie the plants to a good strong stake.

JACKSONVILLE, FLA.—The New York Floral Co. has been incorporated with a capital stock of \$5,000 to carry on a general nursery business. The officers of the company are: N. Davis, president and treasurer; Louise Davis, vice-president; F. L. Robinson, secretary.

ALLENTOWN, PA.—Charles F. Berke-meyer has purchased A. B. Ellsworth's store and will conduct the business under the name of the Ellsworth Flower Shop. Mr. Ellsworth is the nestor of the florists of this city, having been in business 30 years, but has become treasurer of the Blair Tool & Machine Co. Mr. Berkemeyer was formerly a newspaper man and is democratic congressional district chairman.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

June Weddings.

THE PINK SLIPPER DECORATION.

We will begin with the ballroom and first cover the walls with pale pink silk in long curtain effects, and at the top around the ceiling arrange garlands of southern smilax, and from different points, say at intervals of about five to seven feet, suspend a large ring made of pink sweet peas and lily of the valley. In the center of this ring place a slipper of white rose leaves made so as not to lose its shape, and in the intervals between the rings suspend garlands of smilax.



Bride's Bouquet, by Canger & Gormley, Chicago.

Lily of the Valley and Orchids.

(The rings should be hung from the string of southern smilax and reach about the center of the wall). The garlands should be attached from the center of the string of southern smilax and allowed to drop below the base of the rings, and from the center of these garlands suspend large flat bunches of white lilac and maidenhair fern, using the large variety of maiden hair. Along the wall around the entire ballroom place flowering pink rose bushes and palms to give a finish. Finish the corners with very tall palms, making a group effect of the different sizes. Group the palms in bower fashion where the bride is to stand, using a pink silk drape covered with white lilac as a background; also pink rose bushes in the foreground. Above

this suspend a large wedding bell made of pink roses and just above it a full circle made of maidenhair fern in which tiny electric lights should be placed covered with pink catgut. The hammer inside the bell should be of white lilac and can be in the shape of a slipper filled with orange blossoms.

If the ballroom happens to be in a private residence, decorate the balusters at close intervals with huge bunches of white lilac, stretching streamers of pink sash ribbons between each bunch or winding the streamers, if more effective, around the baluster rail. Arch the reception room doors with southern smilax and pink roses, placing tall vases of pink roses throughout the hallway where most effective, and finishing with palms. Cover all chandeliers and arm jets with southern smilax. A slipper made of white rose leaves and filled with orange blossoms can be attached to these different arm jets to carry out the slipper design.

In the different reception rooms the windows may be filled with pink rose bushes, over which southern smilax has been draped, and for a finish use maidenhair at the base of the flower pots. In the fireplaces use blocks of ice over which are spread pink rose buds with their foliage and maiden hair fern, and at the back place electric lights so as to shine through the ice. Use palms where necessary. A large bowl of white lilac can be advantageously placed on a table in the larger reception room.

For the dining room there should be a long bridal table on either end with tall vases of pale pink roses. For a centerpiece make a mound of rose foliage, using some green and partially open buds as a foundation, placing in the center a good-sized slipper made of pink roses and filled with orange blossoms. Around this centerpiece place a garland of pink roses in a thick, loose, graceful fashion. On each of the smaller tables a slipper to correspond with the other tables, and these can be placed on a mirror surrounded with a garland of pink rose buds. Use a pink silk drape on the sideboard with the monograms of the bride and groom, making them of lily of the valley, and arrange a border of maidenhair around the edge of drape. On either side place a large bunch of lilacs, and at the sides bank pink rose bushes. From the dining room windows suspend balls of white lilac, around the center of which a garland of pink roses has been wound, with pink streamers, and place a small curtain drape of southern smilax above each window. Pink rose bushes can be used beneath the windows as well, and palms placed in the corners of the room where necessary as a finish. In all adjoining rooms place pink rose bushes and ferns with bunches of lilac in rustic vases. Or if a variety is wanted pink tulips or pink peonies can be used to advantage in other rooms, where a general effect is desired.

Make the bridal bouquet of gardenias and orange blossoms in a loose, graceful manner. For the bridesmaids, slippers of pink satin filled with lily of the valley, using long loops of pink ribbon so they can be carried over the arm. Or the slippers can be filled with white sweet peas or even white pansies or marguerites. Use slipper favors as souvenirs, making them of roses and fill with bonbons tied with satin ribbons.

A. E. KLUNDER.



BRIDESMAID BOUQUET OF SWEET PEAS

Arranged by Z. D. Blackstone, Washington, D. C.

FLORISTS' PALMS.

Potting the Stock.

The spring potting should now be in full swing, and always means a busy time and some rather heavy work, especially where there are many of the larger commercial sizes of palms grown. Plants in pots or tubs from eight inches in diameter upwards indicate a good deal of exercise for those who have the handling of them, for even where the work is arranged conveniently the plants have to be lifted and carried for a greater or less distance.

The condition of the stock will control the size of the shift that may be given, but at the spring potting one may be a little more liberal in the pot than would be allowable in the late summer or autumn, from the fact that at the beginning of the growing season there is more chance for the plants to fill out the larger pot than there would be in the autumn. A practical rule for potting palms is to give one inch shifts in the small sizes, for example, from 2-inch to 3-inch pots, or from 3-inch to 4-inch pots, but above 4-inch pots, one may safely shift in two inch steps, as from 4-inch to 6-inch, or from 6-inch to 8-inch pots. This rule applies to strong and well rooted stock in the respective sizes, but weak or poorly rooted stock may better be given a close shift, or else a topdressing of fresh soil, and then be set aside for a potting later in the season.

The practice that is sometimes adopted of potting up everything in a lot of plants without selection, makes a very irregular lot of stock, whereas that of sorting them into grades and then keeping the grades apart will save a great deal of time and trouble when picking out orders later in the season. We have frequently referred to the necessity for some drainage material in the pots when repotting, and the best material for this purpose is broken pots, of which there are usually plenty to be had in a plant growing establishment. But one piece of crock placed properly in the bottom of the pot, that is, with the hollow side down, will do more good in the way of drainage than a handful that is thrown in indiscriminately. Then there is the removal of the old drainage material from the ball of the plant that is to be repotted, for not only do these old crocks occupy space that would better be filled with soil, but they also interfere to a greater or less extent with the thorough watering that the newly potted plant requires.

A good potting stick, or rammer, is a very necessary tool when repotting anything larger than 4-inch stock, for without this tool it is hard to work the soil down firmly and evenly in the pots, and the majority of palms enjoy firm potting. Clean pots are always preferable, not only because they add to the appearance of the stock, but also from the fact that the plants will take hold quicker in them, and that there will be less trouble from either fungoid or mossy growths on the surface of the soil.

After the plants are potted a somewhat closer atmosphere with plenty of moisture will be beneficial, and a reasonable amount of shading on the glass will help to renew that rich, dark green color that plant buyers demand in their palms. When the plants

become established in the new soil, say in about a month after potting, they may be aired more freely, so that the growth will be tough, and the foliage capable of enduring much exposure, for the trade not only demands that a palm shall be good-looking, but also that it shall stand some exposure and neglect after it reaches the ultimate consumer.

In the matter of soil, the best ingredient is some rotted sod, to which has been added to the compost heap about one fourth in bulk of good stable manure. Where peat may be had conveniently, it is some help to the average compost, though not absolutely essential for the production of good stock, and if the sod is very heavy in character, owing to a considerable proportion of clay in its composition, then a moderate amount of clean sand will help in the compost. Some bone meal mixed with the soil on the potting bench will add to its value for growing *Latania Borbonica*, the various phoenix, and the kentias, but *Areca lutescens* does not seem to utilize this fertilizer to any great advantage.

The question of insects will intrude itself from time to time during the summer and the best way to keep them down is to use preventive measures before they gain too much headway. Grasshoppers and caterpillars sometimes give trouble during the summer months, and watchfulness and hand-picking seem to be among the best remedies.

W. H. TAPLIN.

Tritomas.

There is no more showy plant in the fall than the tritomas, especially *T. Pfisteri*, and they are grown in quantities near the larger cities for window displays or large store decorations, and a vase of these "red hot pokers," as they are often called, is sure to attract

Park Gardening.

Paper read by Xavier E. E. Schmitt before the Florists' Club of Philadelphia, 1911.

To cover the subject of park gardening or park ornamentation would require a much more exhaustive essay than the time allotted me would permit, for in no sphere in which the gardener or superintendent is interested, is there a greater opportunity for diversion than in park gardening or ornamentation from a horticultural standpoint.

In years gone by the park was a portion of territory set aside for the admiration of the passer-by and rarely was it permitted to divert from the paths or roads and commit the sin of walking on the grass or even to step near some shrub or plant to make close inspection. Those days have gone by, fortunately, and the rank and file of the public who are sufficiently interested in our public parks and pleasure grounds, are accorded every opportunity to make a study of plants and trees to their satisfaction, which has been a great uplift to the public at large, because of the educational feature as well as recreation. In view of this tendency and desiring to interest the public in our parks we must cater to their wants, or rather introduce new features in floral effects to make our parks and pleasure grounds inviting. Much is being done to use every available space in the heart of the cities in establishing recreation parks and breathing spots for those who will avail themselves of the privilege of using that which the authorities feel have become essential factors for the welfare and comfort of its citizens.

Park ornamental gardening has been for many years a set form, i. e., carpet



EVERGREENS AT HORTICULTURAL HALL, FAIRMOUNT PARK, PHILADELPHIA, PA.

attention. This plant is not considered perfectly hardy in the northern part of the country, but can be carried through the winter in some locations by covering with manure and straw, but the safer way is to dig the plants in November or before freezing weather sets in and store them in dry soil in the cellar during the winter and re-setting them in early spring. They should be planted in a warm, sheltered location that is well drained and can be planted quite close together in rows, when grown for cutting the flowers.

bedding of high coloring, long lines of strong contrast, and continues to be a leading feature which the visitors admire as the chief attraction. Unfortunately we cannot vary much in the variety of plants as only certain varieties can be used for this work to advantage, but we can change the design and have variety, even though the species are used from year to year. A greater tendency has been of late years to resort more to narrow strips or borders of unique design in scroll work, and to eliminate large

beds of special designs; this from two points of view is an advantage, first lessening the number of plants in the work and second, the narrow scrolls or strips are easier kept in shape.

Evergreens are playing a very important part in cluster beds even for color. Retinosporas, piceas, Juniperus, biotas, buxus, pinus, taxus and thuyas (both pyramidal and bush forms) in particular, as they are not only effective for color, they are also interesting in decided character and form. What a fine sight it is in winter to see a group of evergreens or a specimen. We count these beds as special features along drives, and when properly grouped, they become beautiful with age and symmetrical growth. Shrubbery of every known variety can be and is used to great advantage, where trees are not grouped enough to form effect, the shrubs are used for a period with the best results, although they demand much care and attention, to prevent them growing wildly and with injury to themselves.

Interesting and varying features are being adopted in many parks as far as planting and care are concerned, I refer to the plan of flower beds of either round, oval, diamond, or star shaped planted with flowering or foliage plants, these beds are along the walks and drives on either side, and are not duplicated except in one or two instances where formality leaves no other course, i. e., whatever is planted in one bed is not duplicated throughout the grounds; this not only becomes interesting in itself but is one of the strongest means of education. For this purpose every variety of annuals, and also perennials, can be used to advantage. No park should be without its rose gardens and perennial borders which give such a variety and changeable scene, with the many varieties now to be had. I will here name only a few of the leading classes: Delphiniums, peonies, asters, iris, hollyhecks, rudbeckias, hemerocallis, phlox, campanulas, helianthus, etc., rhododendron and azalea groups. We are constantly receiving inquiries from park visitors, asking when certain plants are at their best. This proves to a great degree that the public are becoming more observing and in many cases these inquiries come from those who have their own private places with gardeners in charge. Where conservatories are a part of the park's features much can be done in periodical exhibitions of underglass stock, which will keep up the visiting during the entire year.

We must not lose sight of the fact that the park's most valuable resources and asset is the tree; what would it be without the variation of these towering monarchs in their charming color throughout the year? The gardener or superintendent is an artist indeed who judiciously plants the trees for future effects, and in such variety and variation that will group artistically and enhance their charm as they advance in size with age. Proper planting with open views into the distance, lures the pedestrian and these in vehicles to all parts of the grounds, thus making the park attractive even to its remote corners. With each year's planting we study the weak points and endeavor to overcome them for the succeeding year. Sometimes our plans are thwarted be-

cause of extraordinary seasons of either moisture or drought, or even some new or pernicious insect which proves almost beyond control.

In all work of park gardening it must be borne in mind that the most important duty is that of timely preparation for the next season. In Fairmount Park we are equipped with glass, forcing houses, frames, pits, etc.; failure in producing the required quantity of anyone variety of plants often upsets plans seriously, hence the importance of having a supply beyond

much variety as possible, and we find that often times a small group gives a great deal of pleasure to the public, things that are not met with in the ordinary lines of the trade. Orchids also come in for a lot of inquiry as most people have in mind only cattleyas and a few cypripediums as orchids and it is a revelation when they see some small flowered or curious orchids in flower. The planting commences with pansies and daisies and a few other spring flowering plants about April 10, which is about the earliest with us that



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Sedum aureum.....	6,800
Eranthemum atrepurpleum....	3,661
Abutilon	1,590
Acalypha tricolor.....	3,850
Stevia serrata variegata.....	3,053
Salvia Mrs. Page.....	3,419
Crotens	923
Centaurea delicatissima.....	4,987
Cannas—Mad. Crezy, Seuv de Antoinette Crezy, King Humbert, Richard Wallace, Duke of Marlborough and Florence Vaughan	6,100
Pansies	9,129
Daisies (Bellis perennis).....	1,185
Chrysanthemums	4,000
Tulips, planted at Hert. Hall..	79,550
Tulips planted in other parts..	56,370
Miscellaneous bulbs for forcing.	4,300
The list of other stocks is too long to state here so I will only give the total.....	324,729

It has been our aim to have as

planting can be done, followed by geraniums the middle of May, and by the beginning of June all kinds can be planted. Then in the fall we plant the tulips just as fast as we can get them planted, as it is a risky thing, for you can never tell when you might get caught and not get your bulbs in, so as they can make some roots before the ground freezes over. We plant May flowering tulips in groups among shrubbery, also in colors in beds along with singles, making a succession which is very pleasing and prolongs the season. They are useful where they are succeeded by foliage beds, in fact, I always felt and advocate the planting of bulbs of all kinds, as such handsome effects can be obtained for such a small outlay.

For a number of years we have been paying attention to cacti and other succulents (of which we have about 500 species and hybrids) and keep a large set of beds for them with a designed ground cover devoted to these during the summer and fall. It is remarkable to note the number of visitors who come to inspect these, while they are odd, grotesque and most decidedly peculiar as plants, yet all visitors will spend some time admiring this odd group of plants. We also give some attention to the aquatic plants among which the following stand out preeminently—Nymphaea, which can be had in all colors and shades in the hardy and tender ones combined, the stately Nelumbiums, the distinct two Victorias and many other minor aquatic plants can be and are used. Centennial Lake is one of the handsomest in the park, where can be seen N. odorata by the

thousands as the surface of the water is fairly covered, as it were, with floating stars.

One class of plants I will touch on before closing and they are the rambler roses, which could be used over unsightly cliffs and embankments, where undesirable trespassing occurs. In the latter, as well as beautifying in both could be obtained. It would be a grand sight to come across what had previously been an unsightly wall of rocks to find them transformed with a draping of beautiful green followed by a sheet of blooms later on and in the fall covered by brilliant clusters of fruit which will last nearly all winter, among these I would mention a few such as: Lady Gay, Dorothy Perkins, Gardenia, Evergreen Gem, in fact all the Wichuraiana hybrids and there are many others.

I believe from an educational point of view the public park and its system has much to do in the education of the people, as well as the many schools in and around our city, who visit the park very frequently by entire classes accompanied by their teachers to study plant life, from nature, also the great number who come from afar to study and to admire it. They imbibe civic pride, and, adopt, as nearly as means will permit, better conditions surrounding their own homes—the most frequent visitors are that class of people. While on the other hand the recreation feature of opening the whole park to the public and allowing the freedom of every part of the grounds for public use (with us there are only a few places where people are not allowed on the grass) is the strongest health feature and one which the parks alone afford. Park gardening requires many sided abilities, which when practiced by the up-to-date gardener, give to the visitors from other cities impressions deep and lasting.

Trees and Road Tar.

Observations made by M. C. L. Gatin (C. R. Acad. Sci., July, 1911) leave no doubt with respect to the injurious effect of road tar on trees. M. Gatin's observations, which were made on trees of *Catalpa bignonioides* and *Robinia Pseudacacia*, etc., in the Bois de Boulogne, show that the tarring affects the number of leaves, their size and shape. The effective leaf-surface on trees in parts of the Bois where the roads are tarred is just one-half of that on trees in parts of the roads of which are not tarred.—The Gardener's Chronicle.

Insect-destroying Birds.

John T. Timmons, the blind florist of Cadiz, O., has always been a great lover of birds, and he has built several fancy bird houses for the purple martin, one of the greatest insect-destroying birds in the world. These he has for sale and has disposed of many to those who have placed them on their property. He is now planning to build a mammoth bird castle, with the financial assistance he hopes to receive from bird loving friends, the largest of its kind in the world, for a home for these beneficent birds.

NEWARK, N. J.—William Muller has awarded the contract for a new greenhouse 28x150 feet to the Weathered Co. of Jersey City.

What Happened to Flowers in 1913.

Paper read before the New York Florists' Club May 13, 1912, by Phillip Mindel, publicity expert.

This article is supposed to be written in the year 1925, twelve years after the revolution of the flower trade in America—and is purely a flight of the imagination, but not beyond the realm of reason.

To any one conversant with present conditions in America—and especially those in the flower trade, it is scarcely possible to hark back to the times before that famous year 1913, in which the flower trade of the country took on a new lease of life and flowers took their proper position in the home, in the school, in the church, in the business office and even in the factory.

To say that flowers had been forgotten would be to admit that poetry had been killed in the hearts of the people; that beauty and the love of fragrance had been crushed beneath the heel of commerce and that all of the progressive men in the flower trade had been driven out of it into the banks, where the bulk of the national money lay dormant. Such was not quite the case, for there was still a multitude of men and women in whom the finer sensibilities were predominant, and there was still a florist, a grower or two, broadminded enough to see that through uniting to help the many, the few had nothing to lose.

And even at that time the business done in the few blocks around Twenty-sixth street and Broadway and Sixth avenue and Twenty-eighth street and by the growers near New York amounted to a sum far in excess of seven millions of dollars a year. This was in the last year of the fading floral calendar—the year of the transition from business stagnancy to stead-

for the florist to wake up and annex some of the millions that were lying idle in the banks and trust companies and safety deposit vaults—that they were not going to go on letting the milliner, the confectioner and the jeweler get all the surplus luxury money, just because they had enterprise enough to push their goods while the florists had not.

Several of the more powerful of these merchants and growers convened at a meeting of the New York Florists' Club, held in the Grand Opera House building on Monday evening, May 13, 1912—and put their heads together—and to a purpose. For had they not done so, it would never have been the privilege of this or any other chronicler of great events to relate the story of "What Happened to Flowers in 1913."

"Gentlemen," said one of the leading members on this memorable occasion, "why should we stand still while others go on and flourish like the fabled green bay tree? Why should men in such an artistic profession as ours drudge along like day laborers? Publicity is what we want—publicity for Flowers. Where would Roosevelt have been if he had not been the greatest press agent since John the Baptist? Where would Mary Garden have landed without the snap-shot camera—and the persistent promotion of her own publicity? What of P. T. Barnum—of Buffalo Bill—of social and civic reforms innumerable—of political movements and candidates—of automobiles and aeroplanes—all made, absolutely made by constant and skillful publicity. Yes, gentlemen," he continued, "publicity is today the vital force of everything that is watered by the hose and sprinkler of public patronage. They cannot live without it, much less



CACTUS BEDS AT FAIRMOUNT PARK, PHILADELPHIA, PA.

ily increasing activity—the memorable year 1912. At the time, whatever advertising of flowers there was, was being done by one or two progressive retailers, who realized that in advertising there is life even to flowers. One of these, who had stands in three widely separated department stores, prospered far beyond his fellows, even with a very small expenditure.

And then the wiseacres among the bigger dealers, wholesale and retail, and among the growers, began to sit up and think—think that it was time

thrive and increase as we want the flower trade to do. Incidentally we can make of our Flower Show next March—the biggest success on record. Let us make it a real one—get an early start on its publicity—and have everybody interested. The brick manufacturers have combined to present the advantages of their product, as a building material. Why? Because the success of the cement men's publicity campaign aimed a death blow at their industry—and one that pierced their pocketbooks. And now the wallpaper

manufacturers, a trade involving a profit of fifteen millions a year, have done likewise because the paint men have pointed out, in well-written newspaper and magazine articles, the sanitary superiority and the economy of paint as a means of interior decoration. These men have to fight to save a deteriorating business because their more modern competitors are using against them that most effective and most modern of weapons, the public press, which reaches every one who can read—and that is every one worth counting.

"We, gentlemen," continued the speaker, "have something to fight besides our own lack of initiative, our own adherence to antiquated and supine business methods. Do you know that the artificial flower is rapidly becoming a dangerous rival of the natural flower? The paper flower has been superseded by the silk and satin and velvet flower, which looks so much like the genuine article that it can scarcely be detected. The big stores have gone so far as to put in special departments for their sale, and are advertising them profusely. Walk into any department store and see for yourself. Thousands of women are wearing these flowers that do not fade, and are decorating their homes with them. The artificial flower is a menace with which we have to reckon. Let us rouse ourselves from the lethargy into which I, for one, am broad enough to admit we have fallen, and take up the pen, which grows sharper each day as the sword of savagery grows duller—take it up for the increase of sales, for the upbuilding of the florists' business—let us have our share. Let us remind the people of flowers—and they will buy."

The president's remarks were received in silence. He had said some things so true that they hurt. After a moment's silent thought, the members, all of whom were prominent in the trade and interested in its increase, forgot their personal antagonism, which had been aroused by the pointed truths he had uttered and thought only of the good to be gained, by coinciding with his progressive ideas. They organized a fund for the conduct of a campaign of publicity for flowers in general and secured an experienced press agent to take charge of it. Details were left in his hands, but the members were ever ready to assist him in putting before the public the presence of flowers and reminding them of their acceptability. Financial assistance was cheerfully given by the allied trades, the glass firms who furnished lights for the greenhouses, the foundries who supplied the piping.

Articles appeared soon and at frequent intervals in daily and Sunday newspapers and in the weekly and monthly magazines all over the country. These, because of their timeliness and interesting construction and the beautiful illustration to which the subject so readily lent itself, were gladly accepted by the editors, who could not and would not have published them if they had mentioned the names and addresses of special firms of florists. They did not look like free advertising—that bane of the editor's existence—because they advanced the interests and the advantages, not of a commercial house, but of one of God's best gifts to man—one of man's best gifts to woman. They told of the development of plants and flowers, of their growth and care, their charm in the home, in the sickroom, in the garden. They related how the foremost edu-

cators and prelates insisted on having fresh flowers in the school and in the church, and how the most progressive business men provided for their presence in the office and in the factory. And, eventually, these ideal, but hitherto little more than imagined conditions, through persistent and adroit striking of the same nail, were driven home in the susceptible minds of the public—and became a fact.

Discreet and original advertisements were also inserted—just prior to each of the holidays when the man is think-

were specially mentioned for their artistic enterprise. Department stores were induced to advertise flowers as souvenirs to be given to each purchaser on the special emblem days. And in countless other ways were flowers impinged upon the public mind.

The result was inevitable, as sure as the crowding out of candles by oil-lamps, of oil-lamps by gas, and of gas by electricity. Everyone had flowers, just as everyone has a telephone and a fountain pen. This advertising advanced the price of carnations one-



LILY PONDS AT FAIRMOUNT PARK, PHILADELPHIA, PA.

ing what present he can make to the woman he loves—reminding him of flowers, the fairest and purest of gifts. Those days, which had special floral emblems, such as McKinley day, St. Patrick's day and Mothers' day, were emphasized and the newspapers got into the habit of taking it for granted that every one able to do so would wear the prescribed flower of the day. This was as simple of achievement as it had been for the great restaurants, some years before, to force the public into making an all night orgie—with wine at \$5.00 per bottle—of election night and New Year's eve, both pure products of combined and organized publicity.

Each day that had no emblem was given one—one in season, too, you may be sure—and Independence day, Labor day, Christmas, New Year's, Thanksgiving, Hallowe'en, Lincoln's and Washington's birthdays, May day and Memorial day were added to the list, which had hitherto been made up—in a half hearted way, of McKinley day, Mothers' day and the seventeenth of March. Carnations, violets and roses which had formerly been neglected from the latter part of September to the middle of December, when "King Chrysanthemum" holds sway, were forced into prominence and no longer faded in the ice boxes.

Floral departments were established in the Ladies' Home Journal, The Woman's Home Companion, Vogue, Town and Country, and in the women's pages of morning and evening papers, window box and floral table decorations were encouraged in the home. Through the hotel and theatrical reporters, the hotels and theatres where flowers were a part of the regular or special decorations and where they were given to the guests as souvenirs of certain events,

eighth of a cent the first year, on roses one-fourth of a cent and on plants like geraniums and so forth, an improvement of two cents a piece was brought about. And, instead of doing seven million dollars worth of business, as in 1912, the florists and growers in and about New York, did fifteen millions and have been on the increase ever since.

That is "What Happened to Flowers in 1913."

Color Arrangement in Flower Gardens.

In an address before the Massachusetts Horticultural Society March 30, delivered by Mrs. Francis King of Alma, Mich., with the above title, the speaker advocated the planning of a garden so that the colors would harmonize and enter into the details of planting so that color-groupings of flowers might be made for each month of the season. For April blossoming *Scilla siberica* and *Crocus purpurea grandiflora* with *Iris reticulata* and *hepatica* gave a composition of blue and purple with delicate pink. May with lilacs and the May flowering tulips which contain no scarlet or orange, such as Clara Butt and Reverend Eubank, and with *Gesneriana lutea* gave a lavender and light yellow effect. A yellow and white effect could be obtained with the white and yellow tulips and the lighter colored narcissi. In June the *Delphinium cantab* with white Canterbury bells and the rose *pyrethrums* with low masses of the grass pinks. July with the common elder for a background and a bed of *Lilium elegans* with *gaillardias* below them. August with the glorious phloxes of the heliotrope shade with deep purple verbenas. In September the *Gladiolus America* with hardy asters of lavender and white shades against a tall clipped hedge or *Salvia azurea* with *Gladiolus America*, Sulphur King, Peace, and Baron Hulpt give bewitching color combinations.

New Jersey State Experiment Station.

NEW GREENHOUSES AT NEW BRUNSWICK.

The florists of New Jersey secured an appropriation from the State legislature last year of \$20,000 for greenhouses for floricultural investigations at the state agricultural experiment station at New Brunswick, N. J. Eleven thousand dollars of the appropriation was made available last year, and three modern houses 33 x 75 feet, and a service building, were constructed. The houses were not completed in time to be used for experiments during the past winter, but the securing of stock was begun. The remaining \$9,000 of the appropriation has recently been made available, and the range will be completed during the summer. The houses, which we illustrate, are of the modern iron construction, with hollow tile foundation walls, covered with cement plaster.

The experiment station has been conducting investigations with carnations and roses for several years, but the greenhouse space available for such work has been very limited until the present time. The results already obtained, however, will be of much value as a basis for the more extended work now to be taken up. M. A. B.

Horticulturalists at Lancaster, Mass.

About sixty-five members of the Worcester County Horticultural Society accepted the kind invitation of Mr. and Mrs. Bayard Thayer to view their spacious grounds at South Lancaster, Mass., and were well repaid for the trip. Thirty-two varieties of lilacs are grown here and were in full bloom. Marie Legraye, Alba Grandiflora, Princess Alexandra, Charles X, Aline Mocquery, Ludwig Spath and Macrostachya were among the best. A beautiful specimen of the Japanese cherry, *Cerasus flore pleno* excited much admiration.

The walled garden containing just an acre of land was the center of attraction. The tulips were in prime condition and made a magnificent showing. Forty thousand bulbs were planted in this garden in seventy varieties. William Anderson, the superintendent, received many congratulations on the grouping of the different varieties and the effectiveness of the color scheme. Some of the best varieties were, *Gesneriana Spathulata*, *Gesneriana Lutea*, *Picotee*, *White Queen*, *Cloth of Gold*, *Inglescombe Scarlet*, *Fulgens*, *Bouton d'Or*, *Carnation*, *Royal White*, *Elegans Alba*, *Inglescombe Pink*, *Mrs. Moon*, and *Scarlet Emperor*. The Darwins were especially fine, and used in the borders among the shrubbery made a magnificent showing. The following varieties were noteworthy. *Lady Marcony*, *Julie Vinot*, *King Harold*, *Harry Veitch*, *Harper Crewe*, *Ph. de Cominet*, *New York*, *William Copeland*. Ten thousand narcissi were used in the borders combined with iris, peonies and different shrubs. *Exocorda Giraldui* was in full bloom as were also *Syringas Wilsonii* and *Komorowii*. Mr. Anderson has used *Narcissus Poeticus*, *Mrs. Langtry* and *Leedsii* very effectively in the grass outside the garden among the trees and shrubs about 75,000 bulbs have been acclimated and are now in full bloom.

The peach, nectarine and grape houses were in fine condition and the specimen plants of campanula and a bed of *Eucharis Amazonica* attracted much attention. The frames contained many thousands of seedling kalmias, rhododendrons, azaleas and heather which will be planted on the estate. One lot of ten thousand young white pines were all ready for planting. Another

frame containing seedling evergreens from seeds collected in China by E. H. Wilson was a source of special interest. Thousands of young trees are planted every year and on this estate can be seen trees of all ages from the year old seedling to the monarch chestnut which Prof. Sargent estimates to be over two hundred years old. The drive through the pine trees was very enjoyable and gave the party a view of a fine collection of pines, abies, picea, and larch planted twenty-five feet apart so that each tree is a specimen. The visitors were loud in their praise of Mr. and Mrs. Thayer's hospitality and the courtesy of Superintendent Anderson.

A. H. LANGE.

American Peony Society.

The annual meeting and exhibition of the American Peony Society will be held this year at Cornell University, Ithaca, N. Y. The date of the meeting has not yet been decided upon, but it will be about June 20.

The society has for some years past been carrying out a very important piece of work on the nomenclature of the peony. Peony growers do not need to be reminded that the names of many of even the commonest varieties have for a long time been under suspicion; that a variety ordered under the same name from half a dozen different growers may bring as many different sorts, or even that the same variety ordered from the same dealer in successive years will not always prove identical. There are many reasons which have combined to produce this confusion in the nomenclature. One of the most potent was that there did not anywhere exist a standard collection of varieties by means of which unnamed or misnamed sorts could be identified; there has not even been any authoritative descriptive list which would answer the purpose.

The American Peony Society decided some years ago to meet this situation by establishing a standard collection of varieties, and by publishing a descriptive check-list. The authorities at Cornell University generously offered to take care of the collection, and on an appeal from the society to growers in all parts of the world, about two

less importance; about a thousand varieties in all have come under the attention of the committee. A great deal of confusion has been removed, and countless synonyms discovered.

The work is now nearly complete. After the present season's work is done, it is hoped that it will be possible to publish a final and complete check-list, giving full descriptions of practically all the varieties that are in commerce at the present time. This list will be put out by the society in book form, and will constitute the only authoritative and complete work of its kind in existence. When published it will be offered for sale to the public.

With the completion of this work the collection at Cornell will be broken up. It now occupies a large space, the care of which entails a good deal of labor. A representative collection is to be permanently planted at Cornell, and the rest of the stock will be disposed of. The meeting at Ithaca this year will give the members of the society and all interested in the peony their last chance to visit the full original collection, and as the plants are now of six or seven years' growth, the field offers an extraordinary opportunity of study for the specialist.

For the nurseryman and the amateur not yet awake to the wonderful developments that have been made in peony blooms during the past twenty-five years, the exhibition of the society and the Cornell plot itself will be a revelation.

The following letter has been sent out to all the members of the society:

"To the members of the American Peony Society.—At the last meeting of the society, held in Philadelphia, it was decided to hold this year's meeting at Cornell University, the exhibition at this meeting to be composed largely of blooms from the plants that have been placed in a permanent plot as representative of the identified varieties which have been described in the various bulletins issued. The exhibition and meeting at Cornell have been arranged with the view of giving all the members of the society an opportunity of seeing the actual results that have been obtained, and of comparing the identified varieties at Cornell with their own varieties which they are growing under the same names.



NEW GREENHOUSES AT NEW JERSEY AGRICULTURAL EXPERIMENT STATION.

thousand named sorts were received and planted. These have now been under observation by the nomenclature committee of the society and by experts at Cornell for the past four or five years, and in addition the committee has worked over most of the larger collections in the eastern part of the country.

The results of these studies have been published from time to time in separate bulletins, which offer to the nurseryman and amateur authoritative descriptions of the named sorts, so far as treated. Up to the present time about ninety-five per cent of all the important commercial varieties have been described, and many others of

"As this will be the most important business meeting the society has ever held, inasmuch as various important questions will come up, it would be to the interest of every member as well as to the society to have as large an attendance as possible.

"Among the most important questions to be decided are:

"1. The method of bringing the first part of this work to a close and the disposal of the plants remaining in the original plot.

"2. The future course and policy of the society to be pursued on the completion of the Cornell work.

"3. The publication by the society of the complete official catalogue or

peony manual, which shall be a revision and correction and condensation of the present manuals, this book to be published exclusively by and to be the property of the society with the view of making it a standard work on the peony, which can be placed on sale to the general public, the proceeds of which shall go to the society.

"At the last meeting of the society, held in Philadelphia, it was decided that the plants remaining in the original plot could be put to no better use than to be sold to some private estate and the proceeds of the sale used toward the expense of publishing this book, and a letter has been sent to all those firms who contributed to this experimental work, asking their consent to do this.

"As it is the desire to make the principal part of the exhibition from the Cornell plot, it has been deemed best to forego for this year the usual premium list and to offer in its place the following:

"For the best collection of not less than 100 varieties, a prize of \$50 and a second prize of \$25. This will be open to commercial growers only.

"For the best collection of not less than 25 varieties, a prize of \$25 and a second prize of \$15. This will be open to amateurs only.

"For the best new seedling of American origin not previously exhibited, \$15.

"A certificate of merit will be awarded to any new variety exhibited, not in the trade previous to 1910, if deemed worthy of the same by the judges.

"The exact date of the meeting will be announced in the trade papers, and each member will receive personal notice by card."

A. P. SAUNDERS, Sec'y."

Is the Gardener a Luxury or a Necessity?

(Abstract of paper read before the Monmouth County Horticultural Society Friday, May 10, 1912, by Dr. W. S. Whitmore.)

Having expressed myself, in fact, made the declaration, that I considered the profession of gardener one of the noblest of man, it rests with me to try to prove that assertion, and draw comparisons with other professions in order to make my declaration tenable. I have therefore taken for my theme, "Is the gardener a luxury or a necessity?"

What is a luxury? Anything indulged in for pleasure or gratification—not from necessity. Does the gardener come within the pale of this definition? Let us see. In what is he engaged? In the production of the useful and the beautiful. Luxuries are not always useful, neither are they always beautiful, especially those luxuries which are classed as extravagances or excessive indulgences in the gratification of appetite, such as rich and expensive diet, or costly dress or equipage. These are indulgences and can not be classed with the useful or the beautiful. The product of the gardener is both useful and beautiful. Therefore neither he nor his creations can be classed as luxuries.

It is the ideal of the gardener today to make every man and woman appreciate their aims, their demands and their limitations so that they shall find the road open, and if they may not actively participate, they may still sympathize with and encourage the efforts of the gardener and know the fruit of the tree of knowledge when it falls at their feet. Happy are those who live to see the glory of the garden. The gardener has learned to wrest the fruits of the earth from her bosom, so he seeks to keep the tree of knowledge in eternal bloom. Their profession holds a foremost position among all professions and among all callings. The stern necessity for cold logic, a judicial mind and exacting accuracy of technic may and often must banish for the moment the play of emotions, but the nobler of these attributes, the love for the flower, will always awaken

in the heart a sympathetic response, and we forget our care and trouble and our better lives open in response to their beauty. Some day—we hope at no very distant date—it must be realized that the gardener is an absolute necessity and his efforts will be better understood and appreciated.

What is this great production of the gardener that strikes such a sympathetic strain in the hearts of the people? The flower. And why? A flower is like the sun. It shines on a world that would be dark without it, and its brightness is as that of love. The astronomer can span the illimitable space and determine the distance of the sun and the stars, the artist paint glorious creations that are beautiful and grand, and the sculptor carve things of beauty and precious to the eye, but we cannot love the stars, bend caressingly over hills, waves and streams, nor awaken into life the inanimate marble. All the inspirations of the genius of man have a speech and loveliness peculiar to themselves, but they share not in the fond home tenderness as given to flowers.

There is an innate love for the flower in the heart of every being, and in those who seem wholly engrossed by coarser things. Flowers alone of all created things seem given to minister solely to our spiritual life. They wake into being; they unfold their soft petals; they put on the loveliness of perfected bloom; young eyes have grown glad with a deeper light as they gazed upon them, and cold hearts have been warmed with a glow they could not define. Souls weary and worn have remembered anew the eternal bloom and beauty of the Paradise of God, and life has grown fairer in their sight. They have been to the child the first revelation of the infinite beauty and love. They have lifted the infidel out of darkness into God's marvelous light. Flowers have kindred and association with all that is best within us. They interpret and are sacred to our affections. We make them gifts to those we love and wear them for their sake, and plant them above their graves. Clashed in the hand of the child, pressed to the lips of love, wreathed in the tresses of the bride, or lying on the cold bosom of the dead, they have a beauty and a language given to nothing else. I have seen the rough laborer stop in his homeward walk, lay down his heavy implements to pluck a few wayside flowers to make glad a pale sickly face that he remembered lying in a little crib. I have seen the hard-featured speculator, whose spiritual being seemed walled in by stocks and exchange, pause with a sudden impulse and buy the freshest and dewiest roses of some street vender, and I knew there was a place in his heart yet open to the delicate ministrations of beauty, that through the crevices of this wall of custom its winged seeds might reach a not ungenial soil. All of us have among our acquaintances men endowed by nature with the love of flowers, who still find the old joy of their youth in gathering wild flowers on the hills or tending with watchful care the opening blossoms of a garden. Among children an affection for flowers seems universal. The world has shown them no gifts so beautiful as nature's, and when we chance to find in the maturer heart this sympathy and affection undiminished, we can not but feel that it has retained also much of childhood's freshness and truth, its pure vision and simple trust.

The pessimist will say, "Yes, they are beautiful but not useful." There has always been among men a measuring of the useful against the beautiful, as though they were antagonistic, as though the useful were not beautiful in every-day working dress, and as though the beautiful were not the useful in perfumed garments of glory;

and so they have strictly begrudged the time and money and space necessary for the existence of the beautiful as if that were so much abstracted from the heritage of humanity. Really and in God's sight, nothing is more useful than the beautiful. He will not exist without it. He turns His holy eyes nowhere that beauty is not. Your practical men are kept in sufficient animation to be enthusiasts by the beauty which is about them. They do not know it any more than the flower knows that it owes its beauty to the sun. Strike out all the beautiful from the world, leave us only the useful, the manifestly useful, and we should lose all strength out of our purpose, all energy out of our arms. It is the thousandfold beauty, meeting our eyes at every turn that saves us: Such as the flower which fills the world with odor, and comes to be monumental when ledgers and bank books are clean forgotten. I say to the rich man, encourage the gardener and cultivate the flower. Let men be, like God. Lavish toward God as God is lavish toward men. Pour out your money on the beautiful. Encourage the workers in the beautiful. I would say to them, do not be afraid that having all your lives had the reputation of being practical, you should now be suspected of being a fool for spending your money on something that can but give you pleasure. You who are rich ought to provide the beautiful both for yourselves and for the poor.

No matter what a man may be or what his talents, accomplishments or wealth, there is latent in his composition a love for the beautiful. No matter what his environments, he turns to nature for her offerings. Who can give them to him? Who can produce them? Who can be the medium through which this love for the beautiful can be enlarged? Is it the tradesman? No. Is it the lawyer, the doctor, the minister, the painter, the sculptor, the mechanic? No. Only the gardener is endowed and in a position to cultivate and instruct us in the creation of new loves and ideas. Hence, the gardener is a necessity. Does it ever occur to the layman what care, what thought, what heartache both the horticultural and the floricultural gardener suffers and undergoes? Is the pittance he receives for his skill and labor the incentive that stimulates him to greater and nobler production? No. Money can only supply his wants. Money could not reimburse him for his untiring devotion, nor could give him the brains and the talent requisite for his office. The employer can never know the sleepless nights and his untiring efforts in the day, watching with expectant heart and thought lest blighting frost or withering germ might blast the tender plant or flower entrusted to his keeping. His is the responsibility, to him we look for results, and our only help is the money to supply his needs. It is all summed up in these few sentences. The agricultural gardener produces the useful by which we live, and the horticultural and floricultural gardener produces the beauties that make life worth the living.

I should wish when the icy hand of death is laid upon my brow that I might be surrounded with a wilderness of flowers whose perfume would be an incense ascending from memories' altar to waft my spirit to the land beyond the stars. I would wish that the angels should be gardeners that I might feel assured that the floral kingdom would be forever perpetuated. Such objects may well portray a state in which hope and fruition become one eternal feeling, and if it be true that the spirits of the just live on in other worlds, it must be true that the gardener who gives the effort of his life to produce results to bless mankind should share the glory of the brightest in the great hereafter.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 60 PAGES WITH COVER

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WE shall be pleased to have reports on Memorial day business for next week's issue.

REPORTS from English growers tell us that hardy lilies, particularly *Lilium auratum*, planted last fall in heavy soil have done well, and that those planted in sandy soil have winter-killed.

Personal.

London, May 25.—John Evans of Richmond, Ind., a visitor at the International Flower Show here, is lying at the King Edward Hospital in Windsor, suffering from injuries received today at Frogmore, where, with other visitors, he was inspecting the royal gardens on the invitation of King George. When alighting from a coach, Mr. Evans fell heavily to the ground, fracturing his right thigh and sustaining other injuries. Tonight he is reported to be doing well.

National Council of Horticulture.

The fourth installment of the press service of the National Council of Horticulture contains articles upon the following subjects: "Peonies," "Strawberries," "Moonvines," "Water." These articles are timely and instructive and are distributed to florists, seedsmen, nurserymen and the press for the purpose of extending the interest in horticulture. Copies may be obtained of J. H. Burdett, 1620 West 104th place, Chicago.

London International Exhibition.

The grand Royal International Horticultural Exhibition was opened in London, England, on the grounds of the Royal Hospital, at Chelsea, May 22, and remained open until May 30. It was probably the grandest exhibition of horticulture and floriculture ever held, and included all the known species of plants in the world that it was possible to stage at this season. It is 46 years since the large international exhibition was held in 1866. Every firm in Great Britain, and all the prominent concerns of the continent, staged exhibits, as well as representations from America. The space given up to the exhibition was 21 acres of the grounds of the hospital, the large tent was 660 feet long, arranged in five spaces, with an extreme breadth of 300 feet, covering an area of nearly 3¼ acres. Then tents each 140 ft. x 85 ft. were set apart for exhibits from Belgium, Holland and France. A specially heated tent, 250x75 feet was devoted to orchids, the cut flowers tent was 600x40 feet, fruits and vegetables in a tent 140 x70 feet, and other tents were devoted to horticultural sundries, and the exhibits for science and education. Further in various parts of the gardens were hardy trees and shrubs and beautifully arranged rock gardens.

The schedule was divided into 13 sections as follows: store and greenhouse plants, groups and specimens, 53 classes; palms and cycads, 11 classes; orchids, 30 classes; ferns and selaginellas, 24 classes; greenhouse plants—azaleas, pelargoniums, etc., 73 classes; roses, 26 classes; carnations, 15 classes; hardy plants, including rock and alpine gardens, 104 classes; new plants, 16 classes; fruits, 45 classes; vegetables, 35 classes, and a miscellaneous section for non-competitive displays.

The orchid display was probably one of the most attractive features, all the prominent growers of these exotics being represented by beautiful exhibits. The Kings cup for the most meritorious exhibit was awarded to Lieut. Colonel Sir George Holford. (Mr. Alexander, gardener.) This was a grand display comprising mostly hybrids, some of the plants carrying hundreds of blooms. Other exhibitors were, Sanders & Sons, Sir Jeremiah Colman, Charleworth, Stuart Low & Co, J. Cyphn Armstrong & Brown, Hassell & Co., and the American representative, W. A. Wanda. The rock gardens were particularly attractive especially to the Americans, to many of whom it was a novel feature. In the cut flower section the flowers were hardly equal to the green house products of the United States, especially the carnations, but the sweet peas were grand, their flowers being borne on strong, long stems, some with six flowers to the stem. The plant display contained many finely grown specimens of all the store foliage, and greenhouse plants, including beautiful palms, ferns, cycads and exotics from

every clime. W. A. Wanda was an extremely happy winner and "his most sanguine expectations were exceeded, winning twenty-two prizes, seven silver cups, six silver gilt medals, five silver medals, and one bronze medal, thereby spreading the United States all over the horticultural map" is the way he puts it to his friends in America by cable.

The list of jurors includes Americans as follows: Oakes Ames, Boston, Mass.; J. Farquhar, Boston, Mass.; E. G. Hill, Richmond, Ind.; C. Moore, Hackensack, N. J.; Lester L. Morse, San Francisco, Calif.; A. E. Thatcher, Jamaica Plain, Mass.

Effects of the Severe Winter.

On my place, so far as I can see, no material damage has occurred on account of the cold weather, to many trees and shrubs. It is, however, too early to judge correctly. The cold winter of 1898-9 did more damage to the roots of trees and shrubs than to the tops, and at about the same time of the season as now. Many trees and shrubs survived it as far as their tops were concerned and in time leafed out as much as the sap in the wood could allow, but when they called on the roots for a supply they did not respond and were found to be frozen. My roses are in fine condition, being boxed and dry leaves kept dry around them. I understand many are killed back and even where wrapped with straw are girdled by the mice. Mice and rabbits have done more injury than usual. Out of 22 cold frames filled closely I have left about one-half a frame. Even that poisonous plant, the digitalis, seemed to suit the mice. In the frame where they were, a hole like a gopher hole marks where each plant stood. They girdled 14 old grapevines, three trained wall peaches and in some places cut the raspberry stools entirely to the ground. One rose bed near here is cut to the ground.

The main trouble caused by the weather is the rotting of the crown and roots of perennials. The ground froze deeply—in March came two heavy snows which drew the frost out to a depth of six inches, leaving it solid below that. The snow melted and saturated this six-inch zone of unfrozen soil, causing it to be mushy. This caused a rot of the crowns of many plants not liking wet spots. Plants liking moisture like the lobelia cardinalis and the monardas, did not mind it, but others did. It is too early yet to list the plants that suffered, but I fear that it will be a long one.

W. C. EGAN.

Highland Park, Ill.

Upon making investigation we find very little, if anything, in our nurseries damaged by the excessive cold the past winter. We attribute this to the heavy fall of snow in the fall. All our stock is coming through in extraordinarily fine shape.

L. L. MAY & Co.

St. Paul, Minn.

We would say that on the park system, during the past winter the frost killed all privet hedges to the ground; altheas seem to be badly damaged; Crimson Rambler roses are cut to the ground; many of the herbaceous plants are killed, as well as many of the evergreens.

ROBERT FLOWERDAY, Supt.

Detroit, Mich.

Meetings Next Week.

Albany, N. Y., June 6, 8 p. m.—Albany Florists' Club, 71-73 State street.
 Buffalo, N. Y., June 4, 8 p. m.—Buffalo Florists' Club, 385-387 Elliott street.
 Chicago, June 6, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 West Randolph street.
 Dayton, O., June 6, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.
 Denver, Colo., June 3.—Colorado Florists' Club, T. M. A. hall, 1422 Curtis street.
 Detroit, Mich., June 3, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
 Fall River, Mass., June 4, 8 p. m.—Fall River Florists' and Gardeners' Association.
 Grand Rapids, Mich., June 3.—Grand Rapids Florists' and Gardeners' Club, office of member.
 Indianapolis, Ind., June 4, 7:30 p. m.—State Florists' Association of Indiana, State House.
 Los Angeles, Calif., June 4.—Los Angeles County Horticultural Society.
 Louisville, Ky., June 5, 8 p. m.—Kentucky Society of Florists, Third and Broadway.
 Milwaukee, Wis., June 6, 8 p. m.—Milwaukee Florists' Club, St. Charles hotel, City Hall square.
 Minneapolis, Minn., June 4.—Minneapolis Florists' Club, 115 North Sixth street.
 Montreal, Que., June 3, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Gardians building, 224 Sherbrook street, west.
 New Orleans, La., June 5, 8 p. m.—German Gardeners' Club, 624 Common street.
 Newport, R. I., June 5.—Newport Horticultural Society.
 Philadelphia, Pa., June 4, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall.
 Pittsburgh, Pa., June 4, 8 p. m.—Florists' and Gardeners' Club of Pittsburgh, Fort Pitt hotel, Tenth street and Penn avenue.
 Salt Lake City, Utah, June 4.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
 Seattle, Wash., June 4.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
 Tacoma, Wash., June 6.—Tacoma Florists' Association, Maccabee hall.
 Utica, N. Y., June 6, 8 p. m.—Utica Florists' Club, Genesee hall, Onelda square.
 Washington, D. C., June 4, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As foreman, by expert carnation grower; German; married; age 29; good worker; can come well recommended. Address. Key 642, care American Florist.

Situation Wanted—By a young married man, eight years' experience in general greenhouse work, wishes a position in a retail flower store; references. Address. Key 643, care American Florist.

Situation Wanted—General greenhouse man and chrysanthemum grower, middle aged, single, wants position in commercial place. Best of references. Address. Key 635, care American Florist.

Situation Wanted—As gardener; 19 years experience growing roses, 'mums' carnations, pot and bedding plants. Greenhouse or outside work; single man, 29 years old, on private place, steady position. Address. Key 634, care American Florist.

Help Wanted—First-class salesman and designers for our retail stores. Apply to HERMAN BERSHAD, care Loeser's, Fulton St., Brooklyn.

Help Wanted—Several quick potters, also man to take charge of palms and decorative stock. State wages expected in first letter. Address. Key 633, care American Florist.

Help Wanted—Manager of flower store in large city of central states. Man of experience and executive ability. Excellent opportunity for good man. State salary in first letter. Address. Key 638, care American Florist.

Help Wanted—A man to take charge of a retail business in suburb of Philadelphia. Must have a general knowledge of inside growing, outside planting and decoration. Good references required. Key 640, care American Florist.

For Sale—About 10,000 feet of glass. No competition, can sell all you can grow. A rare opportunity—investigate. FLORIST, Dwight, Ill.

For Sale—Special Bargain! Most profitable business in Nebraska. Wire! Write! HIGGINSBOTHAM & PICKENS, Hastings, Neb.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Cheap: store fixtures, wall cases and a National cash register. A bargain for some one. Answer now. Key 632, care American Florist.

For Sale—At once, good florist place, newly built; good business; busy town; cheap if sold at once; middle Ohio. Address. Key 630, care American Florist.

For Sale—"Improved Capitol Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80 in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

For Sale—Florist and market garden business established twenty-five years; 20,000 feet of glass well-stocked; one to eight acres of land, \$1,500.00 takes possession at once; a bargain. Address. GOSHEN FLORAL CO., Goshen, Ind.

For Sale Seven large commercial greenhouses on three acres of land; eleven-room house and small house for help; three wagons, two horses. Good paying proposition; near New York City. Owner wants to sell on account of health. Apply CHAS. MILLANG, 55 W. 26th St., New York City.

For Sale—A good retail florist business; 25,000 sq. ft. glass; 7-room modern residence; 30 acres of good ground; all in city limits; good town; this place will stand close investigation; books to show; \$3,000 cash required, balance on time; \$12,500 for place; can make price of place in several years; to any one wanting a good business will be pleased to give full particulars by return mail. Address. Key 641, care American Florist.

For Rent or Sale—About 6,000 feet double strength glass; hot water heated; built for my florist daughter; got married, gone; still a going business. Fair stock, only florists here; county seat, near Denver; rent twenty dollars per month. Will sell houses, tools, stock, all for seventy monthly payments of thirty dollars each. I mean business. Address. CULP WATCHMAKER, Owner, Box 116, Littleton, Colorado.

Wanted—Will some one kindly send information as to the present address of George J. Loeffler, so we can correspond; or if you see this, George, please write. CHAS. A. LEOFFLER, care Geo. Yore, Jr., Deerfield, Ill.

HELP WANTED

Two good rose growers.
 Two good carnation growers.
 Two helpers.

BASSETT & WASHBURN
 HINSDALE, ILL.

STOREMAN

Good designer and salesman, accustomed to waiting on high class trade, is open for engagement. Middle West preferred. Address. Key 639, care American Florist.

Situation Wanted

An all around Carnation Grower capable of taking charge. Chicago preferred. Can furnish the best of references. State salary when writing. Key 637 care American Florist.

Greenhouse Glass

We bought too much and offer 100 Boxes D. S. A. 18 x 24

Best Glass Made at \$2.50 per box. Delivered at Depot. Cash with the Order. F. Walker & Co., LOUISVILLE, KENTUCKY.

Wanted at once.

A first class Carnation and Mum grower. Send references and state wages expected in first letter or call personally. JOHN RECK & SON, BRIDGEPORT, CONN.

Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address

Key 615, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party. Key 628, care American Florist.

Help Wanted.

A German manufacturer, who makes special heating plants and boilers for greenhouses, desires to secure the services of a capable representative in America (an experienced florist preferred) to start immediately. Apply in writing to

Key 610, care American Florist.

FOR SALE-A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Ill.

FOR SALE.

Seed, Nursery, Plant and Flower Business for sale. Annual Sales, \$80,000.00. Large cash mail order business from Texas, Oklahoma, Arkansas and Louisiana; 60,000 names of property owners lately revised. Manager, who owns controlling interest in the corporation, wishes to retire. Write for particulars or come and investigate.

DRUMM SEED & FLORAL CO., 507 Houston Street, Fort Worth, Texas.

For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE, 1607 Second Avenue, Rock Island, Ill.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

Agricultural Propagator

The United States Civil Service Commission announces an examination at the several offices of the board on June 5 1912, to secure eligibles from which to fill a vacancy in the position of agricultural propagator in the Philippine service at a salary of \$1600 per annum. The examination is for men only between 20 and 40 years of age, open to all citizens of the United States. Practical experience in nursery or orchard work and an expert in budding, grafting and other forms of propagation is desired.

Applicants should at once apply to the United States Civil Service Commission, Washington, D. C., for application form B. 1. A. 2 and for information regarding the examination.

Beauties, Carnations, Roses, Peonies

Fine Large Crops for
JUNE WEDDINGS AND SCHOOL CLOSINGS

Buy Direct of the grower.

We grow all the stock we sell and guarantee it strictly fresh.

Price List

Subject to change without notice.

AMERICAN BEAUTIES	Per doz.	KILLARNEY AND WHITE KILLARNEY, RICHMOND, MARYLAND, KAISERIN AND PERLES	Per 100
Extra long	\$3.00	Extra long select.....	\$8.00
36-inch	2.50	Good length	6.00
24-inch	2.00	Medium length	4.00 to 5.00
18-inch	1.50	Short	2.00 to 3.00
12-inch	1.00		Per 100
Short	per 100, \$4.00	LILY OF THE VALLEY	\$3.00 to \$ 4.00
AARON WARD AND RHEA REIDS	Per 100	SWEET PEAS	1.00 to 2.00
Extra long select	\$8.00	ASPARAGUS SPRAYS	3.00 to 4.00
Good length	6.00	SPRENGERI	2.00 to 3.00
Medium length	5.00	FINE EASTER LILIES	
Short	\$3.00 to 4.00	Per dozen.....	\$1.00 to \$ 1.50
CARNATIONS	Per 100	Per 100.....	6.00 to 8.00
Extra long fancy, O. P. BASSETT....	3.00	ADIANTUM	\$1.00 to \$ 1.50
Extrz long fancy white	3.00	GALAX—Bronze	per 1,000, \$1.00
Fancy pink	2.00 to 3.00	FERNS—Eastern	per 1,000, 3.00

PEONIES and all Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Mention the American Florist when writing

Chicago.

A GREAT MEMORIAL DAY.

With the sudden turn to real summer weather last week and the early part of this, the flowers were shipped into the market in large quantities. While the warm days, and they were warm, the thermometer reaching 90 degrees on one day, were productive of a greatly increased quantity, yet they also were severe on quality, especially the roses, which were received by the thousands and although some of the stock was of fair quality, yet many were small and soft, and the Killarneys, White Killarneys and Richmonds opened very quickly. American Beauties were received in very large quantities and as the weather held warm, and the flowers were bound to open, the "S. O. S." signal was sent out to the large buyers, and the retail stores all had grand displays of this variety, the queen of roses. Peonies were forwarded in large shipments and many of the finest varieties, and the wholesalers who handle them in quantities were taxed to the utmost in unpacking and getting the great quantity received ready for reshipment. Bulbous stock is about through, the yellow narcissi have passed and the only tulips left are the Parrots, Darwins and other late varieties. There is, however, a fine lot of double white poeticus narcissus that came in just right for Memorial day. Carnations are not any too plentiful, that is first class stock, which sells at a good figure, but the held over stock that begins to take on a sleepy look and the small flowers were sold very cheap. Lilies are of very good quality, and there is a fair supply, but the orders for Memorial day will be very large. Lily of the valley is quite plentiful and the quality of most of the stock is first class. Sweet peas are

received in large numbers and in various grades, the older vines are now producing nothing but short stems, but there are some beautiful Spencer varieties (Butterfly) to be had with large flowers and long stems. Anterrhinum of the long grade is quite scarce, there being but little that is not short and small. Mignonette also shows the effects of the hot weather. Gladiolus is fine, there being some elegant spikes of Mrs. Francis King, Augusta and America as well as Bride, Blushing Bride, and Peach Blossom of the small flowered varieties. Lilac is not seen in such large quantities, but the windows are full of Spirea Van Houttei, which will come in handy for Memorial day. The stock of greens is still rather short, new hardy ferns are just coming in but they are not yet real hard and the old stock is preferred at higher prices. The warm weather has caused a grand rush to be made on those who deal in bedding stock, and the force has been kept at top notch speed getting the beds and window and porch boxes set out. Everything looks well for a grand Memorial day trade.

NOTES.

The Pulverized Manure Co. is mailing to the trade this week its new wholesale list for dealers and growers, which is effective June 1 and cancels all former lists. After a careful perusal of the pages, which also contains some valuable information regarding the firm's product, the reader begins to believe that the author is right when he says Wizard Brand Manures "help nature hustle." Anyone in the trade who would like to obtain a copy of this list can do so by sending their name and address to the firm's office, 32 Union Stock Yards, in this city.

The wholesale houses are experiencing some difficulty with customers who

conduct their business under a firm or greenhouse name, and sometimes order under this name and again under the personal name of the proprietor, which causes much trouble and sometimes necessitates carrying two accounts for the same firm. It will be greatly appreciated by the wholesale men if the buyer will use either his name or the firm's name altogether when ordering, and they feel sure that the buyer will be only too glad to do this now that it has been brought to his attention.

The demand for bedding stock at the Geo. Wittbold Co.'s continues to be good, and a large quantity of plants are now being shipped out. The bay trees and boxwood trees are also moving well and the large assortment of specimens is gradually diminishing.

Wm. F. Schofield had the decoration for the opening of the new buffet in the Palace theatre, opposite the City hall square, on May 25, and the artistic arrangement of the flowers was a credit to the florist and harmonized well with the magnificent \$30,000 interior.

James J. Curran, recently of Danville, Pa., is visiting his daughter and son-in-law, G. E. Simpson, 1967 Balmoral avenue, and incidentally calling on some of his many friends in the trade.

The many friends of John A. Evans, of Richmond, Ind., much regretted to hear of his unfortunate accident in London, where he fell in stepping from a carriage and broke his leg.

Fred Strail, with Lubliner & Trinz, arranged the decoration for the banquet which was given in honor of Congressman Mann at the Chicago Beach Hotel on Saturday, May 25.

Miss Rennie Garland returned last Sunday, May 26, from a long visit at Albuquerque, N. M.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Long Fancy Beauties

Richmond, White and Pink Killarney,
Peonies, Lilies, Spanish Iris, Orchids,
Valley, Mignonette and Greens of all kinds.

For Commencements

We can supply you with Class Colors in Flowers and with Half
Open Roses for immediate use on short notice. Excellent service.

For June Weddings

Orchids **CATTLEYAS** Orchids

We are cutting an extraordinary large supply of Gigas,
Mossiae, Mendellii and Gaskelliana.

CURRENT PRICE LIST

Subject To Change Without Notice.

AMERICAN BEAUTIES.	Per Doz.	Per 100
Specials	\$ 3.00	\$ 8.00
36-inch	2.50	6.00
30-inch	2.00	5.00
24-inch	1.50	3.00
20-inch	1.25	
15-inch	1.00	
Short stem	per 100 \$4.00 to 6.00	
PRINCE DE BULGARIE, Antoine Rivorle or Mrs. Taft.	Per 100	
Fancy	\$8.00 to \$10.00	
Medium	6.00	
Short	4.00	
MELODY, fancy long.	\$8.00 to 10.00	
Medium	6.00	
Short	4.00	
MRS. AARON WARD.	\$8.00 to 10.00	
Fancy Long	6.00	
Medium	4.00	
Short	8.00	
RICHMOND, select	6.00	
Fancy	\$4.00 to 5.00	
Medium	3.00	
Good Short	8.00	
KILLARNEY, select	6.00	
Fancy	\$4.00 to 5.00	
Medium	3.00	
Good Short		
WHITE KILLARNEY, select	\$ 8.00	
Fancy	6.00	
Medium	\$4.00 to 5.00	
Good Short	3.00	
ROSES, extra special billed accordingly.		
CARNATIONS, fancy, white, red and light pink.	3.00	
our selection	2.00	
common	1.50	
SHASTA DAISIES	\$2.00 to 3.00	
ORCHIDS, Cattleyas, per doz.	\$4.00 to 6.00	
PEONIES	\$6.00 to 8.00	
EASTER LILIES, per doz., \$1.50	\$8.00 to 10.00	
SPANISH IRIS	\$6.00 to 8.00	
VALLEY	\$3.00 to 4.00	
MIGNONETTE, large spikes	4.00	
DAISIES	\$1.00 to 1.50	
SWEET PEAS, fancy Butterfly	1.50	
SWEET PEAS, common	\$0.75 to 1.00	
ADIANTUM CROWEANUM	1.00	
SMILAX, extra long and heavy, per doz.	3.00	
SPRENGERI, PLUMOSUS SPRAYS	\$3.00 to 4.00	
PLUMOSUS STRINGS, extra long and heavy	each .60	
PLUMOSUS, streng, long, medtium	each .45	
FERNS	Per 1000 3.00	
GALAX	Per 1000 1.25	
LEUCOTHOE	Per 100 .75	

Good Short Stem Roses, \$20.00 per 1000; 500 at the same rate.

Fancy Carnations, white, light pink, and red, \$25.00 per 1000; 500 at same rate.

POEHLMANN'S FANCY VALLEY EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year.
Once tried you will have no other.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Large Supply of Beauties, Roses and Carnations.

FINEST STOCK IN THE CHICAGO MARKET. BAR NONE.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

	Per Dozen		Per Dozen
60-inch stems.....	\$4 00	24-inch stems.....	\$1.50
48-inch stems.....	3 00	20-inch stems.....	1.25
36-inch stems.....	2 50	15-inch stems.....	1.00
30-inch stems.....	2 00	Short Stems.....	.75

Killarney.

	Per 100
Extra special.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Richmond

	Per 100
Extra specials.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Jardine

	Per 100
Fancy, 24-inch stems.....	\$8.00
Good, 15 ".....	6.00
Short.....	4.00

White Killarney

	Per 100
Extra specials.....	7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Uncle John

Fancy.....	\$6.00
Good.....	3.00
Short.....	2.00

Roses, our selection

\$3.00

Carnations,

Extra Special.....	\$3.00
Special.....	2.50
Fancy.....	2.00
Good.....	1.50

HARRISII..... 12.50 to 15.00
 FERNS, per 1000, \$3.50. NEW FERNS, per 1000, \$2.00 to \$2.50. SMILAX, per doz., \$2.00 to \$2.50.
 ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.
 SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

Bassett & Washburn are pushing work on their new property at Greets station and the ground is now being leveled, a well being drilled and the carnations have all been planted in the field. This firm is cutting a magnificent grade of Rhea Reid and Mrs. Aaron Ward roses and the large supply is always quickly sold to their best customers. Art. Pasternik and Joe Einveck are working under difficulties this week. Arthur is suffering with blood poisoning and has his left hand bandaged up and Joe has a few of his employer's carbuncles on his neck.

Wietor Bros. are having a fine Memorial day trade and are supplying their customers with extra fancy American Beauty, Killarney, White Killarney and Mrs. Jardine roses. The latter are very beautiful when they are partly in bloom and many can be seen prominently displayed in the windows of the down-town stores. N. J. Wietor says that the spring work is progressing very favorably and that his firm has already planted 60,000 carnations indoors.

The Chicago Flower Growers' Association received some new Mexican ivy of good quality this week and also a fine grade of Cape Jasmine, Killarney roses and other, seasonable stock. Mr. Kidwell says that he has leased the fourth floor of the firm's building to a local hardware concern for \$65.00 a month and that increasing business has necessitated the moving of the packing department to the second floor.

Nic. Kruchten is cutting a fine grade of "Butterfly" sweet peas and his entire output is sold by his son John at his wholesale store on the local market. Mr. Kruchten was one of the first growers in this vicinity to grow this variety and it is needless to say that he was very successful with it,

for the fine quality of the stock that he is now cutting speaks for itself.

Tim Matchen and his force of assistants are very busy at the Peter Reinberg store packing Memorial day orders and the shipping trade at this house this week has been exceptionally brisk. The American Beauties that this house are offering are fine and a good supply of the pretty rose Sunrise was also noticed.

A. L. Vaughan & Co. were busy as bees this week with Memorial day business and a couple of new faces were seen helping out the regular force during the big rush. The genial southerner himself was right on the job with his sleeves rolled up and set the pace for his willing helpers.

E. H. Hunt is featuring a fine grade of Richardson's Rubra Suberba peonies, and C. M. Dickinson says at the first of the week that he had 600 dozen of these choice flowers to offer. A. F. Longren is back from a successful business trip and is now helping out at the store during the rush.

J. A. Budlong's fine blue ribbon lily of the valley continues to arrive in large quantities and fancy Aristocrat and Afterglow carnations are now being used largely on shipping orders.

George Pieser has been engaged as florist at the Hotel La Salle and will hereafter have charge of the floral department.

E. E. Pieser, the Peony King, and his Peony Kids were pretty busy at Kennicott Bros. Co's. store this week and they certainly worked hard and moved a large quantity of stock.

John Sinner says that he did not have any trouble disposing of his peonies this week and that he was well satisfied with the prices that he received for them.

Fred Hoerber is through serving on the jury and his many friends are now pleased to see him back at his old

U S Budlong's E Blue Ribbon Valley.

stand again at Hoerber Bros.' store. His firm is cutting a fine grade of Butterfly sweet peas and roses and is fortunate in having good crops for the June weddings.

The J. B. Deamud Co. filled a large number of orders for double white narcissus and peonies for Memorial day and at this writing they were still working and orders were still coming in.

H. Van Gelder has installed another large wall case in Percy Jones' supply department this week and it sure does show that he is going to carry a full line.

Chas. W. McKellar is showing some fine orchids and peonies and his stock in general compares favorably in quality with that of the other houses.

Weiland & Risch are receiving a good supply of roses and carnations and a fine grade of gardenias is now one of the chief offerings.

The E. F. Winterson Co. had a fine line of all seasonable stock for Memorial day and sold a large quantity of peonies and carnations.

Kohout & Merker report that the Lawndale Floral Co. is enjoying a good season and that the demand for plants is very large.

Joe Weis is prospering in the retail business on Southport avenue and his trade is rapidly increasing.

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph St., CHICAGO.

LARGE CROPS

Beauties = Roses = Carnations

Fine Flowers for Weddings and School Closings.

Send Your Orders Direct to the Grower and They Will be Taken Care of
CURRENT PRICE LIST.

AMERICAN BEAUTIES		Per doz.			
Extra long stems.....		\$3 00	Mrs Aaron Ward	{ Select	\$8 00
36 inch stems.....		2 50		{ Medium	6 00
30 inch stems.....		2 00		{ Short	\$4 00 to 5 00
24 inch stems.....		1 50	Sunrise.....	{ Select	\$6 00
20 inch stems.....		1 25		{ Medium	5 00
15 inch stems.....		1 00	Roses, our selection.....	{ Short	4 00
12 inch stems.....		75	Carnations, fancy		3 00
Short Beauties		50	Carnations		2 00 to 2 50
Richmond	} Select	\$8 00	Harrisii		1 50
Killarney.....			Medium	per doz.	1 50
White Killarney			\$5 00 to 6 00	Valley	3 00 to 4 00
My Maryland...	Short	4 00	Sweet peas	75 to 1 25	
			Adiantum		1 00
			Asparagus, per bunch.....		50
			Ferns, per 1,000		3 50

"The Busiest House in Chicago."

How were you satisfied with your Memorial Day shipments?
All of our customers were well pleased with the stock
that they received from us. Everything for June Weddings.

J. B. DEAMUD CO.

Phones { Central 3155. 160 N. Wabash Ave., CHICAGO
Auto. 44-389.

Frank Evert, one of the oldest settlers of this city, died at the home of his son-in-law, Henry Wieter, on Monday, May 20, at the age of 86 years. The late Mr. Evert was held in high esteem by the residents in Rogers Park and a large attendance was present at the funeral which was held in St. Henry's church the following Sunday. The body was laid to rest in the cemetery adjoining the church and the floral offerings were many and beautiful.

Poehlmann Bros. Co. are right in crop with orchids and some magnificent Cattleya Gigas, C. Mossiae, C. Mendellii and C. Gaskelliana are now arriving

in large quantities at the store. Long stemmed American Beauty roses and fancy Butterfly sweet peas are also arriving in fine shape and are moving readily. Otto W. Feese says the orders were many for Memorial day and that the holiday business was very satisfactory.

George Reinberg is cutting a fine grade of Richmond roses and the supply on May 23 was very large, the biggest that Robert Northam was ever called upon to handle. The huge ice-box was completely filled with choice blooms and when one opened the door he could see nothing but a solid mass of crimson buds.

H. A. Fischer, of H. A. Fischer & Co., Kalamazoo, Mich., bought 1,000 dozen peonies for his Memorial day trade while he was in the city here this week. His firm's business is ever increasing and a new Schack automobile truck was added to the delivery service this month.

Henry Wittbold and his force of assistants are very busy and the order book shows that they have several large wedding decorations for next week.

Erne & Klingel, the new wholesalers, have added another grower to their list and are now offering a fine grade of lilies.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.
G. C. WEILAND, Sec'y.

GOOD SUPPLY of Stock For June Weddings & Commencements

EXTRA FANCY

Peonies, Roses,
Carnations, Sweet
Peas, Valley, and
Greens of all Kinds.

CURRENT PRICE LIST:

	Grade	A	B	C	D	E	F	G
Beauties.....	per dozen	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.50	\$ 1.00		
Killarneys.....	per 100	8.00	6.00	5.00	4.00	3.00	\$2.00	
White Killarneys.....		8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....		8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....		8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....		8.00	6.00	5.00	4.00	3.00	2.00	
Maids.....		8.00	6.00	5.00	4.00	3.00	2.00	
Brides.....		8.00	6.00	5.00	4.00	3.00	2.00	
Carnations.....		3.00	2.00	1.50	1.00			
Callas.....		10.00						
Easter Lilies.....		10.00	8.00					
Orchids, Cattleyas.....		50.00	35.00					
Lily of the Valley.....		4.00	3.00					
Iris.....		5.00	4.00	3.00				
Sweet Peas.....		1.50	1.00	.75	.50			
Mignonette.....		4.00	3.00					
Tulips, assorted colors.....		3.00	2.00					
Peonies.....		8.00	6.00					
Daisies.....		1.00	.75	4.00				
Asparagus Plumosus Sprays.....		4.00	3.00					
Asparagus Sprengeri Sprays.....		4.00	3.00	2.00				
Mexican Ivy.....		.75						
Smilax.....		25.00						
Adiantum.....		1.00	.75					
Galax, Green or Bronze.....	per 1000	1.00						
Ferns.....		3.00	2.50					

Eddie Schultz and Miss Marie Schmidt will be married at the home of the latter's parents on Saturday, June 8. Mr. Schultz has charge of the carnations at E. C. Amling Co.'s store and everybody in the trade here knows Eddie and wish him a pleasant journey on his matrimonial voyage.

Frank Johnson says that the A. L. Randall Co. has already disposed of one carload of sphagnum moss and that another one is about due to arrive.

John E. Lapes of Cedar Rapids, Ia., was in the city this week buying stock for his holiday trade.

Visitors: H. C. Irish, St. Louis, Mo.; J. D. Carmody, Evansville, Ind.; Wm. F. Kasting, Buffalo, N. Y.; Philip Breitmeyer, Detroit, Mich.; J. E. Lapes, Cedar Rapids, Ia.; Irwin Bertermann, Indianapolis, Ind.; H. M. Burt, Kan-kakee.

Chicago Bowling.

The four beautiful stick pins that the A. L. Randall Co. donated to the bowling league are now in Allie Zech's hands and will be given as prizes to the high average man of each team at the end of the season. The individual and team scores for games played Wednesday, May 22, are as follows:

Orchids.	Carnations.
Krauss ...149 128 144	Lorman ...180 139 168
Graff ...185 142 171	Ayers ...205 198 174
Huebner ...147 109 206	Schultz ...174 156 155
Farley ...179 128 139	Balliff ...180 162 190
Zech ...180 118 170	A. Zech...189 172 144
Totals ..743 625 830	Totals ..928 827 831
Roses.	Violets.
Schl'man ...103 112 110	Goerisch ...148 145 132
Stack ...141 137 147	Lieberm'n ...117 184 141
Sweeney ...157 152 158	Schl'man ...128 186 163
Wolf ...147 132 162	Potoka ...116 114 140
Fischer ...179 201 200	Cass ...141 116 123
Totals ..727 744 777	Totals ..650 745 699

Detroit.

A review of the trade the past week is a mere recital of complaints from growers, wholesalers and retailers alike. Commencing with Monday, which brought excessive heat, unfavorable to trade and consignment of flowers of all kinds far in excess of the limited demand. This condition continued daily, with increasing aggravation as the end of the week approached, finding the market heavily loaded with immense quantities of lilies, roses, carnations, Gladioli Calvelli and snapdragon, Darwin lilies and sweet peas. Fortunately for the situation, a charitable institution undertook the sale, on the streets, of the accumulated surplus and succeeded in disposing of 30,000 flowers, netting a fair return for much of the week's accumulation, but the retailers had no share in this business so fruitful to the growers. Decoration day promises the injection of new life into the situation and the beginning of the present week marks a strengthening of prices, though no diminution of stock is indicated, carnations alone being the only item that will be probably short of the demand, this being the result of heavy orders coming from the smaller country towns. Roses will be plentiful, with no appreciable advance in price. Gladioli Calvelli will be on the market in great quantities and one grower, who makes a specialty of Darwin tulips, promises a shipment to the wholesale house of 30,000 flowers. Easter lilies cannot, it seems, be moved at any price, and there seems to be no end to the crop, as many growers are heavily in crop. Peonies are received from southern points, but as yet meet with little demand. The Michigan Cut Flower Exchange is handling the finest fancy ferns ever seen at this season of the year on this market. They are

U S Budlong's E Blue Ribbon Valley.

shipping thousands of them to all points of the country. Asparagus plumosus is in great demand, especially the short sprays, much of it being used in corsage bouquets now so popular. The plant growers are now deep in the season's work, shipping and planting thousands of geraniums, fuchsia vincas, coleus and other bedding plants. Boxwoods are in good demand and many fine specimens now adorn the beautiful homes of our city. Window boxes are as popular as ever and some of the florists are over-worked with this branch of the business.

NOTES.

E. A. Fetters has purchased a lot 70x200 on Woodward avenue, near Bethune, in the heart of the fine residential district. He will before long build a greenhouse and store on the property and operate the place independent of his Farmer street store. Mr. Fetters, with his wife, enjoyed a trip to Mt. Clemens last Sunday in his new Cole 40.

W. B. Brown has made an investment in real estate at Highland Park. This he may later use for a floral store and greenhouse.

Harry Breitmeyer now gets around the city in a new Hupp touring car.

John Corey of Mt. Clemens made a business trip to Bay City last week.

Philip Breitmeyer is visiting the trade in Chicago this week.

OUT OF TOWN FLORISTS

Who appreciate High Grade Stock will find it to their interest to write us for prices before placing their orders elsewhere.

We are Right in Full Crop Now

with an exceptionally fine grade of Killarney, White Killarney, Richmond and My Maryland Roses and can supply you (in addition to the above flowers) with a choice grade of Beauties, Peonies, Carnations, Butterfly Sweet Peas, Valley, Lilies, Callas and Gladiolus. We have these in large quantities.

AND CAN FILL ALL ORDERS

promptly at a moment's notice. If you have not already placed an order with us, do so immediately and see what good care we take of our customers, by supplying them with first class stock. Stock that will stand shipment and arrive in exceptionally good condition.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

Long Distance Phones:
Randolph 2758.
Automatic 41770.

Chicago.

Harry Smith is doing a rushing business in cemetery planting, being conveniently located opposite Woodlawn and Evergreen cemeteries, out Woodward avenue.

George Hampton, Jr., representing Mitchell's Seed House, Philadelphia, spent several days here last week, leaving with well filled order books.

Miss Hattie Halyhauer's mother suffered a paralytic stroke last week, but is now recovering.

D. E. Stevens of Port Huron, Mich., died early Thursday morning, May 23.
J. T. S.

Cincinnati.

THE MARKET.

According to all indications the Decoration day business should be one of the largest of that day's business that this market has ever known. The supply of everything will be large and there is at the time of writing quite a large number of orders already on file. The peony cut is large and the stock all very good. Carnations are coming in better than was expected a fortnight ago. Other stock is in a good supply. Cape jessamines are now in. Last week business was good, but the supply was as a whole somewhat larger than could be readily used and as a result by the close of the week there was somewhat of an accumulation in roses, carnations, lilies, etc. The accumulation was due in a large part to one of the trains that always carries large shipments to this city getting in about 5 hours late. The wholesalers, instead of receiving their stock at 7:30 a. m., received it at noon. This was, of course, after the principal part of the day's business was over. The outlook for commencement and wedding flowers is good. American Beauties are from a new crop just coming in. Other roses of

good quality are in an adequate supply. The lily of the valley offerings are sufficient for requests and a larger supply is promised. Other stock includes miniature and large gladioli, corn flower, pansies and sweet peas.

NOTES.

C. E. Critchell has made arrangements for and expects to handle and ship more peonies this Decoration day than he has ever disposed of for this day in previous years. He is also receiving Cape Jasmynes.

The local trade were sorry to hear of the death of J. J. Lodder of Hamilton, O. Mr. Lodder was an honorary member of the Cincinnati Florists' Society.

Gus. Meier, president of the Hyde Park Rose Co., reports a larger call for salvia in their suburb than for any at Pleasant Ridge.

Albert McCullough is cutting excellent peonies from his private gardens other bedding plant.

Visitors: Chas. Dudley of Parkersburg, W. Va.; Mr. and Mrs. C. W. Crouch of Knoxville, Pa.; J. T. Herdgen, Aurora, Ind.; Fred Rupp, Lawrenceburg, Ind. H.

St. Louis.

GOOD PROSPECTS FOR MEMORIAL DAY.

Trade was very good the first part of the week but during the latter part the wholesale houses were well stocked in all lines, sweet peas, peonies, roses, carnations, jasmynes could be had at low prices. A few weddings, openings and steamship departures helped some. Prospects for Memorial day are that there will be plenty of flowers to go around.

NOTES.

C. Young & Sons Co. have a full line of blooming plants for Memorial day.

U S Budlong's E Blue Ribbon Valley.

Will Young, manager at the greenhouses, is getting better and is able to be about again. Good trade is reported at the down town store.

Fred. Bruenig has a fine supply of blooming plants for Memorial day and is cutting a fine lot of peonies and miniature gladioli.

Edward G. Kelley is doing a nice trade at his store on Eighteenth and Olive streets and his sales of gold fish are increasing daily.

Otto Sander will shortly move into a new location, his present store having been leased by a large department firm.

Grimm & Gorley made up several floral steamships with electrical effects for parties leaving for Europe.

Alexander Floral Co., will enlarge their plant and will consign their surplus to the wholesale market.

Mrs. Theodore Miller who underwent an operation is now convalescing and able to be around.

Mrs. Pelletier had orders for large quantities of funeral work the past week.

The trustees are making arrangements for the annual florist's picnic. Geo. H. Angermueller is handling large supplies of sphagnum moss.

J. J. Beneke was high man at the city bowling tournament.

Quite a number of the growers are now growing mushrooms.

Kalisch Bros. report trade as fairly good.
W. F.

Peonies, Valley and Sweet Peas

For June Weddings and Commencements

Also Daisies, Killarney, White Killarney, Beauties, Gladioli, Orchids and Carnations. Fine Mignonette, Ferns and Greens of all kinds. Extra choice stock. Fine for shipping orders.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.

PHONES

Central 2571

Automatic 48-734

CHICAGO

Rochester, N. Y.

The pleasant smiles and happy faces of the proprietors of both the wholesale and retail stores shows very plainly that business is again in its normal condition. Large shipments of carnations and roses are continually flooding the market, but they arrive in a soft condition, owing to the hot weather. American Beauties are having a good sale, and the amount of stock is none too large to meet the requests. Lily of the valley is quite plentiful, the quality is very fine and there is a good call. A great quantity of out-of-door lily of the valley is also being brought in. Cattieyas are especially fine this week and find ready sales. Pansies are very plentiful and some very large blossoms are to be had. Baby gladioli are coming in in good quantity. Killarney, White Killarney, My Maryland, Richmond, Kaiserin and Mrs. Aaron Ward roses are very plentiful and are disposed of very quickly. Marguerites are shown in good quantity, both yellow and white, and there is a very good demand for them. Smilax and other greens are short all the time and do not fill the requirements of the retailer.

NOTES.

Harry P. Neun had a very attractive window this week. It represented a room decorated for a house wedding. A bank of palms and hydrangeas was the background and two immense vases of tulips just at the back of the altar rail, the rail being of white enamel with two satin pillows. Large loops of white satin ribbon greatly added to the effect. On the carpet leading to the altar were placed a handsome shower bouquet of white Killarney and a bridesmaid's bouquet of pink Killarney roses. The whole effect was very good and drew large crowds.

The Canadian delegates from St. Catharines, Ont., Can., numbering about 100, visited this city Friday, May 24. They were met at the depot by the mayor and other officials and were taken in specially chartered automobiles to Highland, Seneca and South parks. Most of their time was spent at Highland park, where upwards of 100 varieties of lilacs were in bloom. They expressed much delight in their visit and left at 7 p. m.

The Syracuse Florists' Association were unable to visit this city May 22 as planned, owing to the small number who were able to get away for the day.

The florists just outside Mount Hope cemetery are very busy, crowds of people purchasing bedding-out plants to decorate the graves.

Geo. B. Hart reports that he is having a large sale of spring plants.

Charles E. Sharpe is now working for H. P. Neun. H. J. H.

GIVE US AN ORDER

Our Stock Is of Good Quality

And our prices are right. We particularly request you to try us on Peonies, Roses and Carnations.

SINNER BROS.,

82-84-86 E. Randolph St., CHICAGO, ILL.

Baltimore.

The warm sunshine of the last few days has caused the roses to pop open and a great many have been brought to the Exchange this week. More roses than demand for them just now. The out-door flowers are coming to the front these days and the florists expect to do a good business on Decoration day, though the trade with us on that day is not what it is in the New England states, especially in towns near Boston, for anything that is a flower sells there at that time.

NOTES.

The A. S. Abell Estate, owned by the founder of the "Baltimore Sun," has been sold to the Roland Park Land Co., and they are getting it into shape preparatory to building fine homes. Ornamental shrubbery has been planted along the whole length of the portion bordering the York road, and draining and grading are being pushed rapidly. We were sorry to see the old landmark, a huge lion, which has guarded the entrance for years, disappear from view. This fine old property, with its magnificent forest trees and park, has been one of the last to go into the hands of the real estate men.

One of the principal attractions this week has been the Horse Show at the Elkridge Hunt Club. Large crowds have been present each day. The beautiful costumes of the ladies are always a feature of the event as well as the fine display of horses and their actions. Miss Elkins, as well as several other prominent society women, rode. The dinners after the show have been numerous, and, of course, this means money in the florist's pocket.

Our parks are looking their very best just now and no prettier spot can be found on a beautiful May day than Druid Hill park, with its velvety lawns, fine old trees and flowers, in the midst of which sits the old Colonial Mansion House, which is visited by all on a day's outing.

U S Budlong's E Blue Ribbon Valley.

Anne Arundel county has been bothered with the cutworms, which have destroyed the tender plants in hot-beds, and farmers are afraid of injury to their sugar corn and field corn.

Louden Park, where the most of our soldiers are buried, is always profusely decorated, all paying tribute to the dead heroes.

A meeting of the Gardeners' Club was held on Monday, May 27, and this being ladies' night, several were also present. B.

Pittsburg.

The bright warm weather has brought out an abundance of all kinds of flowers, and as always is noticeable, business also fell off. Of course, this does not apply to planting, as many florists are compelled to turn down planting jobs almost every day. Peonies are arriving in good shape, especially the early red varieties. The outlook for Decoration day is exceedingly good.

NOTES.

W. F. La Croix, of Buena, N. J., who ships quantities of white lilac to this market, was a recent caller.

The Knight Templar meeting is calling for beautiful decorations among all the florists.

WAKEFIELD, MASS.—Permission has been granted Charles C. Ball to erect an addition to his greenhouses.

SEASONABLE CUT FLOWERS

For all Occasions---Especially for
JUNE WEDDINGS AND COMMENCEMENTS

Full line of everything: Fine Peonies, Roses, Beauties, Sweet Peas (Butterfly), Daisies, Gardenias, Cape Jasmine, Valley, Lilies, Callas, Gladioli and Greens, Try us. We will treat you right and bill you at lowest market prices on day of shipment.

JOHN KRUCHTEN

162 N. Wabash Ave., Phone Central 6269 CHICAGO

Boston.

BUSINESS GOOD.

Things are about the same as last week; some put on a cheerful smile and talk about selling out clean, while others will show you what they had left from yesterday. Big roses this week are not called for and are almost the last thing to move. The small rose seems to be the best seller at present. There is every indication of a fair cut of roses, although there will be no oversupply. The carnation market is up in the air. We were pleased to hear of W. A. Manda taking 22 prizes over in London. This is the case of the pupil beating his trainer, and the world looked upon the old country as being the king pin of plantsmen, especially in dear old London, don't ye know? Boston has known Manda years ago, and they have followed his successes everywhere, and the craft has been elated and pleased, and this latest splurge has made us feel big-chested. Walsh of Wood Hole is to be commended also for beating the Brits. Pretty soon they will own up that we are not all liars over here and that some of the trade can do big things quietly and open their eyes. Boston common is showing the good effects of manure and a change of soil. It looks better than it has for years. The cost has been great, but it has and will more than repay the expense with a deep green carpet. A new band stand has been built of marble. The Weary Willys and Tired Tims can rest under the shade trees and listen to the municipal band rendering anything from rag time to Mozart.

NOTES.

P. Welch returned from a western business trip. MAC.

Nashville.

TRADE VERY LIVELY.

The past week has been a busy one with the florists of this city, who have had all they could do with the numerous school commencements which have called for a large quantity of flowers. There are many educational institutes here, and as all have public exercises of some kind, there is a great call for flowers, and the end is not yet; for the public schools and the universities are to have their commencements in the next week, or two. Besides the flowers sent to graduates—and they are not a few—there has in most instances been elaborate platform decorations; and where they had



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NOTES.

The Joy Floral Company had very handsome American Beauties and good sales on all they could cut. They also had other fine roses, which together with carnations were much in demand.

Geny Bros. had roses, carnations and lilies-of-the-valley and a fine sale on them. They furnished not a few fine baskets.

Haury and Sons had fine carnations and used many fine roses for the commencements. M. C. D.

NEWTONVILLE, MASS.—George W. Harris is building a new greenhouse on Walnut street.

WORCESTER, MASS.—Michael P. Query, formerly with H. F. Littlefield, has opened a flower store at 14 Front street.

PROVIDENCE, R. I.—The Rhode Island Horticultural Society held its meeting May 15 and were addressed by F. G. Lawson on "Possibilities of Small Fruits as Grown on the City Lot" and by Eugene A. Appleton on "Making and Keeping a Lawn."

baccalaureate sermons in the churches, there were handsome decorations all calling, not only for palms, but for lilies and roses as well. The blooming hydrangeas have been special favorites for this purpose. American Beauty roses have had a fine sale and no graduate was too insignificant to receive a bunch of them. The old time basket has had some partiality shown it and was often seen in the floral tributes. Added to the annual call there have been several funerals of prominent citizens. The approach of Memorial day does not affect the trade here as it does further north, from the fact that at this season the out-of-door blossoms are most abundant and quantities may be had for the asking, therefore the florists never take into consideration Memorial day. We have two days set apart for decoration, May 30 and June 4, for the Federal and Confederate cemeteries respectively, and each have their ceremonies, flowers and oratory. The very rainy season has dropped to a very dry time and the sun shines down with a seemingly increased ardor that has come upon us suddenly and made it very hard on the flower growing.

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European Horticulture.

FROM THE BRITISH TRADE PAPERS.

Jasminum nudiflorum for Forcing.—This rapid growing climber, which is quite hardy in France and England, is naturally winter blooming and easily to be had in flower by the New Year. It multiplies easily by cuttings or layers, and its single yellow opposite flowers produced on the bare twigs, have an unusual and spring-like effect. To produce plants for this purpose, rooted cuttings or layers made in spring will produce quite good plants by fall; these may be potted singly or several together the following spring to produce a showy potful, sunk in the ground and covered with soil so that the roots may find nourishment outside the pots. After a few ripening frosts, these pots should be taken up and brought inside for ten days or so, when they will bloom freely; they do not require special light or heat. After flowering the pots should be again sunk in the ground to prevent bursting. A severe pruning in spring will remove the branches that have blossomed and provide new shoots for the succeeding year, when the process may be repeated. The plants may be trained upright and trimmed like small trees, with decorative effect.

A New Honeysuckle.—In 1910, when *Lonicera pileata* was given an award of merit by the Royal Horticultural Society, it was referred to as well worth growing for the sake of its neat bushy habit alone. By comparison with *Lonicera nitida*—of which there were some charming little examples in Veitch's nursery at Coombe Wood last autumn, and which have since, I believe, been distributed—*Lonicera pileata* is, as an ornamental shrub, left far behind. *Lonicera nitida* is of a dense, compact habit of growth. It is said to reach a height of three to six feet, but I was much impressed with some perfect little examples about two feet high. In this state they would form ideal pot plants for decorative purposes where the conditions are too cold and draughty for tender subjects. The leaves, which are very thickly disposed on the shoots, are small, ovate in shape, and of a bright shining green color. The flowers are said to be creamy white and fragrant, but I have not met with them. At all events, its merits as a foliage plant alone are such that the question of flowers may be passed over.

An Interesting New Zealand Shrub.—Although rarely met with outside botanic gardens, *Coroeka cotoneaster* is sufficiently showy to be brought into

general use. In the south and south-west counties it would thrive in the open ground, while in less favored localities it is worth a position against a wall. Belonging to the cornus family, it forms a dense bush of small, twiggy branches, which are rather sparingly clothed with small, rounded, dark green leaves which have a silvery under surface. The yellow, star-shaped flowers are produced during the latter part of April and May. They are nearly half an inch across, and are succeeded by small, oval, orange scarlet fruits, which ripen in autumn. It thrives in loamy soil, and also succeeds in a compost containing peat. Cuttings of young shoots inserted in sandy soil in a propagating case may be rooted during the summer. A well-flowered example is to be seen growing against a wall with a southern aspect near the water garden at Kew.

New Hybrid Saxifrages.—One of the most interesting exhibits at the last meeting of the Royal Horticultural Society was the beautiful and unique collection of hybrid saxifrages staged by Mrs. Lloyd-Edwards. These were mostly of the mossy section, and several varieties were really magnificent. For instance, *Sanguinea Superba* was the richest color of its kind we have ever seen. The newly opened flowers are rich, glowing scarlet, the color fading somewhat with age. *Rose Beauty*, with bright rose flowers of medium size and compact habit, and *Queen May*, pure white, flowers large, were two others of exceptional merit. Then there were two in the raising of which the British saxifrage, *Saxifraga granulata*, had been used as a parent. One of these was named Mrs. J. F. Tottenham; its habit is compact and good, and the flowers are large, of good form and pure white. The other was taller and had flowers more star-shaped and white. This was named Comet.

Two Fine Astilbes.—There have been numerous introductions from China during the last decade, but two of the best herbaceous subjects are *Astilbe Davidii* and *A. grandis*. The former is similar to *A. Japonica*, so far as the foliage is concerned, but on a larger scale, while the flower-stem reaches a height of four to six feet, the top portion being densely covered with small rose violet blossoms. The latter is very like *A. Davidii* in general habit, but it produces tall spikes of pure white flowers, and is a charming acquisition. Both are quite hardy, and will succeed in a damp border.

New Rose, Mrs. E. Alford.—This new rose received an award of merit when

U S Budlong's E Blue Ribbon Valley.

shown at a recent meeting of the Royal Horticultural Society. It belongs to the hybrid tea section, and as a forcing rose it has many good points. This new-comer appears the embodiment of the best attributes of Mme. Abel Chatenay and La France. There are the well-rolled recurving petals of both of these, wedded to a longer and more pointed flower, such as Mrs. G. Shawyer. In the main the color leans to a rather pale Mme. Abel Chatenay, but the flowers are handsome and well set up on firm, bold stems. The variety is nicely scented.

Deutzia Longifolia.—A delightful novelty and a good garden plant all in one; a plant, too, that must presently be demanded in its thousands. The great charm of the species is the pink coloring of the flowers, these appearing in axillary clusters on every twig and branch, large or small. Bushy and free in growth and flowering, and neat-habited and hardy withal, the newcomer would appear to possess every attribute capable of rendering it immensely popular. It is one of Mr. Wilson's introductions from China and we regard it as an acquisition.

Lewisia Howellii.—A superbly-flowered example of this recently introduced novelty was shown. The succulent leaves are nearly spatulate, with raised, crested, sinuate margins, the stalked inflorescences appearing from the bases of the lower leaves. The plant carried about eleven finely developed inflorescences and a profusion of flowers capable of enduring for weeks. The expanded flowers are of the size of a shilling, buff to apricot in tone and striped with red. By far the most remarkable alpine novelty shown at this meeting.

New Rose, Mrs. C. Reed.—This appears to be a most promising new hybrid tea rose, and certainly it is a fine one for forcing. The flowers are of large size, and fine form, full, broad petalled, and extremely beautiful. The color is creamy-buff, exquisitely suffused with pink, forming an art shade that costumers are sure to imitate

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Wholesale Flower Markets

CHICAGO, May 29.		Per doz.
Roses, Beauty, specials.....	3 50@	4 00
.. .. 36-in		3 00
.. .. 30-in		2 50
.. .. 24-in	1 50@	2 00
.. .. 15-20-in		1 25
.. .. 12-in	75@	1 00
.. .. Short		Per 100
.. Killarney	4 00@	8 00
.. White Killarney	4 00@	8 00
.. Richmond	4 00@	8 00
.. Prince de Bulgarie	4 00@	10 00
.. Mrs. Aaron Ward	4 00@	10 00
.. My Maryland	4 00@	8 00
.. Melody	4 00@	10 00
.. Bride	4 00@	8 00
.. Bridesmaid	4 00@	8 00
.. Uncle John	3 00@	6 00
.. Mrs. Jardine	4 00@	8 00
Carnations.....	1 50@	3 00
Callas	per doz., 1 50@	2 00
Cape Jasmine.....	1 50@	3 00
Cattelyas.....	per doz., 4 00@	6 00
Daisies.....	2 00@	3 00
Dendrobium Nobile.....	8 00@	10 00
Gardenias.....	2 00@	4 00
Gladioli.....	per doz., 1 00@	1 50
.. Baby		4 00@ 5 00
Lilium Harrisii.....	per doz., 1 50	
Mignonette.....		4 00
Narcissus.....		2 00
Spanish Iris.....	4 00@	6 00
Sweet Peas.....	75@	2 00
Peonies.....	4 00@	8 00
Tulips.....	2 00@	3 00
Valley.....	3 00@	4 00
Adiantum Croweanum.....		1 00
Ferns.....	per 1000, 3 00@	3 50
Galax bronze.....		1 25
Leucothoe.....		75
Plumosa String.....	each,	60
Smilax.....	per doz., 2 50@	3 00
Sprengerl, Plumosa Sprays.....	3 00@	4 00

OLATHE, KANS.—L. A. Gleason is planning the erection of a greenhouse this season, which he will plant to sweet peas and chrysanthemums.

Budlong's Blue Ribbon Valley.

quickly. The flowers are borne on long stout stems, and the foliage suggests that the rose has a good constitution.

A New Hybrid Forsythia.—Among the several species and varieties of forsythia flowering at the present time, F. spectabilis, a hybrid of continental origin, is prominent. It is one of the forms of F. intermedia, which is a hybrid between F. suspensa (Fortunei) and F. viridissima. There are at least two other somewhat similar forms—F. densiflora and F. vitellina. F. spectabilis, however, is a golden yellow, quite the richest colored of all the forsythias. The flowers are large and very freely produced on the branches.

Crocus King of the Whites.—This is one of the newer varieties of the Dutch crocuses, which, apparently, are once more taking a stride forward, several new varieties having come into commerce lately. King of the Whites is not only larger, but is better shaped than the old Mont Blanc, which is still a favorite. I have had this beautiful crocus for a few years now, and as my clumps increase in size, so they do in beauty.

Araucaria Excelsa Elegantissima Aurea.—In the small examples as shown this is a very pretty variety, the tips of all the branchlets being of a pale yellow color, which is in marked contrast to the body color of the branches. As an excellent companion to Silver Star, which has whitened or silvery tips, we commend this fine novelty to all.

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 Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000

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PREDICTIONS COME TRUE.

The past week's business was in keeping with the predictions of last week for a record-breaking month. All, or nearly all, the peonies used at commencement exercises were shipped stock; local stock is just about coming in, and is now almost an assured fact for Decoration day, some of the early red arriving on Saturday morning for the first time this season. Carnations have been more plentiful, but the extremely warm weather is fading the colors somewhat; otherwise stock is in fine shape. Roses of all kinds are very plentiful, the warm weather bringing them in in large quantities. American Beauties are in full crop, long stem, medium and short, for funeral work. Kaiserine Augusta Victoria roses are in full crop and are in good demand, their excellent keeping qualities during warm weather making them the favorite white rose for all occasions. Sweet peas are plentiful and find a good market. Valley and orchids had a good call the past week, some fine cattleya Mossiae arriving daily. Greens of all kinds are plentiful.

NOTES.

The Cleveland Florists' Exchange will have a full crop of Beauties and Kaiserine roses for the summer months, as these are considered the best warm weather flowers grown for all occasions. C. F. B.

NORWICH, CONN.—The New London County Horticultural Society held its May meeting in Buckingham Memorial and discussed spring gardening and beautifying the city.

DATON, O.—Warren G. Matthews opened his new store at 32 South Main street May 11 and thousands of people were delighted with the display which greeted them on opening day. A souvenir button containing a painting of an American Beauty rose was presented to each visitor.

Wholesale Flower Markets

PHILADELPHIA, May 29.		Per 100
Roses, Beauty, extra.....	20 00@25 00	
" " first.....	8 00@12 00	
" Brides and Maids.....	4 00@10 00	
" Killarney.....	4 00@15 00	
" White Killarney.....	4 00@15 00	
" Liberty.....	8 00@15 00	
Callas.....	8 00@10 00	
Cattleyas.....	35 00@50 00	
Gardenias..... per doz., 1 00@2 00		
Lilium Harrisii.....	8 00@10 00	
Lily of the Valley.....	3 00@ 5 00	
Marguerites.....	75@ 1 00	
Mignonette.....	3 00@ 4 00	
Peonies.....	6 00@12 00	
Snappdragons.....	8 00@12 00	
Sweet Peas.....	50@ 1 00	
Adiantum.....	1 00@ 1 50	
Asparagus..... per bunch, 50		
Smilax.....	15 00@20 00	

BOSTON, May 29.		Per 100
Roses, Beauty, best.....	20 00@25 00	
" " medium.....	12 00@20 00	
" " culls.....	2 00@ 4 00	
" Bride, Bridesmaid.....	2 00@ 6 00	
" " Extra.....	6 00@12 00	
" Killarney and Richmond.....	4 00@12 00	
" My Maryland.....	4 00@12 00	
" Carnot.....	6 00@12 00	
Carnations, select.....	1 00@ 3 00	
Callas.....	8 00@12 00	
Cattleyas.....	35 00@50 00	
Gardenias.....	12 00@20 00	
Lilium Longiflorum.....	8 00@12 00	
Lily of the Valley.....	2 00@ 4 00	
Mignonette.....	3 00@ 6 00	
Narcissus, yellow.....	1 00@ 3 00	
" white.....	1 00@ 3 00	
Sweet Peas.....	1 00@ 1 50	
Smilax.....	12 00@16 00	
Snappdragon.....	6 00@ 8 00	
Spirea.....	3 00@ 4 00	
Stocks.....	3 00@ 5 00	

CINCINNATI, May 29.		Per 100
Roses, Beauty..... per doz., 50@ 4 00		
" " Bride, Bridesmaid.....	2 00@ 8 00	
" Killarney.....	2 50@ 8 00	
" My Maryland.....	2 00@ 8 00	
" Perle.....	2 00@ 8 00	
" Richmond.....	2 00@ 8 00	
" Taft.....	2 00@ 8 00	
Carnations.....	2 00@ 3 00	
Lilium Giganteum.....	8 00@10 00	
Callas.....	8 00@10 00	
Glaadiol.....	8 00@10 00	
Lily of the Valley.....	3 00@ 4 00	
Peonies.....	3 00@ 4 00	
Sweet Peas.....	25@ 35	
Adiantum.....	25@ 1 00	
Asparagus Plumosus..... per bunch, 25		
Asparagus Sprengeri..... per bunch, 25		

St. Louis, May 29.		Per 100
Roses, Beauty, medium stems.....	25 00@30 00	
" " short stems.....	2 00@ 4 00	
" Bride, Bridesmaid.....	3 00@ 4 00	
" Killarney.....	3 00@ 6 00	
" My Maryland.....	3 00@ 6 00	
" White Killarney.....	2 00@ 6 00	
Carnations.....	2 00@ 3 00	
Callas.....	8 00@10 00	
Easter Lilies.....	10 00	
Peas.....	40@ 60	
Valley.....	3 00@ 4 00	
Violets, Single.....	35@ 50	
Asparagus Sprengeri.....	2 00@ 3 00	
Asparagus Plumosus, per bu., 35@ 60		

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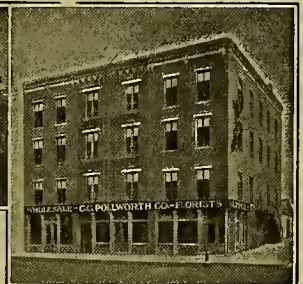
Wholesale Flower Markets

BUFFALO, May 29. Per 100

Roses, Beauty, special.....	25 00@30 00
" " fancy	20 00@25 00
" " extra	12 00@15 00
" " No. 1.....	8 00@10 00
" " No. 2.....	3 00@ 5 00
Bon Silene	2 50@ 3 00
Maid and Bride	3 00@ 6 00
Pink Killarney	3 00@ 8 00
White Killarney	3 00@ 8 00
Richmond	5 00@ 8 00
My Maryland	3 00@ 8 00
Kaiserine	4 00@ 8 00
Carnot	4 00@ 7 00
Carnations.....	2 00@ 3 00
Callaa	8 00@10 00
Daffodils	1 00@ 2 00
Daffodils, Single	1 00@ 2 00
Daisies, white and yellow	1 00@ 2 00
Lilium Longiflorum	8 00@10 50
Lily of the Valley	3 00@ 4 00
Mignonette	2 00@ 3 00
Myosotis.....	15c to 35c per bunch
Pansies.....	10 to 25c per bunch
Swainsona	1 00@ 1 50
Sweet Peas	50@ 1 00
Tulips, Yellow and White	1 00@ 2 00
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch,	35@ 50
Asparagus Sprengerl.	35@ 50
Smilax.....	15 00

PITTSBURG, May 29. Per 100.

Roses, Beauty, special.....	25 00
" " extra	12 00@25 00
" " No. 1.....	6 00@10 00
" " Bride, Bridesmaid.....	2 00@ 4 00
" " Chateau	2 00@ 4 00
" " Killarney	2 00@ 4 00
" " My Maryland	2 00@ 4 00
" " Richmond	2 00@ 4 00
Carnations	1 50@ 2 00
Cattleyas	50 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	4 00
Oncidium	3 00@ 4 00
Sweet Peas	50
Violets, single.....	25
" " double.....	30
Adiantum	1 00
Asparagus Sprengerl, per bunch,	35
sprays	35



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MILWAUKEE, May 29.

Roses, Beauty, per doz., 1 00@	4 00
" Killarney.....	4 00@10 00
" Richmond.....	4 00@10 00
" White Killarney	4 00@10 00
Carnations	4 00@ 6 00
Daffodils	2 00@ 3 00
Daisies.....	75@ 1 00
Lilium Giganteum.....	8 00@10 00
Lily of the Valley.....	3 00@ 4 00
Peonies	6 00@ 8 00
Poeticus.....	2 00
Snapdragons..... per bunch,	50@ 1 00
Spanish Iris.....	6 00
Sweet Peas	75@ 1 50
Tulips, Single.....	3 00
Asparagus..... per string,	50
Sprengerl, per bunch,	35
Ferns, Fancy..... per 1000,	3 00@ 4 00
Galax..... per 1000,	1 50
Smilax..... per doz.,	2 00@ 2 50

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New York.

A GREAT OVER ABUNDANCE.

Undoubtedly this has been the worst week of the season as far as the wholesale market is concerned. There is an oversupply of all seasonable flowers. Peonies which a week ago were of poor quality are now arriving in large quantities and the blooms are much improved, still they only bring half the prices of former seasons. Outdoor lilac is a glut everywhere. Preparations are being made for a very large Memorial day business, most of the wholesale houses having large orders to be shipped out of town. It is not expected that the prices will be as high as in other years. The orders are principally for carnations, which will be shipped at about three and four cents. Carnations during the week, probably for the first time during the season, were so plentiful and the demand was so light, they were thrown away by thousands, the very warm spell, coming on so suddenly caused so many to soon go to "sleep." The orchid market if possible is in a worse condition than previously, the supply keeps increasing and the call decreasing. It is only the *Cattleya Gigas* that is bringing a good figure, it seems strange to see so many cattleyas at present being sold by the street men. Good quality gardenias are not so plentiful but it is impossible to dispose of the smaller grades at any fair price. Lily of the valley is over plentiful and spoils quickly on account of the hot weather. Sweet peas are of exceptionally good quality but moving slowly. There is a better market for a few of the choicer grades of roses, such as Prince de Bulgarie, Mme. Chatenay, Mrs. Aaron Ward and My Maryland. Richmond and Killarney show the effects of the weather and many of the best of these blowing open so quickly, have to be disposed of to speculators with large lots of the shorter grades. There is absolutely no call for the top grades of Brides and Bridesmaids. Only a fair demand for the very best American Beauties. There is sufficient supply of the smaller varieties of Gladioli to meet all demands. Spanish and German Iris are moving slowly. Asparagus is selling well and the best quality smilax finds ready sale, but *Adiantum* is accumulating and hard to move. While there have been a great many orders placed with the retailers for the Commencements and exercises of the private schools during the week, flowers have been so plentiful that these orders, large as they have been, seem hardly to make any impression in the market.

Monday noon, May 27.—No change to any extent in quotations. Weather very warm and business very disappointing. Demand much lighter than it was expected for the Monday preceding Memorial day.

NOTES.

Wallace R. Pierson, who is chairman of the committee appointed by the New York Florists' Club to secure appropriation from the S. A. F. and private sources for a fund to conduct a "National Campaign on Publicity" for the florists' business, was in town Friday, attending a meeting of his committee, to properly organize and map out a plan of procedure. Mr. Pierson is enthusiastic in the matter and will push the matter to a successful termination.

Joseph S. Feurich has the sympathy of the craft in the losses he has sustained in his family. On Tuesday his brother George died at the age of 39 years, and on the same day Mrs. Mary Le Mout, his mother-in-law, died, aged 60 years. Mrs. Le Mout was the wife of the well-known florist, Adolph Le Mout, who for forty years conducted a retail store at 272 Bowery.

Robert Karlstrom, secretary of the W. A. Manda Inc., of South Orange, N. J., made public Thursday a cable received from Mr. Manda at the Interna-

IMPORTERS

HENRY M. ROBINSON & CO.

Wholesale Commission Florists and Florists' Supplies

46 West 26th Street, - NEW YORK

A large stock of Bay Trees, Boxwoods, Rhododendrons, Azaleas, Roses, Evergreens, Climbing Vines, etc., on sale at our new William Street Show and Salesroom. Inspection invited.

P. H. GOODSSELL W. E. MAYNARD

200 Broadway, NEW YORK CITY Manager Sales Department 157-159 William St. (Basement)

tional Exposition in London. "Won twenty-two prizes, seven silver cups, six silver gilt medals, five silver medals, one bronze medal. United States spread all over horticultural map."

Frank H. Traendly, chairman of the Transportation Committee, reports that even at this early date, great interest is being manifested in the trip to the Chicago convention. Already enough have signified their intention of going to insure the engaging of a special train.

A cable report to the New York Herald from London, reports that John Evans, a Director of the Society of American Florists, has met with a painful accident, having his leg broken while alighting from a carriage at the Royal Horticultural Show.

An old friend, A. F. Faulkner, of Washington, is with us this week, and combining business with pleasure, is disposing of large shipments of very fine peonies which are sent to him from Washington. Mr. Faulkner returned home on Monday.

Gunther Bros. are fortunate in having a fine supply of carnations and peonies for Memorial day. In the peonies they are receiving thousands of Festiva Maxima of the very best quality and as usual this variety is most called for.

The stork has been busy lately. On Sunday he visited the home of Mr. and Mrs. Peter McKenney and left a boy, eleven pounds. On Thursday, to Mr. and Mrs. Maurice L. Glass, a girl, nine pounds.

Bowling scores at the alleys, Friday night, May 24:

Kakuda	173	155	144	164
Profin	183	178	183	163
Nugent	143	123	116	122
Chadwick	246	196	178	182

Y.

Philadelphia.

A NORMAL SUPPLY.

Good weather has brought along the outside stock very fast the past week, but in spite of this favorable influence, the peony crop on which so much depends for Memorial day will be a day or two late. This popular flower lends itself graciously to cold storage treatment but no way has yet been found to hurry it along. Business the past week has been fair, the bedding plant men being especially busy, thousands of geraniums have been sent out, everything with a flower selling at sight. Rambler roses for spring planting are now in flower and are very attractive. W. K. Harris having a fine lot of well budded plants. H. A. Dreer says they never had such a sale of potted roses as have gone out this season. The cut flower supply is normal, plenty of roses and a fair offering of carnations. Miniature gladioli have had quite a run and are about over. Sweet peas are plentiful and fine. Peonies appear late and are bringing a good price. Albert Jones, of the Pennock Meehan Co., says they are from one to two days late. The warm weather of Mon-

EXPORTERS

day will help, but the outlook is that the supply will be short and many orders are going out only partly filled. \$6.00 is low and only for fair stock, better grades bringing \$8 to \$12 per hundred. The volume of business for the holiday is ahead of last season.

NOTES.

The large Franklin greenhouse at Yardley is well under way, the glazers now putting in the glass. James Jamison, a brother of Robert Jamison, the rose grower of the Joseph Heacock Co., formerly with the Knorr Brothers, will have charge of the plant, which is not to finish with one house. There is 140 acres of land in the place and it is the intention to expand year by year, as the business warrants.

The Joseph Heacock Co.'s house is entirely completed and planting will be finished about June 10, 22,000 plants will be set out, half pink Killarney, one quarter White Killarney and Double White Killarney, and the balance of the space will be filled with Radiance, Mrs. Aaron Ward and Lady Hillingdon.

A Publicity Campaign for Flowers.

A committee of the New York Florists' Club has addressed the following letter to the different florist clubs of the country:

The members of the New York Florists' Club believing that proper publicity in teaching the public to know flowers, and the proper uses of them, and that by calling attention through proper publicity channels to the various special flower days throughout the year, the flower business as a whole would be greatly benefited by such a movement; and the club having a unanimous vote instructed our committee to ask co-operation from the other florist clubs of this country and Canada, in the belief that such a publicity campaign should be managed and conducted by a committee of the Society of American Florists, we, as the committee of the New York Florists' Club, ask your support and co-operation in this, and that your club also appoint a committee to work in conjunction with our committee at the Chicago convention, in an effort to secure the authorization and organization of such a general publicity committee.

Yours very truly,

WALLACE R. PIERSON, Chairman.
W. E. MARSHALL,
HARRY A. BUNYARD,
N. C. EREL,
J. H. PEPPER.

HAMMONTON, N. J.—Harold A. Rolfe has bought the large greenhouses of William Colwell.

LA GRANDE, ORE.—The Grand Ronde Florist Co. will erect 20,000 square feet of glass for the cultivation of roses and carnations. The company is comprised of H. L. Clark, president; J. H. Buxton, vice-president; James R. Kooker, secretary and L. A. Kooker, treasurer.

PHILADELPHIA NEW YORK WASHINGTON
S. S. Pennock-Meehan Co.
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 109 West 28th Street, NEW YORK
 Everything in Cut Flowers.
 PERCY B. RIGBY, Treasurer. Everything in Supplies

Traendly & Schenck,
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 131 & 133 WEST 28th ST
 NEW YORK
 Phones: 798 and 799.

Charles Millang
 WHOLESALE FLORIST
 55 and 57 West 26th St., NEW YORK
 Telephones: 7062-7063 Madison.

Badgley, Riedel & Meyer, Inc.
 WHOLESALE FLORISTS
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 PHONES 1864 } Madison Sq.
 1865 } Consignments Solicited

N. Y. Cut Flower Exchange
 Coogan Bldg., 6th Ave. & W. 26th St., New York
 Open for Cut Flower Sales at 6 o'clock Every Morning.
 Desirable wall space to rent for advertising.
V. S. DORVAL, Secretary.
 Mention the American Florist when writing

GROWERS' CUT FLOWER CO.
 Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited,
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A. L. YOUNG & CO.
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 The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 1002 1000 or 10,000. Consignments Solicited.
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 49 West 28th Street New York City

N. Lecakes & Co., Inc.
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 Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pinea and Laurel Roping.
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OFFICIAL S. A. F. Shipping Labels
 FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.
AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Paul Meconi
 Wholesale Florist
 55-57 West 26th Street
 NEW YORK CITY
 Telephone: 3864 Madison Square
 Mention the American Florist when writing

Wholesale Flower Markets

	NEW YORK, May 29,	Per 100
Roses, Beauty, special.....	15	30@20 00
" " extra and fancy.....	8	00@15 00
" " No. 1 and No. 2.....	2	00@ 6 00
" " Bride, Bridesmaid, special.	1	00@ 4 00
" " extra and fancy.....	2	00@ 3 00
" " No. 1 and No. 2.....	50	@ 1 00
" " Killarney, My Maryland..	4	00@ 6 00
" " extra and fancy.....	2	00@ 3 00
" " No. 1 and No. 2.....	1	00@ 1 50
" " Richmond.....	1	00@ 6 00
Carnations.....	1	00@ 3 00
Cattleyas.....	10	00@25 00
Gardenias.....	2	00@15 00
Lilias, Longiflorum and Harrisi..	2	00@ 6 00
Lily of the Valley.....	2	00@ 3 00
Sweet Peas.. per doz, bunches, 25@	75	
Adiantum Crowesnum.....	50	@ 1 00

Moore, Hentz & Nash,
 WHOLESALE COMMISSION FLORISTS
 55 and 57 West 26th Street,
 Telephone No. 756
 Madison Square, NEW YORK
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WM. A. KESSLER
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 113 W. 28th St NEW YORK.
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 WHOLESALE PLANTSMEN AND FLORISTS
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 Prompt and satisfactory. Consignments solicited
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 American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.
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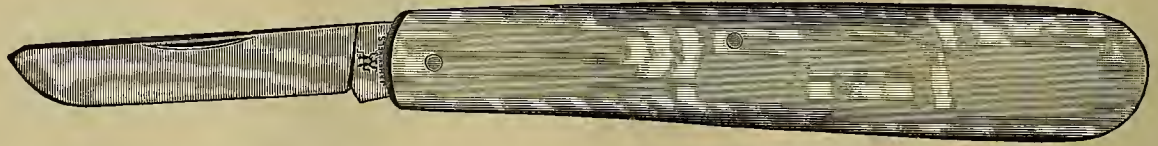
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This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employes. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employes) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

Plaintain Lilies.

Shady beds and borders are generally rather difficult to render attractive in the summer time, for though spring-flowering plants will do as well in such positions as anywhere, that is, *doronicums*, *dielytra*, *myosotis*, *Solomon's seal*, *scillas*, the *primrose* family, etc., the number of summer-flowering plants that will thrive where they get little or no sun is decidedly limited. *Funkias* form one of the few groups that prefer much shade, doing well even where in June they only get the sun in the early morning or evening, their foliage sometimes developing to a great size under such conditions, if there is sufficient moisture, whereas, if grown in full sun their flowering spikes are often dried up during the first two or three hot days in June. Their main requirement, says a writer in the *Gardners' Magazine*, is a deep, well-cultivated soil, inclined to dampness, and though some of the larger-leaved sorts are suitable for growing in groups by the waterside, most of them will not do well where there is stagnant moisture. They develop their handsome foliage early in the spring, and keep green till the autumn, throwing up their spikes of bell-shaped flowers, usually of a lilac tint, from June onwards. They are fine plants for the partially-shaded flower border, or for open spaces among shrubs if not too dry, and are excellent for edgings to large beds and borders.

As to varieties, there is one kind, however, which needs different conditions from most of the others, and that is *F. subcordata grandiflora*, sometimes known as the *Corfu lily*. While *funkias* generally are grown principally for their foliage, this is valued for its flowers, which come later in the summer than the others, generally not before August, and, instead of being a shade-loving plant, it needs a sunny spot in a well drained soil if it is to do well in this country. It throws up its spikes of large white sweet-scented flowers in August and September, when most of the other kinds have finished. It is better grown in groups than as an edging. Its young foliage is liable to be preyed upon by slugs and snails, which need to be guarded against, as a leaf which is mutilated at this season is spoiled for the summer, and the plant disfigured.



FANCY FERNS, \$2.25 per 1000.

New Crop Galax, Bronze or Green..... \$1.25 per 1000
 Sphagnum Moss, large bales..... \$2.50
 Lencothoe Sprays, Green..... \$1.00 per 100; \$7.50 per 1000
 Boxwood..... Per pound 20c; 50-pound case, \$7.50
 Magnolia Leaves, Imported Green and Bronze, Basket, \$2.25; 6 baskets \$2 each
 Sheet Moss in Bags for Hanging Baskets, Large Bags..... \$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

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All phone connections.

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Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,
 713-717 Milwaukee Ave., CHICAGO

The best kind of *funkia* to be grown chiefly for its foliage is *F. Sieboldiana* major, which has large glaucous leaves, sometimes a foot across, while its pale lilac racemes of flowers rise to a height of three feet. It is best grown in large, bold groups, and if well placed, so that other plants show up its bluish-green leaves, very fine effects may be produced with it. There is a variety of it with yellow-margined foliage, but many consider it no improvement. For the formation of a border to a large bed of sub-tropical plants these two varieties stand apart from the others. *F. ovata* has large deep green leaves of a glaucous hue, and there are varieties of it with leaves margined white and variegated gold. *F. undulata* has the leaves waved at the edges, and this, too, has a variegated kind, silver and green.

GLEN COVE, N. Y.—The Nassau County Horticultural Society will hold its annual rose show June 11 at the home of the Nassau Country Club.

CLARKSVILLE, TENN.—P. R. Palethorpe Co., formerly of Owensboro, Ky., have moved to this place and incorporated under the laws of Tennessee. The business will be conducted under the name of P. R. Palethorpe Co., Inc.

George Cotsonas & Co.

Wholesale and Retail Dealers

In all kinds of Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Lencothoe Sprays, Princess Pine, Etc.,

Delivered to all parts of United States and Canada
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 Telephone 1202 Madison Square.

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet MOSSES

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IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax. New crop Fancy and Dagger Ferns will be ready May 5th to 10th, we are booking orders now. Write, wire or phone,

Caldwell the Woodsman Co.

Everything in Southern Evergreen.

EVERGREEN, ALA.

Live Spagnum Moss

Finest quality for mixing with peat or for top dressing.

THE C. W. BROWNELL CO.

WALDEN, N. Y.

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Established in 1857.

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L. D. Phone Graceland 1112.

Send on your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
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The
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Greenhouses: Short Hills, N. J.
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200,000 Square Feet of Glass.

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Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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25 E. MADISON ST.

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146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

June 2.

FROM MONTREAL, Lake Erie, Allan.

June 4.

Carpathia, Cunard, Piers 54 and 56, North River.
Potsdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wilhelm der Grosse, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Arabic, White Star, 12 noon, Charlestown Dock.

June 5.

Campania, Cunard, Piers 54 and 56, North River.
FROM BALTIMORE, Neckar, No. Ger. Lloyd, 9 p. m., Pier 9, Locust Point.
FROM MONTREAL, Pretorian, Allan.

June 6.

Baltic, White Star, 12 noon, Piers 59 and 60, North River.
Victoria Luise, Ham.-Amer., 9 a. m., Hoboken Pier.
La Provence, French, 10 a. m., Pier 57, North River.
Bremen, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM MONTREAL, Lake Champlain, Can. Pac., daybreak.

June 7.

FROM PHILADELPHIA, Manitou, Red Star, Pier 55.
FROM MONTREAL, Virginian, Allan.

June 8.

Oceanic, White Star, 12 noon, Piers 59 and 60, North River.
Vaderland, Red Star, 10 a. m., Pier 61, North River.
Philadelphia, Amer., 9:30 a. m., Pier 62, North River.
Columbia, Anchor, 1 p. m., Pier 64, North River.
President Lincoln, Ham.-Amer., 11 a. m., Hoboken Pier.
Chicago, French, 3 p. m., Pier 57, North River.
Koenigin Luise, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Canopic, White Star, 4 p. m., Charlestown Dock.
FROM PHILADELPHIA, Haverford, Amer., 10 a. m., Pier 54.
FROM MONTREAL, Hesperian, Allan.
FROM MONTREAL, Megantic, White Star-Dom., daylight.

Alexander McConnell,
611 Fifth Ave., cor. 49th Street.
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

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Telephone 2065-2066 Madison Square.

42 West 28th Street.

To our town florists
We are in the Heart of **NEW YORK**
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

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**The Texas Seed and
Floral Company**

Orders for cut flowers and designs solicited for delivery in any part of Texas.

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St. Paul, Minn.

L. L. MAY & CO.

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LEADING FLORISTS OF THE NORTHWEST

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**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gifts
that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.**

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members of Florists' Telegraph Delivery. *Mention the American Florist when writing.*



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WASHINGTON
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All Orders Given Prompt and Careful Attention
Member of the Florists' Telegraph Delivery.

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Both Phones, 527.

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Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Bser, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckhee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L. Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heint & Son, J. G., Terre Haute, Ind.
Hesa & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Joy Floral Co., Nashville, Tenn.
Keller Sons, J. R., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kitt, Robert, 1725 Chestnut, Philadelphia.
La Crose Floral Co., La Crose, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKeona, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Pasta & Baldocchi, San Francisco.
Pulworth Co., O. C., Milwaukee.
Reimera, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo. Co., 737 Buckingham Pl., Chicago.
Witthold, 58 E. Randolph St., Chicago.
Wolfkll Bros. and Morrie Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.

New York.

Established 1874.

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and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, **DARDSFLOR.**

Member Florists' Telegraph Delivery.

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Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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WILLIAM L. ROCK Flower Co.

Will execute orders for any town in

Missouri, Kansas or Oklahoma
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W. J. Palmer & Son, 304 Main Street.

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John G. Heint & Son, 129 South Seventh St.

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We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

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Members Florists' Telegraph Delivery.
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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

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Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M. A. Bowe

IN THE HEART OF NEW YORK CITY.
Phone 6404 Madison Sq. 6 East 33d St.
Our Motto—THE GOLDEN RULE.

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Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

Pittsburg, Pa.

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KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



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McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand

Atlanta, Ga.

Atlanta Floral Co.

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Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

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Filling Telegraph Orders.

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Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Maaur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
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Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
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Chicago—Mangel, 17 E. Monroe St.
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Chicago—Schiller The Florist, 2221 W. Madison.
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Chicago—Wittbold's, 56 E. Randolph St.
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Cleveland, O.—The J. M. Gasser Co.
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Denver, Colo.—The Park Floral Co.
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New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnam St.
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Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus
Choice Cut Flowers.

SAN FRANCISCO**Podesta & Baldocchi**

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

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FLORIST,

Prompt and careful attention to orders from out
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215 West Fourth Street.

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**The Cleveland Cut
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Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

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Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

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EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

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C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

GREAT BRITAIN**WILLS & SEGAR,**

Royal Exotic Nursery,

Onslow Crescent. S. Kensington, London

FLORISTS TO HIS MAJESTY THE KING.

We shall be glad to carry out commissions from our American confreres to deliver Cut Flowers, Floral Baskets, Floral Designs, Baskets of Choice Fruit, Etc., to American visitors in any part of Great Britain.

Cablegrams -- "FLOSCULO, LONDON."

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822
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**J. B. KELLER SONS,
FLORISTS**

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VESTALSPAUL M. PALEZ, Mgr.
409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

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L. W. McCOY, Florist
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Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

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No. 22 West 59th Street
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Schenectady, N. Y. Amsterdam, N. Y.



Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

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FLORISTS,**1415 Farnum St. TELEPHONES
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LA CROSSE FLORAL CO.BOTH PHONES No. 40
LONG DISTANCE No. 40
Careful Attention To All Orders.

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Rented or SoldPhones:—Randolph 4708. Nursery, Rogers
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H. W. Buckbee

Colorado Springs, Colo.

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Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Louisville, Ky.

**F. Walker & Co.,
FLORISTS.**

Phones: Home 1388. Cumb, Main 1388 A.

.....634 Fourth Avenue.

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CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

Mention the American Florist when writing

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Ball, Lindell 2153; Kinloch, Delmar 768
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St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Salford Flower Shop"
Vassar College and Bennett School.

Mention the American Florist when writing

Nashville, Tenn.

Geny Bros. LEADING
FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

All Our Importations Have Been Received
in First-Class Condition.

BAY TREES

Prices include tubs.

Standard or Tree Shaped.

Stems	Crowns	Each	Pair
36 in.	24 in.	\$ 7 00	\$18 00
45 in.	20 in.	7 50	14 00
45 in.	28 in.	8 00	15 00
45 in.	30 in.	10 00	18 00
48 in.	40 in.	15 00	28 00

Dwarf Standards

Stems	Crowns	Each	Pair
30 in.	24 in.	\$ 7 00	\$13 00
18 in.	24 in.	7 00	13 00
12 in.	30 in.	7 50	14 00

Pyramid Shaped.

Diameter at Base	Each	Pair
5 ft. high, 24 in.	\$ 8 00	\$15 00
6 ft. high, 26 in.	10 00	18 00

Ampelopsis Veitchii.

(Japan or Boston Ivy.)

	Each	Doz.	100
2-year-old plants...	\$0 15	\$1 75	\$12 00
3-year-old plants...	20	2 00	15 00

BOX TREES

Prices include green tubs.
10 per cent discount if wanted out of tubs.

Standard or Tree Shaped.

	Each	Pair
18-26 in. stem, 18 in. crown.	\$3 00	\$5 50
18-26 in. stem, 24 in. crown.	4 50	8 00

Pyramid Shaped.

	Each	Pair
2½ ft. high.....	\$2 00	\$ 3 75
3 ft. high.....	2 50	4 50
3½ ft. high.....	3 00	5 50
4 ft. high.....	4 00	7 50
5½ ft. high.....	7 50	14 00

Bush Shaped.

Prices do not include tubs.

	Each	Doz.	100
12 in.....	\$0 35	\$ 3 50	\$25 00
18 in.....	60	6 50	
20 in.....	75	8 00	

Dormant Roses.

Strong 2-yr., Field-Grown Plants.

	Each	Doz.	100
Baby Rambler Phyllis.....	\$0 20	\$2 50	\$15 00
Jessie.....	35	3 00	22 50
Crimson Rambler.....	20	2 00	14 00
Caroline Testout, H.T.....	20	2 00	14 00
Frau Karl Druschki, H.P.....	20	2 00	14 00
Kais. Aug. Victoria, H.T.....	25	2 50	16 00



Standard Bay Tree



Pyramidal Box Tree.

Vaughan's Seed Store, 31 W. Randolph St., CHICAGO.
25 Barclay St., NEW YORK.

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill

CHRYSANTHEMUMS

FROM SAND FOR IMMEDIATE DELIVERY

PINK.		CRIMSON.		WHITE.	
R. C.	per 100	R. C.	per 100	R. C.	per 100
Gloria	\$2 50	1000	\$2 50	1000	
Amorita	2 50	20 00	Packett's Crimson	\$2 50	20 00
Dr. Enguehard	2 50	20 00	Schrimpton	2 50	20 00
Pacific Supreme	2 00	15 00	Intensity	2 00	15 00
Balfour	2 00	15 00			
			YELLOW.		
			Crocus, the best yellow.	\$4 00	\$35 00
			Halliday	2 00	15 00
			Maj. Bonaffan	2 00	15 00
					Lynwood Hall
					Alice Byron
					Tauset
					October Frost

The above varieties of 'Mums FROM SOIL, \$4.00 per 1000 additional.

J. D. THOMPSON CARNATION CO., Carnation Specialists, Joliet, Ill.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Patevine, 2-in., \$2.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$4.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Coleus, Althemantheras, red and yellow, Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

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

Mention the American Florist when writing

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$5.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

19,000

Rose Plants. Bride, Pink Killarney and Richmond.

MAKE US AN OFFER

on the whole lot or part, and if it sounds good, they are yours. They are all fine, healthy bench plants, but must be sold at once to make room for our new rose, Wilhelmina. A Bargain for Some One. Grab It Now.

HOERBER BROS, Des Plaines, Ill.

PALMS, FERNS

AND

Decorative Plants

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

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ROSES

A SPECIALTY.

The Dingee & Conard Co., WEST GROVE, PA.

Mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Durvea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

BURLAP used for baling sphagnum is fifty per cent higher than last year.

WE regret to learn of the death of Oscar Younkerman, president of the Younkerman Seed Co., Council Bluffs, Ia., May 23.

ONION SET fields at Chicago are showing a pretty good stand, though very late. The seed has germinated pretty well.

CHICAGO.—Prices on the Board of Trade, May 28, for grass seed were noted as follows: Timothy, \$9 to \$14 per 100 pounds.

SYRACUSE, N. Y.—Charles H. Vick has been appointed superintendent and manager of the state fair to be held here in September.

G. C. ELDERING, of W. J. Eldering & Son, Overveen, Haarlem, Holland, sailed from New York for home on the SS. Rotterdam, May 28.

It is thought there are sufficient seed beans of some kinds now carried by the seed trade to furnish more than half a supply for next year.

CABBAGE, celery and beet seeds will be short crop again. In Europe Paris Golden Self Blanching celery seed will, it is said, be even more scarce than last year.

REPLANTING of corn has begun, many farmers not realizing how faulty their seed was. The season in the central west is fully two weeks late. Drought prevails along the Missouri.

REPORTS on the Dutch bulb crop, from the Haarlem district, continue favorable. Rain has fallen there recently and present indications are that the crop should be a good one.

JOHN DE WIT, of Ernst & von Spreckelsen, Hamburg, Germany, recently arrived from Europe and is calling on the trade, with headquarters in care of American Express Co., Kansas City, Mo.

KENTUCKY BLUE GRASS seed of new crop seems to be on the toboggan. Kentucky dealers seem to be quite willing to sell against what must appear now like a bumper crop. The latest figures, May 27, are \$1.65 to \$1.85 per bushel, according to grade. Holders of old crop are willing to let go gracefully.

WITH a view of assisting the farmers of the flooded district along the Mississippi river, the Department of Agriculture suggests the following crops may be planted: Cotton, of early maturing varieties, up to June 15, cowpeas, peanuts, soy beans, sorghum, watermelons, sweet potatoes, cabbage, onions and beans.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,
Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

French Bulbs.

TOULON, FRANCE, May 16.—There has been a very important change in the Roman hyacinth outlook. For some days we have had excessive heat and many growers in the bulb region have seen the foliage of the hyacinths shrivel and on investigation found many bulbs diseased. In consequence of this the harvest will be reduced. Notwithstanding this condition the price remains the same as last year because the cultivation of hyacinths has extended to the northward of the former growing district and further because the orders up to this time from foreign countries do not total as large as in preceding years.

American Seed Trade Association.

The thirtieth annual convention will be held at the Hotel Sherman, Chicago, June 25-27, 1912.

A radical departure will be made in the conduct of the meeting, every session being executive, none but members and their representatives being admitted to the meetings. It is felt that at only such meetings can a full and free discussion be had on the many vital subjects that are of interest to the seed trade. Attention is invited to the Question Box, which was revived at the last convention with much profit. Latest crop reports will be presented again this year as they were last—an invaluable feature to be had in no other way as complete and accurate.

The Hotel Sherman has been in use less than a year so that members are assured of every convenience and comfort. The rates are for rooms only, ranging from \$2.00 per day to \$5.00 per day for single rooms and \$3.00 to \$6.00 per day for double rooms. Every room has a private bath.

PROGRAMME.

Tuesday, June 25, 10 a. m.

- Seed Corn Breeding.....
-L. S. Gould, Waterloo, Neb.
- Costs and Cost Systems in the Seed Business
- Lester L. Morse, San Francisco, Cal.
- Discussion on Same.....
- Led by Kirby B. White, Detroit, Mich.
- Opportunities for a Young Man in the Seed Business.....
-Arthur B. Clark, Milford, Conn.
- Recent Decisions on the Seed Trade Disclaimer.....Curtis Nye Smith (Counsel of the Association, Boston, Mass.)

Crop Reports—Latest wire reports of crop conditions from the leading growers.

Question Box—Opportunity to have some problems solved.

SOCIAL FEATURES.

Invitation to visit Vaughan's Nurseries and Greenhouses at Western Springs.

Shopping expeditions, theatre parties, boat rides, ball games, etc., each afternoon.

Banquet Wednesday evening, Hotel Sherman. C. E. KENDEL, Sec'y.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Leather Versus Wooden Shoes.

We understand Uncle Sam is preparing for the free distribution of seed for 1912-1913—a very expensive proposition. About 1,200,000 pounds of vegetable and 50,000 pounds of flower seed, all of standard quality and varieties. Why not go a step further and send out free hogs, horses, sheep and cattle for breeding purposes? We wonder what per cent goes to waste? Do the deserving get the benefit? Why not help the Dutchman, too, and distribute free Dutch bulbs to beautify the lawns of those who know how to get the benefit? This might assist the Hollanders some, as the freight rebates and advance charges are not quite sufficient to pay all expenses during their travels in this glorious free country, although of course what benefit there is at present is all theirs. Talk about protection—it's protection all right, but is it in favor of the Americans or the foreigners? We try to sell bulbs and pay American wages—the Hollanders sell bulbs based on foreign wages. Suppose the Dutchman sold cut flowers, basing their profits on foreign labor—how would you like it? And they'd do it, too, if they could. Would it be fair competition?

What happens to your private trade when the Dutchman "gets on to it"? Why can he compete? Simply because he is permitted to come here and sell his home-grown products, ground out by the sweat of the brows of men, women and children in his country, where the value of an American dollar is worth considerably more than it is here. And we Americans paying taxes, both business and personal, on top of the bargain. And every buyer who buys direct from this class is a party to the transaction—and should be ashamed of himself. There are plenty of good American houses besides ourselves who can take just as good care of your orders. No American firm minds fair competition, but the Holland invasion is un-American, competition no firm cares to compete with. It's about time some concerted action was taken for genuine protection. Or would it be better to wear wooden shoes at 75 cents per? Answer it.—Ward's Horseshoe Bulbology.

THE seedsmen of America were represented on the jurors' list of the International Horticultural Exhibition, held at London last week, by Lester L. Morse, San Francisco, Calif., and J. Farquhar, Boston, Mass.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

VICK QUALITY SEEDS PLANTS BULBS

ASK FOR WHOLESALE CATALOGUE.

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

W. J. Eldering & Son

WHOLESALE BULB GROWERS

Overveen, Haarlem, Holland

Headquarters for High Grade Hyacinths, Tulips, Narcissi

Quality With Fair Prices

We ship first quality Holland Bulbs to the American Trade. This is the sole basis of the continuous and ever increasing patronage of the most critical, high-class American buyers, covering many years.

Our Mr. G. C. Eldering is now at the Hotel Saville, Madison Avenue and 29th Street, New York, prepared to book orders for the best stocks at most reasonable figures, to the trade only.

SURPLUS OFFER

Kentucky Blue Grass Seed.

SAMPLE	WEIGHT	PRICE
No. 19	19 Pound Test.....	\$3.35 per bu.
D	19 " " " " " " " "	3.10 " "
E	15 " " " " " " " "	3.00 " "
F	12 " " " " " " " "	2.65 " "

Freight paid to all points East of the Mississippi, shipped in original sacks, 112 pounds each.

FANCY RECLEANED ALFALFA SEED

14c POUND. F. O. B. BALTIMORE.

We are Large Wholesale Dealers in Grasses, Clovers, Field Seeds, Etc. Samples and Special Prices cheerfully given on your requirements.

J. Bolgiano & Son

Wholesale Seed Merchants
Almost 100 Years' Established Trade
MAIN OFFICE: Pratt & Light Streets.
PIER: Montgomery St. & The Harbor.
BALTIMORE. MD.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

THE G. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Lily of the Valley from Cold Storage
Order Now for Decoration Day and June Weddings

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

Mention the American Florist when writing

A Representative IN EUROPE.

Our Mr. Carl Cropp will visit Continental Growers in July and August in our Seed, Bulb and Plant interests. Customers who already have or expect to place import business with us under special instructions are invited to correspond with us now.

Vaughan's Seed Store,
CHICAGO.



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Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

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S. M. Isbell & Co.,

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CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

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Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

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Send Advertisements Early
For Best Results.

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SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

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GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Blumzdale Farm. **Bristol, Pa.**

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ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

ROEMER'S PANSIES

The finest strain of Pansies in the World. Introducing and Grower of all the leading Novelties. Highest Award International Exhibition, Dusseldorf, 1905. Catalogue free on application.

FRED. ROEMER, Seed Grower, Quedlinberg, Germany

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radiah, etc. Correspondence solicited.

To Destroy Moss on Lawns.

ED. AMERICAN FLORIST:—

The moss is killing out all the grass in our lawn, leaving nothing but the clover. Our soil is a sandy black loam. We have used large quantities of lime but without success. What would you advise to destroy the moss? A. H. Washington.

Very many would give a good deal to have moss present in the lawns; it gives the sense of age and is always pleasant to walk on. Its presence is due to one or both of two causes—shade of trees or lack of proper drainage, most likely the latter. This is easily remedied by putting in under drains. Reseeding with a mixture containing 10 pounds crested dogstail, five pounds red fescue and five pounds creeping bent, and the liberal application of wood ashes would help to eliminate the moss even under trees. E. O. O.

Scale on Azaleas.

ED. AMERICAN FLORIST:—Will you kindly inform me of a remedy for scale on azaleas. S. H.

The azalea is a plant that is seldom troubled with scale or any other insect, and there are many different kinds of scale which infest plants. The brown scale can be killed by repeated washings of sulpho-naphthol soap, or kerosene emulsion. W.

CATSKILL, N. Y.—The help in the greenhouses of Henry Hansen went on a strike for higher wages May 6.



GLADIOLUS GLORY.

Gladiolus

Per 1000
KUNDERDI "GLORY"...Per 100, \$7 50 \$70 00
AMERICA, 1 1/4 to 1 1/2 inch..... 27 50
Mrs. Francis King, 1 1/4 to 1 1/2 inch..... 17 00
Augusta, 1 1/4 to 1 1/2 inch..... 16 00
Princes, The King of All Gladioli,
.....Per 100, \$10 00
Extra Fine Mixture, part named..... 18 00

TUBEROSES, Dwarf Pearl
Medium, 3 4-in.....\$5.00 per 1000

COLD STORAGE STOCK.

Lilium Auratum

8 to 9.....\$50 00 per 1000

Lilium Giganteum

7 to 9 in., 800 to case.....per 1000, \$65.00

Valley Pips

Per 1000
London Market.....\$15 00
Premium Brand..... 13 00

Vaughan's Seed Store,

CHICAGO. NEW YORK.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn
Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

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Japanese Lilies

Spec. Album, 9 in.-11 in.....per 100...\$13.00
Rubrum, 9 in.-11 in..... per 100.. 9.00
" Melpomene, 9 in-11 in..... per 100.. 9.50
Tuberoses, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants and Growers.

114 Chambers Street, NEW YORK, N. Y.
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Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

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FELIX & DYKHUIS, BOSKOOP, HOLLAND.

Address care of Maltus & Ware, 14 Stone St., New York.

Our large, beautifully illustrated catalogue will be mailed to you free of charge. It is a **Handbook and Guide to Florists** and contains useful information about forcing of all kinds of Forcing Shrubs, Lilacs, Rhododendrons, etc., etc.

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Either stiff or flexible covers. Address orders.

American Florist Co., Chicago.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

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Mention the American Florist when writing

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

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Asparagus Plumosus Plants

2 1/2-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA

Established 1911.

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PLANT AND SEED GROWERS

Geraniums ORIGINAL NOVELTIES Carnations

Nursery: Alviso Road. Mountain View, California, U. S. A.

R. & M. GODINEAU, SEED GROWERS,

Angers - France.

Specialties: Beets, Cabbages, Celeries, Parsleys, Purslanes, Turnips.

Important Personal Cultures.



Fall Forcing Bulbs



**Roman
Hyacinths,
Narcissus P.W.
Grandiflora,
Lilium Harrisii,
Japanese Lilies,**

**Forcing Valley, Callas, Freesias and
picked bulbs of all Dutch Hyacinths, Tulips and Spirea.**



**We Can Save You Money On
This Stock.**

Import Price List Ready

VAUGHAN'S SEED STORE,

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BEDDING STOCK

and Plants for Decoration Day

Our stock of Bedding Plants is second to none in Central Illinois. Write us your wants. Ask for our circulars of Soft Wooded Stock, Ferns, Roses, Cannas, Chrysanthemums, and Blooming Stock for Spring and Decoration Day.

Hydrangeas, in bloom, 4-in., \$12.50 per 100; 6-in., 75c; 7-in., \$1.00.

Gloxinias and Tuberous-rooted Begonias, in bloom, 5-in., 25c.

Our terms are Cash; our guarantee is to give you satisfaction. Write or wire us.

GEO. A. KUHL, PEKIN, ILL.

Wholesale Grower to the Trade.

Cut Flowers and Designs shipped to any part of the Country.

ROSE PLANTS

	100	1000
American Beauty.....	\$5.00	\$45.00
Pink Killarney, bench, 1 year old.....	3.50	30.00
Asparagus Plumosus clumps, 1 yr. old.....	3.00	25.00

Geo. Reinberg.

162 N. Wabash Avenue, Chicago, Ill.

ROSES

See Price-list Ad. page 972, May 11th.

THE LEEDLE FLORAL COMPANY,
SPRINGFIELD-OHIO.

Smilax

Strong 2 1/4-in. Pots, \$15 00 per 1000.

W. W. Coles, Kokomo, Ind.

Hydrangeas in Flower

For Immediate Use

Fine plants in bud and bloom, with two to six flowers each, in 6-inch and 7-inch pots. 50c, 75c, \$1.00, and \$1.50 each—according to size and number of blooms.

Large specimens in full flower in new cedar tubs, 14-inch, painted green, with iron handles, \$4.00 each.

Large Hydrangeas for Later Blooming

We have a large stock of plants in tubs and barrels for July and August blooming. These plants have just started into growth, and will be in fine shape for later blooming. Plants in new cedar tubs 14-inch diameter, \$3.00 and \$4.00 each; in common butter tubs, \$1.00 less. Extra large specimens in half barrels, \$5.00 each.

Large Specimen Ferns

We have a magnificent stock of exceptionally fine Nephrolepis in the following varieties, viz: **Elegantissima**, 12-inch pots, extra fine specimens, \$4.00 to \$5.00 each.

Harrisii, extra choice form of Bostoniensis, extra fine specimens, 12-in. pots, \$7.50 to \$10.00 each.

Bostoniensis, 10-in. pots, extra fine specimens, \$2.50 to \$3.00 each.

Giتراسي, 10-in. pots, extra fine specimens, \$3.00 each.

Scottii, 10-in. pots, extra fine specimens, \$2.50 each.

Variegated Vincas Extra fine plants in 4-inch pots for vases and boxes, \$10.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Mention the American Florist when writing

CANNAS

King Humbert, a foot high; fine plants out of 3-in.	Each	Doz.
Mont Blanc, Improved, 4-in.	7c	\$2.50
Wm. Sanders, 4-in., extra large	25c	2.50

20 Other Varieties in 3-in. pots. Send for list.

**The Cedar Hill Gardens,
Sea Cliff, L. I., N. Y.**

Long Distance Phone. Cash with order, please.

HYDRANGEA OTAKSA

(Pink) In Bloom

6-inch pots, 1 head.....	per doz.	\$3.00
6-inch pots, 2 heads.....		4.00
6-inch pots, 3 heads.....		6.00

Coleus Plants, 2 1/2-inch, \$3.00 per hundred, assorted varieties.

J. William Colflesh's Sons,

53rd and Woodland Ave., PHILADELPHIA, PA.

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.

Combining Small Lots for Market.

There are forwarding agents whose business it is to collect small consignments at various points in the Mississippi Valley and to ship them to market. The forwarding agent gathers enough produce to make a full carload at a given station, consigns it to himself at the destination, and delivers the contents to various consignees. By this system a small shipment by a producer is carried as promptly as a full carload. The territory served by these forwarders includes stations in Louisiana, Mississippi, Tennessee, Illinois, Michigan, and a few points in Indiana. The forwarder, being responsible to the shippers, makes it his business to check the contents of the car as they are taken out, to note their condition, and to report to the shipper any irregularities as to the condition or number of packages. The car manifest of the forwarder shows the names of the shippers and of the consignees, the number and contents of packages. The manifests that happened to be in the office of one of these forwarders one day in July, 1911, and which were apparently not unusual, contained each a long list of separate items; the mani-

fest for one car contained a list of packages for no less than 32 different consignees. A so-called "pick-up" system is conducted by different railroads for collecting less-than-carload lots from various stations and combining them at transfer points into full carloads. Small consignments are collected from a number of stations and brought to a given point to be combined into carloads. Among the typical transfer points for combining small shipments into carloads are Canton, Miss., and Norfolk, Va.

The growth of freight and express service on interurban trolley lines has made it easier to market small shipments of perishable fruits and vegetables promptly. The interurban electric lines gather up small shipments and concentrate them at forwarding points. Large quantities of fruits and vegetables are thus handled from points in southwestern Michigan. The produce is collected from such points as Berrien Springs, Eau Claire, and Mill-

burg, and transferred to boats at St. Joseph and Benton Harbor to be forwarded hence to Chicago. This service is prompt; fruit collected one day is on the Chicago market early next morning. A similar traffic is carried through Norfolk, where railroad freight from truck-growing regions is transferred to coastwise steamers for New York and the North.—Yearbook of Agriculture, 1911.

MALDEN, MASS.—Niel E. Boyle is building a large greenhouse on Joseph court.



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

Pure Culture Mushroom Spawn

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

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

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabiosa, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per 1/4 oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGE ON CONTRACT.



CARNATION CALIFORNIA GIANT.
Note its size as compared with the silver dollar in above picture.

Our First Offering. Novelty of 1912

THE NEW STRAIN CARNATION

"California Giant"

(A Product of Prosperity (Mother Plant) and Enchantress.

Size: 5 to 6 inches in diameter.
Color: Glistening white; lemon-tinted center.
Fragrance: Clove-like, deliciously sweet.
Growth: Strong and vigorous, easy grower.
Stems: Stiff and wiry; 3 to 4 feet long.
Calyx: Papaver shaped.

Positively no Malmaison blood in this strain.

Plants readily produce from 30 to 40 flowers in a season. Each flower should readily sell for at least 25 cents each.

➡ **California Giant** ⬅

The New Ever-Flowering Carnation.

OUR ORIGINAL OFFERING. None heretofore distributed.
Price for 1912 and 1913: \$3.00 each, or \$30.00 per doz.

(WHILE THEY LAST).

Cash must accompany orders.

We predict this Carnation will soon be grown by the million.

RICHARD DIENER & CO.
Mountain View, California.

Chrysanthemums

STRICTLY FIRST-CLASS STOCK.

Amorita, Mrs. H. W. Buckbee, Major Bonnaton, White Bonnaton, A. J. Baltour, John Burton, Comoleta, Winter Cheer, Diana, Maud Dean, Dr. Enguehard, Timothy Eaton, Yellow Eaton, Helen Frick, Lillie Godfrey, Robert Halliday, Ivory, Pink Ivory, Yellow Ivory, Mrs. W. E. Kelley, Klondike, Monrovia, Vivand Morel, Nagoya, Patty, Pacific Supreme, Kulus, Mrs. H. Robinson, Cleopatra Touset, Lida Thomas, Mayor Weaver, Hilda Wells, Vanona.

From 2 1/2-in. pots, \$3.00 per 100, \$25.00 per 1000. Rooted Cuttings, \$2.50 per 100, \$17.50 per 1000.

W. H. Chadwick, Golden Chadwick, Pocket's Crimson, T. Carrington, Donatello, Dolly Dimple, Wm. Duckham, White Helen Frick, Glenview, Blackhawk, Lynwood Hall, Intensity, Mrs. O. H. Kahn, G. W. Pook, P. Roosevelt, Golden Wedding.

From 2 1/2-in. pots, \$4.00 per 100, \$35.00 per 1000. Rooted Cuttings, \$3.00 per 100, \$22.50 per 1000.

Chadwick Improved, Merza. From 2 1/2-in. pots, \$5.00 per 100, \$40.00 per 1000. Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000.

Varieties of 1911.

Smith's Advance, the earliest white, **Unaka**, the best large early pink. **Dick Witterstaetter**, a fine crimson for late October. **Roman Gold**, an intense yellow for early November. **Thanksgiving Queen**, an extra early large reflexed white. From 2 1/2-in. pots, \$5.00 per 100, \$45.00 per 1000. Rooted Cuttings, \$5.00 per 100, \$35.00 per 1000. **Chrysolora**, the largest and best yellow for October 15th. From 2 1/2-in. pots, \$10.00 per 100, \$90.00 per 1000. Rooted Cuttings, \$8.00 per 100, \$75.00 per 1000.

Not less than 25 of a kind at 100 and 250 at 1000 rate.

Those desiring less than 25 plants of a kind will be quoted on application.

No order for Rooted Cuttings accepted for less than 25 of a kind.

For type, color and flowering season, refer to our 1912 catalogue.

Elmer D. Smith & Co.

ADRIAN, MICH.

Mention the American Florist when writing

Asparagus Plumosus, 3-in. pots, \$4.00 per 100. **Ivy, Hardy English**, 3-in. pots, \$4.00 per 100.

Clematis Paniculata, strong 2-year old plants, \$10.00 per 100. These will bloom this season. 1-year-old plants, \$5.00 per 100. Seedlings, strong, \$1.00 per 100; \$3.00 per 1000.

Dracaena Indivisa, 3-in. pots, \$4.00 per 100.

Chrysanthemums, strong plants from flats, \$2.00 per 100. Golden Glow, White Cloud, Pacific Supreme, Dr. Enguehard, Yellow Jones, Nonin, Pompons, White Diana, Lulu.

Carnations, Rooted Cuttings, from soil, fine plants of Boston Market, still one of the best whites, \$2.00 per 100; Enchantress, white and pink, \$3.00 per 100.

Ampelopsis Veitchii, nice plants, 3-in. pots, \$5.00 per 100.

Myrtles, the real Bridal Myrtle, large and small leaves, 4-in. pots, \$1.00 per dozen; 2 1/2 in. pots, \$3.00 per 100.

Plants from 2 1/2-in. pots, \$2.50 per 100: **Abutilon Savitzi**; **Cupheas**; **Ageratum**; **Parlor Ivy**; **Asparagus Sprengeri**; **Dracaena Indivisa**; **Alyssum**, Dwarf; **Anthurinum**, pink, white and red; **Impatiens**, **Feverfew**; **Phlox Drummondii** dwarf; **Petunia**, Howard's Star and Giant Fringed; **Lobelias**, Emperor William.

Umbrella Plants, 3-in. pots, \$4.00 per 100.

Bouvardias, white, pink, scarlet and red, 2-in. pots, \$5.00 per 100.

Wistaria Sinensis, seedling plants, 3-in. pots, \$4.00 per 100.

G. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

LOOK! BARGAINS IN Bedding Plants

For Immediate Shipment.

NOW READY.

Godfrey Aschmann, the busy bee, is more active than ever. Come and look at what he and his son and employees have done in four weeks' time. Inspect it yourself, judge it yourself, and you will say "Is it possible?" Sixty-three greenhouses and equally as many frames are filled with choice bedding plants of all descriptions.



Cannas, Alphonse Bouvier, Florence Per 100
Vaughan, Pennsylvania, Queen Charlotte, \$7.00
Cannas, Mme. Crozy, 4-in. 8.00
King Humbert, 4-in. 10.00

Hardy or English Ivy, made up of 3 plants, 4-in., 10c; 5-in., 15c.

Begonia Erfordi, our well known strain, our latest improvement, always in bloom, best of all pink varieties, 4-in. pots. 8.00

Begonia Vernon, the genuine dark red. Discard the old large leaved and buy the new sort. A bed of them once seen growing on a lawn speaks for itself; it is our latest improvement of the Vernon type; always a mass of flowers; stands the sun, heat and the dry weather well; 7,000 4-in. now ready. 8.00
3-in. (all in bloom) 5.00

Begonia Berne, another novelty of Berne, Switzerland, a constant bloomer, 5 1/2-in. pots, 25c; 3-in. 10c; 4-in., 15c.

Lemon Verbenas, 4-in. 7.00

Scarlet Sage, everybody's favorite, Clara Bedman or Bonfire (in bloom), 4-in. 7.00
Zurich, 4-in. 7.00

Ageratum, dwarf, best blue, 4-in. 7.00

Fuchsias, assorted colors, 4-in. 7.00

Double Petunias, assorted, 4-in. 7.00

Lantanas, assorted, 4-in. 7.00

Geraniums, 3 best well-known varieties:
Beaute Poitevine, best salmon pink, 4-in. 8c each
S. A. Nutt, best crimson, 4-in. 7c each
Alfonse Ricard, best double red, 4-in. 7c each

Honeysuckle, sweet-scented Halleana, 4-in., 10c; 5-in. 15c each

Clematis Paniculata, 5 1/2-in. pots. 15c to 20c each

Ampelopsis Veitchii, 30-in. high, 4-in. 15c each
5-in. 20c each

Cobea Scandens, 4-in. 10c each

Delytra Spectabilis or Bleeding Heart, hardy, like a peony, kept outside in frames all winter, strong and healthy, 6-in. pots, 25c to 35c.

Dracaena Indivisa, 6-in. pots, 50c.

Vinca Variegata, large 4-in., 50c.

Perennial or Hardy Phlox, assorted colors, nice strong young plants, \$7.00 per 100.

Shasta Daisies, best white large-flowering hardy daisy, 2 1/2-in., \$5.00 per 100.

Hydrangea Otaksa, 6-in. pots, medium size only, suitable for outdoor planting, not in bloom, 25c; 7-in. pot, in cold frame all winter through, 50c to 75c.

Asparagus Plumosus, 2 1/2-in., \$25.00 per 1000, \$3.00 per 100; 3-in., \$5.00 per 100.

Asparagus Sprengeri, 4-in., 10c.

Here we have something new, worth while having. What is it? It is a **New Yellow Daisy**, a constant bloomer. Here is the name: **Dimorphotheca Aurantiaca**. 2-in. pots, \$1.00 per doz.

First Consignment.

6,000 just received per steamer Lapland from Antwerpen, Belgium; more coming by next steamer.

Araucaria Excelsa, Robusta Compacta, Glauca, and Palms, etc. Florists, you all know we are leaders for the last 25 years in importing, growing and shipping of this so well known evergreen decorative plant, the **Araucaria**, more in favor than ever from Atlantic to Pacific Ocean. To every florist our Araucarias are interesting; therefore no argument is needed for our goods. We know what our customers need; therefore we have provided and set aside special specimen plants, spring, 1911, importation, lawns, porches, verandas, bungalows, private summer residences, the hotels and boarding houses on the seashore and elsewhere. This plant is one of the most desirable evergreen decorative plants adapted for the above mentioned purposes.

Araucaria Excelsa, raised from top cuttings, 6-7-in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa Glauca and Robusta Compacta, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Araucaria Excelsa, new importation, arrived per steamer Lapland, in fine condition, out of 5, 5 1/2 and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.

Robusta Compacta Excelsa Glauca, April, 1911, importation, 5 1/2 and 6-in. pots, \$1.00 to \$1.25 each.

Kentia Belmoreana, 4 year old, 30 to 35 inches high, \$1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 inches high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5 1/2-in., 50c.

Here is a bargain seldom offered. Only as long as we have it in stock. **Kentia Belmoreana**, made up of 3 plants, 30 to 36 inches high, 8-in. pots. Look! Only \$1.50, worth \$2.50.

Kentia Forsteriana, 5 1/2 to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4 1/2-in., 18 to 20 inches high, 35c.

Kentia Forsteriana, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00 each.

Cocos Weddelliana Palms, made up of 3 plants, 4 to 5 in. pots, 30c to 40c; 3-in., 15c.

Arcaea Lutescens Palms, made up of 3 plants, 4-in., 20c to 25c; 5 1/2-in., made up of 3 plants, 25c to 30c.

Ficus Elastica (Rubber Plant), 7-in. pots, 30 to 35 in. high, \$1.00; 25 to 30 in. high, 7-in. pots, 75c; 6-in. pots, 20 to 25 in. high, 40c to 50c; 5 1/2-in., 30c to 35c.

Ferns.

Neph. Cordata Compacta, 4-in., 20c; 3-in., 15c.

In Small Plants

we have the following in 2 1/2 to 3-in. pots, at \$3.00 per 100:

Verbenas, assorted colors.
Phlox Drummondii, dwarf and grandiflora.
French dwarf Tagetes (the queen of the Marigolds).
Coliens, **Verschoffeltii**, Golden Bedder, Queen Victoria (fancy colors, 4c).
Petunias, Inimitable, Dwarf and Rosy Morn.
Sweet Alyssum, Carpet of Snow or Little Gem
Thunbergia, or Black Eyed Susan.
Lobelia, Crystal Palace, blue, dwarf.
Centauria Gymnocarpa (Dusty Miller).
Parlor or German Ivy, 3c.
Callifera Giant Petunia, 3-in., \$5.00 per 100.
Asters, 5 separate colors, 2 1/2-in., 3c; Crego, mottled or striped.

Now is the time for planting **Moonvine**. Don't forget that we are the growers and shippers of **Ipomea Noctiflorum**, the pure white Moonvine, with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years; grows 50 feet and over in one season; over 25,000 are shipped every spring all over America, south, north, west and east, Mexico and Cuba, 2 1/2-in. pots, \$5.00 per 100; 3-in., \$8.00 per 100; 4-in., \$12.00 per 100.

Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President;
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President; John Hall, Rochester, N. Y., Sec'y.
Thirty-seventh annual convention to be
held at Boston, Mass., June 12-14, 1912.

SCOTTSVILLE, TEXAS.—We picked our first ripe Mayflower Peach May 17.

THE second annual convention of the California Association of Nurserymen will be held at Oakland, Calif., November 7-8, 1912.

Long Beach, Calif.—G. A. Lindsay, proprietor of Long Beach Nurseries, died suddenly, May 14, aged 64 years. He is survived by a widow and one son.

THE grape leaf hopper has proved an important pest of the grape in Chautauqua county, New York, and the State Experiment Station at Geneva, New York, has issued Bulletin No. 344 descriptive of the insect and the methods of control.

SERIOUS damages to grapevines by frost is reported in German vineyards. The winter was abnormally warm and the vines began to bud and grow in January. This was followed by hard freezing in early February, which so damaged them that in one district 50 per cent of the vines will not bear this year.

WHILE maples are in use in Indiana more extensively for shade tree purposes than all other kinds of trees combined, the Muncie Press states that their use should be discontinued, for they are subject to the deadly attack of several common insect pests and they grow long, slender branches which frequently break off when loaded with ice. Four kinds of maples are used, the silver leaf and red maples being planted on account of their rapid growth. The Norway maple, it is stated, is too low headed to make a desirable shade tree.

A Beautiful Flowering Shrub.

Previous to the commencement of the present century, about four species of corylopsis were known in British gardens; but the introduction of new shrubs from the far east has been pushed so vigorously during the last twelve years that it has been possible to add nine other species to this genus alone, says The Garden. Some of these species were previously known by dried specimens, but were not in cultivation. *C. pauciflora* is one of the older kinds, although not a common shrub. A native of Japan, it forms an elegant bush a few feet high, with slender wiry branches, which bear bright green, heart-shaped leaves up to 3½ inches in length. The leaves are very beautiful in springtime, for from the time the buds begin to burst and the leaves to show until they are fully developed they are prettily marked with rich brown and pale green. The flowers appear in short, axillary, pendant racemes before the leaves. They are upwards of half an inch in diameter, primrose yellow in color, and scented like cowslips. Unfortunately, it is subject to injury from spring frosts.

American Association of Nurserymen

EXHIBITS AT THE BOSTON CONVENTION.

Exhibitors at the American Association of Nurserymen's Convention in Boston will have ample room in which to display their goods to best advantage. In addition to exhibition hall in Hotel Somerset, for light exhibits we shall use the Palm Room which opens directly out of the auditorium. Heavy exhibits and those requiring table space against the wall, will be placed in the exhibition hall. As the floor of this hall is polished, heavy implements should have boards beneath.

To secure these extraordinary accommodations we have been obliged to guarantee the hotel management \$150 per day, a part of which will be paid by the local committee, and part by the exhibitors. A goodly number have already applied for space so that the expense to the exhibitors will not be a large item. Indications point to a very large attendance at the Boston meeting, and those who have exhibits, will no doubt, reap good results.

Please address all communications, stating the nature of your exhibit, to the undersigned, at Lexington, Mass.

Packages containing goods for exhibit should be sent as far as possible, by express, prepaid, to A. E. Robinson, Hotel Somerset, Boston, Mass.

A. E. ROBINSON, Chairman.

Shrubs at Purdue University.

Having occasion to pass through La Fayette, Ind., and having a little spare time, we visited the grounds of Purdue University, and found Perry Van Landigam, the superintendent, who kindly escorted us around. The grounds are beautifully planted with rare trees and shrubs and the latter were simply grand upon the day of our visit and the arrangement is particularly fine, being planted in groups, and are a fitting example of the artistic landscape ability of the superintendent. We were shown a number of double crossed lilac seedlings, some of last year's seedlings being already grafted on the common stock. The plant which particularly attracted our attention was a new spirea which looked like a ball of snow. The plant is very dwarf, being not more than two feet high, with leaves and flowers smaller than *Spirea Van Houttei*, the latter being about half the size of that well known variety. The buds before they open have a reddish tint, as have also the stems, but the flowers are pure white and the slender branches are so thickly covered that they bend to the ground with the weight of the blooms. This variety would no doubt be a great acquisition to the florist

who forces shrubs during the winter, for it is very early, and being so dwarf could be easily handled. The plant which we saw was in the fifth year and very much resembles *Spirea multiflora* and is perfectly hardy. We were also shown many other experimental crosses, and Mr. Van Landigam is to be congratulated on the fine lot of shrubs and the admirable landscape work for which he has acquired a great reputation, as well as his ability as a landscape draughtsman. His work at the Philadelphia centennial was renowned and at the World's Fair at Chicago he was awarded the grand prize for *Adiantum Farleyense*, and was one of the first to show disbudded chrysanthemums in Horticultural Hall, Philadelphia, in the early eighties. Since he has been connected with Purdue university his work has been principally landscape draughting.

J. C. MUELER.

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SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

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LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

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Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens,
Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots,
Conifers, Pines

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BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

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FOR SUMMER FLOWERING.

A splendid lot of retarded plants, in good, green tubs.



OTAKSA.

11-inch pail-tubs	5 to 6 leads,	\$1.00
12-inch Riverton tubs,	8 to 10	2.50
14-inch	10 to 12	3.50

Jeanne d'Arc.

White flowering, an improvement on Thos. Hogg.

6-inch pots,	bushy plants,	25 cents each.
10-inch pail-tubs,	"	75 " "

If you are interested in the New Hydrangeas which will no doubt prove to be the Greatest Novelty for Easter in the Eastern markets, send for our Special Circular, which offers not only the favorites of this season, but also a number of the newer sorts, which are not yet generally distributed and which are certain to prove valuable.

Dracaena Indivisa

A splendid lot of this most useful plant for summer use.

4-inch pots,	\$1.50 per dozen;	\$10.00 per 100.
5 " " "	3.00 " "	20.00 " "
6 " " "	4.00 " "	30.00 " "

Large plants in 8 and 9-inch pots, 75 cents, \$1.00, \$1.50 and \$2.00.

The above prices are intended for the Trade only.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

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Chrysanthemums

ROOTED CUTTINGS

Ready Now.

750 Smith's Advance, 2000 Mrs. David Syme,
3000 A. Byron, 2500 W. Bonnaffon,
2500 Rosette, 2000 Halliday,
1500 Pac. Supreme, 1500 M. Bonnaffon, and
others. Send for list.

WM. SWAYNE,
Kennett Square, Pa.

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CHRYSANTHEMUMS

Strong plants, 2 1/4 in. pots, ready now or will make deliveries later. Glen Cove, Unaka, Mrs. David Symes, Witterstatter, Roman Gold, \$7.00 per 100. Smith's Advance, \$4.00, Chadwick Supreme, \$8.00, Chrysolora, \$10.00 per 100. Golden Glow, Crocus, Yellow Jones, Dr. Enguehard, Major Bonnaffon, Jerome Jones, White Bonnaffon, Clementine Touse, Amorita, Charles Razer, White Eaton, White Chadwick, Late Yellow, Late Pink, Virginia Poehlmann, Golden Chadwick, \$2.50 per 100, \$22.50 per 1000. Will exchange for Asparagus, Sprengeri, Boston or Scotti Ferns.

ELI CROSS, 25 Monroe St., Grand Rapids, Mich.

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Roses, Cannas, Shrubs

Ask for New Price List

THE CONARD & JONES CO.
WEST GROVE, PA.

BUDDING KNIFE FREE

See Page 1146.

Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

Roses.

Ramblers, Hybrid Teas, Hybrid Perpetuals,
Dwarf Polyanthas, Standards and
Half Standards.

Rhododendrons.

18-24 inches, well budded, named varieties,
forcing stock, as well as kinds for outdoors,
\$40.00 per 100.

Lily of the Valley. Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.

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Pink and White Killarney, 2-year-old stock.

\$50.00 per 1000. Now ready for shipment.

BASSETT & WASHBURN, Hinsdale, Ill.

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Strong, well rooted cuttings, the kind that will please you.

P. Major, red.....50c per 100; \$4.00 per 1000
A. Nana, yellow.....50c per 100; 4.00 per 1000

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Davenport, Iowa.

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The best New and Standard varieties.
Send for Wholesale Price List.

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HAMMONTON, N. J.

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Bedding Plants

Very Choice Stock and

Achyranthes, 2-in.\$2.50 per 100	EACH
Achyranthes3-in.	\$.05
Ageratum	.....2-in.	.02½
"	.....3-in.	.05
"	.....4-in.	.07
Althernantheras	.....2-in.	.02½
Caladium Esculentum	.....5-in.	.15
Cannas, Florence Vaughan,		
Austria	.....4-in.	.12
Celosia or Cockscombs	.....3-in.	.05
Cobaea Scandens	.....4-in.	.08
Coleus, Beckwith Gem, Verschaffeltii, Pfister red and yellow, Golden Bedder	.....2-in.	.02½
Coleus, 3-inch.	.....	.05
CYCLAMEN, 2-in.	.....\$4.00 per 100	
"	.....3-in.	6.00 per 100

Lanatum Vine	.....3-in.
"	.....4-in.
Heliotrope	.....4-in.
Hydrangea Otaksa	.....2-in.
"	.....3-in.
Lantanas	.....4-in.
Lobelia	.....2-in.
Katherine Mallard	.....2-in.
Marguerites, Yellow	.....4-in.
Single White	.....4-in.
Mme. Salleroi	.....2-in.
"	.....3-in.
Penisetum	.....2-in.
Petunias, Single, Bar Harbor Beauty	.....2-in.
"	.....3-in.
Poinsettias, stock plants, 4-in.	.....\$5.00 per 100
Pyrethrum, Golden Feather	.....
Ricinus (Castor Bean)	.....3-in.
Rose Geranium	.....4-in.
"	.....3-in.
Roses, Pot Grown	.....5 and
Salvia	.....4-in. \$1.00 per doz.
Shasta Daisies	.....\$5.00 per 100
Sweet Alyssum	.....2
Thunbergia	.....2
Verbenas	.....2
Vinca	.....4
Vinca Variegata	.....2
Umbrella Plants	.....2

Dracaena Indivisa.

3-in.	.....	.5c each
4 in.	.....	10c each
6-in.	.....	\$5.00 per doz.
8-in.	.....	\$1.50 each
Dusty Miller2-in.	.02
English Ivy4-in.	.15
"3-in.	.07
"2-in.	.03
German Ivy3-in.	.06
"2-in.	.02½

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For Immediate Sales

Killarney and White Killarney

Clean, strong stock from 2¼ inch pots, ready to shift. \$3.00 per 100; \$25.00 per 1000.

Carnations FROM SOIL, Enchantress, White Enchantress, White Perfection and Dorothy Gordon, \$2.00 per 100.

Cash with Order.

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From four-inch pots from which I propagated my stock last winter at \$3.50 per 100 these are a bargain. Golden Bedder, Verschaffeltii and standard mixed. From two and one half inch pots in standard mixed and giant leaved short stocky plants at \$2.50 per 100. This is the last call for these, order at once to secure them and send cash with order.

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2¼ inch pots, \$2.00 per 100.

Cannas, C. Henderson, small, \$3.50 per 100. Pandanus Veitchii, finely variegated \$1.00 each. Asparagus Plumosus and Sprengeri, \$2.00 per 100. Geraniums, mixed, 3 and 3½ inch pots, my selection, \$6.00 per 100. Pansy Seed, new crop, giant flowering, ounce, 40c. Cash.

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2½-Pots.

	Per 100	Per 1000
American Beauty\$4.50	\$40.00
White Killarney 5.00	40.00
Pink Killarney 5.00	40.00
Perle 4.00	30.00

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PERLE ROSE PLANTS.

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Bargain at the Prices Quoted,

ROSES in pots, Lady Gay, Hiawatha, Hermosa, Flower of Fairfield, Baby Dorothy, Yellow Rambler, White Rambler, Magna Charta, Capt. Hayward, 25c each.

BOXWOODS BAY TREES

DRACÆNA INDIVISA

3 inch, \$5.00 per 100; 4 inch, \$1.50 per dozen; \$10.00 per 100; 6 inch, \$5.00 per dozen; 8 inch, large beautiful specimen, \$1.50 ea.

OBELISK.
4 ft. high, 18-inch bottom measure, \$10.00 each

Globe Shaped. Each

15-18 " "	4.00
24 " "	6.00

Standard.

18 in. crown	\$1.50
" "	2.50
" "	3.00
" "	4.00
" "	6.00
" "	9.00
3-4 ft. stem	9.00
18-24 in. "	9.00
18-24 " "	10.00

Pyramid

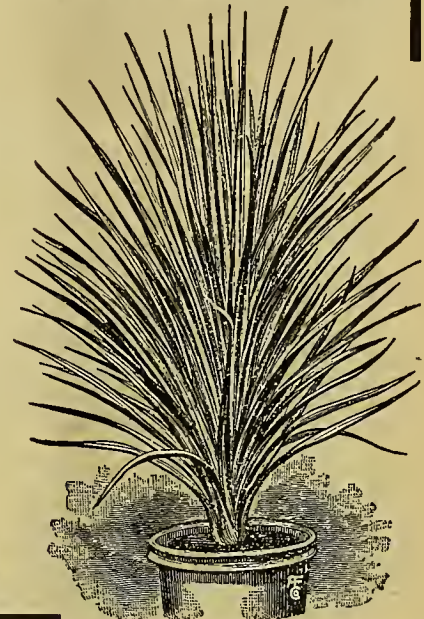
4 ft. high	Each \$5.00
5 ft. high	7.00
6 ft. high	10.00
Boxwoods, square trim, 20 in. high, 15 in. diam.	2.50

Pyramid. Each

4 ft. high	\$ 6.50
5 " "	8.00
7 " "	15.00
9 " "	20.00

Standard.

1 ft. stem, 18 in. crown	\$ 4.00
2 " " 18 " "	4.00
2 " " 20 " "	5.00
3 " " 24 " "	6.00
3 1/2 " " 26 " "	7.00
1 1/2 " " 28 " "	7.00
3 1/2 " " 30 " "	8-50
4 " " 48 " "	20.00



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A Reincarnation of the old William Scott, but embodying additional and more important qualities.

The New "Helen" Pink A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit," Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

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Radiance, 3 1/2-in.	\$150 00 per 1000	Maryland, 2 1/2-in.	\$5 50 Per 100 \$50 00 Per 1000
Rose Queen, 3 1/2-in.	150 00 per 1000		
Melody, 2 1/2-in.	120 00 per 1000		

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WHITE.				PINK.					
	R. C. per 100	per 1000	2 1/2-in. per 100		R. C. per 100	per 1000	R. C. per 100	per 1000	
Smith's Advance	\$3 00	\$25 00	\$4 00	\$25 00	McNiece	\$2 50	\$20 00	\$3 50	\$30 00
October Frost	2 50	20 00	3 00	25 00	Maud Dean	2 50	20 00	3 50	30 00
Virginia Poehlmann	2 50	20 00	3 00	25 00	Fatte	2 50	20 00	3 50	30 00
Clementine Touse	2 50	20 00	3 00	25 00	Dr. Enguehard	2 50	20 00	3 50	30 00
Alice Byron	2 50	20 00	3 00	25 00					
Alice Byron	2 50	20 00	3 00	25 00					
Timothy Eaton	2 50	20 00	3 00	25 00					
W. H. Chadwick	3 00	25 00	4 00						
YELLOW.									
Golden Glow	2 50	20 00	3 00						
Holiday	2 50	20 00	3 00	25 00					
Col. Appleton	2 50	20 00	3 00	25 00					
Major Bonaffon	2 50	20 00	3 00	25 00					
Yellow Eaton	2 50	20 00	3 00	25 00					
Golden Chadwick	3 00	27 50	4 00	35 00					
Dolly Dimple	2 50		3 00						

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Send prices quoted and we send the books.

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in Mission Box.

Decorative Trees

PYRAMIDAL BOXWOOD.

Nice Trees, 2	to 2½ ft. high\$1.50 each;	\$2.75 per pair
"	2½ to 3	ft. high.....	2.00 " 3.50 " "
"	3	to 3½ ft. high.....	2.50 " 4.50 " "
"	3½ to 4	ft. high.....	3.00 " 5.50 " "
"	4	to 4½ ft. high.....	3.75 " 7.00 " "

Boxwood Planted in Mission Boxes.

For the convenience of those wanting to purchase trees already planted, we here offer some of the most desirable sizes:

Nice Pyramidal Box, about 30 in. high, planted in Mission Boxes\$3.00 each;	\$5.75 per pair
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BOXWOOD—Standards.

These resemble the Bay Tree in shape.			
Nice Trees, with 12 in. crown\$1.25 each;	\$2.25 per pair	
"	15 in. crown.....	1.50 " 2.75 " "	
"	18 in. crown.....	1.75 " 3.25 " "	

BAY TREES—Standards (Stems 36 to 44 in. high.)

Order your Bay Trees planted in Mission Boxes.			
24 to 26 in. crown..	planted in tubs, \$ 6.00;	in Mission boxes, \$ 8.50	
28 to 30 in. crown..	" " " 7.50;	" " " 10.00	
32 to 36 in. crown..	" " " 10.00;	" " " 14.00	
36 to 40 in. crown..	" " " 11.50;	" " " 15.50	

Wagner Park Conservatories, SIDNEY, OHIO.

ROSE STOCK

3-in. Pot Plants. Immediate Delivery.

Sunburst, Grafted, \$35.00 per 100. Own root, \$30.00 per 100.

Rose Queen and Lady Hillingdon, Grafted, \$25.00 per 100; \$200.00 per 1000. Own root. \$20.00 per 100; \$150.00 per 1000.

Richmond, Radiance, Killarney and Bon Silene, own root, \$8.00 per 100; \$60.00 per 1000.

American Beauty, \$10.00 per 100; \$80.00 per 1000.

CHAS. H. TOTTY - - Madison, N. J

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ROSES LAST CALL

We Need The Space

American Beauties, 2¼-inch.....	\$5.00 per 100; \$45.00 per 1000
Bench Beauty Plants.....	5.00 per 100; 40.00 per 1000
A nice lot of 2¼-in. My Maryland.....	4.00 per 100; 35.00 per 1000
2½-in. White Killarney.....	4.00 per 100; 35.00 per 1000

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Sweet Williams

Field Clumps, \$3.00 per 100; \$25.00 per 1000.
Smaller plants that will bloom this season, 50 cents per 100; \$3.50 per 1000.
Hardy Finks, field clumps, \$2.00 per 100.

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Lilies, Summer Flowering Bulbs and Hardy Plants.

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Joseph Heacock Company's Palms & Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana			
Pot	Leaves	In. high	Each
2½-in.	4	8 to 10	\$ 1 50
3-in.	5	12	2 00
4-in.	5	15	\$0 35
5-in.	6 to 7	18	50
6-in.	6 to 7	24	1 00
Cedar tub	Leaves	In. high	Each
7-in.	6 to 7	34 to 36	2 50
9-in.	6 to 7	40 to 46	4 00
9-in.	6 to 7	42 to 48	5 00
9-in.	6 to 7	48 to 54	6 00
9-in.	6 to 7	5 ft.	7 50

Kentia Forsteriana—Made up			
Cedar tub	Plants	In. high	Each
7-in.	4	36	\$ 2 50
7-in.	4	36 to 40	3 00
9-in.	4	40 to 42	4 00
9-in.	4	42 to 48	5 00
9-in.	4	48 to 54	6 00
12-in.	4	5½ to 6½ ft.	15 00

Cocos Weddelliana			
Pot	In. high	Per 100	
2½-in.	8 to 10	\$10 00	

Areca Lutescens			
Cedar tub	Plants in tub	In. high	Each
9-in.	Several	5 ft.	\$7.50

Phoenix Roebeleni			
Pot			Each
5-in.	nically characterized		\$1 00
6 in.	18 to 20-in. spread		1 50
Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	\$2 00

Cibotium Schiedei			
Cedar tub	Spread		Each
9-in.	4 feet		\$3 00
9-in.	5 feet		5 00
9-in.	6 feet		6 00

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MRS. TAFT, Rivoire.) Own root, \$7.50 per 100; \$60 per 1000.

RADIANCE, Own root, \$7.50 per 100; \$60 per 1000.

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Des Plaines, Illinois

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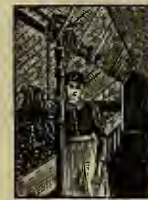
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ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

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Alternantheras, red and yellow, 2 1/4-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

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Ampelopsis Veitchii, 3-year-old, \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

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Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechslein, 4911 Quincy St., Chicago.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 4-in., 6 to 8 ins., case lots of 50 and 100 each, \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

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Artillery plants, 2 1/2-in., \$2.50 per 100. Heil's Greenhouses, West Toledo, O.

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Asparagus plumosus nanus, from 2 1/4-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, prop., Chatham, N. J.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

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Asparagus plumosus nanus, 2 1/4-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$8 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. Sprenger, 2 1/2-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprenger, 2 1/2-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2 1/2-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

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Aster plants, Vick's and Semple's branching, Victoria, Carlson's and Comet, Seedlings, 50c per 100; transp., \$1 per 100. Danville Floral Co., Danville, Ill.

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Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

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Bay trees and box trees; all sizes. Write for special list. Julius Rochrs Co., Rutherford, N. J.

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Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Witthold Co., 739 Buckingham Pl., Chicago.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay Trees. Bobbink & Atkins, Rutherford, N. J.

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Bedding plants. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. The Geo. Witthold Co., 739 Buckingham Pl., Chicago.

Coleus, alternantheras, red and yellow; heliotrope, scarlet sage, lemon verbena, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

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Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Bush box, 12 ins., 30c each; \$25 per 100. Storrs & Harrison Co., Painesville, O.

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Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Witthold Co., 739 Buckingham Pl., Chicago.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

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Bulbs, gladiolus, Kunderi "Glory," per 100, \$7.50; per 1,000, \$70. America, 1 1/4-in. to 1 3/4-in., \$17 per 1,000. Mrs. Francis King, 1 1/4-in. to 1 3/4-in., \$17 per 1,000. Augusta, 1 1/4 to 1 1/2-in., \$16 per 1,000. Princess, per 100, \$10. Extra fine mixture, part named, \$18. Tuberoses, Dwarf Pearl, medium, 3-4., \$5 per 1,000. Lilium auratum, 8-9 in., \$50 per 1,000; 9-11 in., \$80. Vaughan's Seed Store, Chicago and New York.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co. New York.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lilies. E. S. Miller, Wading River, N. Y.

Bulbs, Begonias and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, Surplus of L. Multiflorans, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

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CANNAS. Pot plants, fine stock, 3-inch Beaute Poitevine, Paul Marquant, David Harum, Pennsylvania, \$5 per 100. F. Vaughan, M. Berat, Sec. Chabanne, \$3.50 per 100. Marvel and C. Reed, two new fine red varieties, \$6 per 100. Order at once. Wagner Park Conservatories, Sidney, O.

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Cannas. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

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EXTRA CHOICE CARNATIONS, Winsor, White Lawson and Victory. Closing out surplus of young stock. All choice, extra large plants, ready for bench or field, \$3.50 per 100, or \$30 per 1,000. Cash or reference. ELITCH-LONG GREENHOUSES, Denver, Colorado.

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Carnation Brooklyn. Rooted cuttings, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Chas. Weber, Lybrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward. White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnation California Giant, \$3 each; \$30 per doz. Richard Diener & Co., Mountain View, Calif.

Carnations, strong 2-in. stock, Mrs. C. W. Ward, Alma Ward and Dorothy Gordon, \$3.50 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. F. Dornier & Sons Co., La Fayette, Ind.

Carnations, Victory, 2-in. pots, \$1.50 per 100. Washington, \$5. A. M. Herr, Lancaster, Pa.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Cole, Kokomo, Ind.

Carnations. Wood Bros., Flakhill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

Crimson. R. C. Per 100. Per 1,000.
Pockett's Crimson\$2.50 \$20.00
Intensity 2.00 15.00

White. R. C. Per 100. Per 1,000.
Alice Byron\$2.00 \$15.00
Touset 2.00 15.00
October Frost 2.00 15.00

Yellow. R. C. Per 100. Per 1,000.
Crocus\$4.00 \$35.00
Golden Glow 2.00 15.00
Halliday 2.00 15.00
Maj. Bonaffon 2.00 15.00

Pink. R. C. Per 100. Per 1,000.
Pacific Supreme\$2.00 \$15.00

J. D. THOMPSON CARNATION CO.,

JOLIET, ILL.

CHRYSANTHEMUMS. Strictly first-class rooted cuttings of the following varieties: Maj. Bonaffon, White Ivory, Amoria, Rosiere, De-Kalb, October Frost, Golden Glow, Moorovia, etc., at \$2 per 100; \$15 per 1,000. Clementine Touset, Jeanne Nonin, Dr. Enguehard, Vivand-Morel, Mrs. Roblasou, Timothy Eaton, Maud Dean, Col. Appleton, Robt. Halliday, Hele Frick, Yellow Eaton, Golden Wedding, Thurlie, etc., at \$2.50 per 100; \$20 per 1,000. Cash or satisfactory reference. ELITCH-LONG GREENHOUSES, Denver, Colorado.

ROOTED CUTTINGS out of Snod. Out Door Propagation. Ready to ship. Safe arrival guaranteed. WHITE, \$1.50 per 100; \$12.50 per 1,000; Early Chadwick, Kalb, White Cloud, Mile, Desjouis, Florence Pullman, Mrs. Buckbee, Silver Wedding, Lynwood Hall, Queen, Timothy Eaton, Yanoma. YELLOW, \$1.50 per 100; Moorovia, Halliday, Appleton, Golden Wedding. PINK, \$1.50 per 100; \$12.50 per 1,000; W. H. Simpson, J. Rosette. SINGLE SORTS: Cosmos, Pink; Lady Smith, pink. MEMPHIS FLORAL CO., 145 South Main St., Memphis, Tenn.

Chrysanthemums, Major Bonaffon, Standard yellow, every plant well rooted, \$10 per 1,000. Cash with order. Charles M. Weaver, Ronks, Pa.

Chrysanthemums, strictly first-class stock, White Chadwick, Yellow Chadwick, White Jones and Yellow Jones, R. C., \$2.50; 2 1/2-in., pots, \$3.50 per 100. Otto J. Hembreker, Lincoln, Ill.

Chrysanthemums. The best for florists' use. For list of varieties see elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, first-class of the following varieties: Touset, Golden Glow, Early Snow, Pacific Supreme, Bonaffon, Ivory, Halliday, Enguehard, White and Pink Maud Dean, Minnie Bailey, Pompons, Diana, Geo. Hager, \$1.50 per 100; \$13 per 1,000. Leonard Utzinger, 500 Lake View Road, Cleveland, O.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

HEADQUARTERS

CHRYSANTHEMUMS, ROOTED CUTTINGS

White. Per 100
White Ivory\$2.00
Chadwick\$2.50
October Frost 2.00
Yanoma 2.00
Mrs. Buckbee 2.00
W. Bonaffon 1.50
Touset 1.50
W. Gloria 2.00

Yellow.
Major Bonaffon 2.00
Yellow Eaton 2.00
Golden Chadwick 2.50
Golden Glow 1.50
Moorovia 1.50
Robt. Halliday 2.00
Col. Appleton 2.00
Nagoya 1.50

Pink.
Rosiere 1.50
Pacific 1.50
Monogram 1.50
Ivory 2.00
Gloria 2.00
Dr. Enguehard 2.00
J. Rosette 1.50
Marian Newell 2.00

POMPONS.

White.
Baby Margaret 2.00
Diana 2.00
Garza 2.00
Lulu 2.00

Yellow.
Quicola 2.00
Baby 2.00

Pink.
Mrs. E. Roberts 2.00
Ladysmith 2.00
Emile 2.00

Bronze.
Mary Richardson 2.00

VIETOR BROS.,

162 N. Wabash Ave., Chicago.

Chrysanthemum cuttings, from sand and soil as follows: White—Estelle, Polly Rose, Oct. Frost, Ivory, Jeanne Nonin, Silver Wedding, Yellow: Golden Glow, Maj. Bonaffon, Yellow Eaton. Pink: Glory Pacific, Pacific Supreme, Minnie Bailey, \$1.25 per 100; \$12 per 1,000. D. H. Green, Boonsboro, Md.

CHRYSANTHEMUMS, R. C., \$2; 2 1/2-in., \$3.50; 3-in., \$5. White: Kalb, Bonaffon, J. Jones, Roblasou. Pink: Ivory, J. K. Shaw, Dr. Enguehard, Maud Dean. Yellow: Moorovia, Robt. Halliday, Golden Wedding, Yellow Chadwick, Golden Glow, Bonaffon, Golden Age, Appleton. GEO. A. KUEHL, Pekin, Ill.

Chrysanthemums. Our collection of over 50 varieties cover all that is desirable. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums. Chas. H. Totty, Madison, N. J.

Chrysanthemums. Wm. Swaney, Box 85, Kennett Square, Pa.

Chrysanthemums, leading vars. Wood Bros., Flakhill, N. Y.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, R. C., \$5 per 1,000, Golden Bedder, Verschaffelti and Standards mixed, 4-in. pot plants and 2 1/2-in. assorted giant leaved, \$3.50 per 100. A. M. Herr, Lancaster, Pa.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffelti, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Palmyra, O.

Coleus, 2 1/2-in., \$3 per 100, ass't. varieties. J. William Colflesh's Sons, 53rd and Woodland Ave., Philadelphia.

Coleus, ass't. 2 1/2-in., \$2.50 per 100. Heintz's Greenhouses, West Toledo, O.

Coleus, 10 varieties, 2 1/2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

CUPHEAS,

Cupheas, 2 1/2-in., \$2.50 per 100. Heintz's Greenhouses, West Toledo, O.

CYCLAMENS.

Cyclamen Gigantea, transplanted Aug. seedlings, Cream of English and German strains, including orchid and best salmon flower, 10 separate varieties, 4-6 leaves, ready to pot, \$3 per 100; \$25 per 1,000. Rober & Radke, Maywood, Ill.

Cyclamens, 3-in. pots, \$10 per 100; \$80 per 1,000. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, ahrimp pluk, fluted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, leading kinds, \$3.50 per 100; \$30 per 1,000. Divided field-roots, \$5 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.
Dahlias, new and standard varieties. Bassett & Welser, Hammontou, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

DAISY HEADQUARTERS. We offer the two best, Mrs. Sander, Soliel d'Or (yellow), strong plants from 2 1/2-in. pots, \$5 per 100. Welland & Risch, 154 N. Wabash Ave., Chicago.

DRACAENAS.

Dracaena indivisa, 5-in., \$3 per doz.; \$25 per 100; 6-in., \$5 per doz.; \$35 per 100. Extra large plants, pot-grown. Cash with order please. Leonard Utzinger, 800 Lake View Road, Cleveland, O.

Dracaena indivisa, 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$4 per doz., \$30 per 100. Large plants, 8-in. and 9-in., \$1, \$1.50 and \$2. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracaena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Dracaena indivisa, pot-grown, stock green to the points, 5-in., \$25 per 100; 6-in., \$35 per 100; 7-in., \$75 per 100. John Irvine & Sons, Bay City, Mich.

Dracaena indivisa, 4-in., \$10 per 100; 6-in., \$25 per 100. Calvert Floral Co., Lake Forest, Ill.

Dracaena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmanu, Newton, N. J.

FERNS.

Ferns, Amerpohl, Barrowsil, Scotti, Elegan-tissima, Boston, Jackson, Sword and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dinglee & Conard Co., West Grove, Pa.

Ferns for dishes, transplanted, ready for pots, 5 vars., \$1.00 100; \$9.00 1,000. To make room—2-in., 8 vars., \$2.50 100; \$20.00 1,000. Aspidium tassimensense, Cyrtomium falcatum, \$3 100. Cash, please. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rate. H. H. Barrows & Son, Whitman, Mass.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmanu, Newton, N. J.

500 Boston ferns out of 3-in., at \$5 per 100. Edgar Easterday, Nokomis, Ill.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkina, Rutherford, N. J.

GERANIUMS.

GERANIUMS. We have an especially nice lot of S. A. Nutt, Grant, Pottvine and Buchner, 4-in., 2 1/2-in., rooted cuttings and stock plants. If you need any we will be pleased to submit interesting prices. The W. T. Buckley Co., Springfield, Ill.

GERANIUMS, all varieties. Large plants, \$8 per 100. M. C. Gunterberg, 82-86 E. Randolph St., Chicago, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Geraniums, 10,000 S. A. Nutt, good strong 4-in. in bud and bloom; we are sure this stock will please you at \$3 per 100. Cash with order please. Frank Felke, 828 Ridge Ave., Wilmette, Ill.

Geraniums, S. A. Nutt, Ricard, Beaute Poitevine, White Buchner, 2 1/2-in. 3c; 2-in., 6c; 4-in. 7c and 8c. Good, stocky plants in bud and bloom. Cash with order. Gus Schlegel, Olney, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emmaus, Newton, N. J.

Geraniums, R. C., \$10 per 1,000, Nutt, Poitevine, Ricard, A. M. Herr, Lancaster, Pa.

Geraniums, Mmc, Sallerol, 2 1/4-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, Nutt, and 5 varieties 3-inch, my selection, \$6 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, S. A. Nutt, 4-in., \$7 and \$8; 3-in., \$5 per 100. Beaute Poitevine, 3-in., \$6 per 100. Otto J. Hembreker, Lincoln, Ill.

1000 S. A. Nutt geraniums out of 3-in. pots at \$4 per 100. These are a hit leggy. Edgar Rasterday, Nokomis, Ill.

Geraniums, Ivy, 2 1/4-in., \$2.50 per 100. Hehl's Greenhouses, West Toledo, O.

Geraniums, 4-in., all colors, \$7 per 100. Calvert Floral Co., Luke Forest, Ill.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Southern Wild Smilax, Caldwell The Woodsman Co., Evergreen, Ala.

Greens, Henry M. Robinson & Co., 46 W. 28th St., New York.

HARDY PLANTS.

Hardy pinks, field clumps, \$2 per 100. Sweet Williams, field clumps, \$3 per 100; \$25 per 1,000; small plants, 50c per 100; \$3.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Hardy perennials. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Herbaceous plants. Bobbiak & Atkins, Ruthertford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea, Otaksa, pink, in bloom, 6-in., 1 head, \$3 per doz.; 6-in., 2 heads, \$4 per doz.; 6-in., 3 heads, \$6 per doz. J. William Colfish's Sons, 53rd and Woodland Ave., Philadelphia.

Hydrangeas for summer flowering, 11-in. pail-tubs, 5 to 6 leads, \$1 each; 12-in. Riverton tubs, 8 to 10 leads, \$2.50 each; 14-in., 10 to 12 leads, \$3.50 each. Jeanne d'Arc, 6-in. pots, 25c each; 10-in. pail-tubs, 75c. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Hydrangeas, two to six flowers each, 6 and 7-in., 50c, 75c, \$1 and \$1.50 each. Large plants for later blooming, in cedar tubs, 14-in. diam., \$3 and \$4 each; in butter tubs, \$1 less; extra large specimens in half barrels, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

English Ivy, the large leaved, hardy variety; splendid plants, 2 to 3 1/2 feet long, \$10 per 100; \$90 per 1,000; in lots of 5,000, \$50 per 1,000. John Irvine & Sons, Bay City, Mich.

English ivy, 2 1/2-in., \$3 per 100. The Good & Reese Co., Springfield, O.

LANTANAS.

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Harburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the Valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$13 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MOONVINES.

Moonvines, strong 2 1/2-inch, \$4.50 per 100. Joseph Hehl & Sons, Jacksonville, Ill.

MUSHROOM SPAWN.

Mushroom Spawm, Lambert's Pure Culture. American Spawm Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, H. Stanley, Sanderson Lane, Reigate, England.

Orchids, Cattleya and Lelia Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utills, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Cycas stems, dormant, 50 lbs., per lb., 10c; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs and up, 7 1/2c per lb. Vaughan's Seed Store, Chicago and New York.

Palms, For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms, For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms, McHutchison & Co., 17 Murray St., New York.

PANSIES.

Pansies, forget-me-nots, daisies, wallflowers, sweet Williams, gaillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies, W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl., 3-in. in bud and bloom, \$4 per 100. Hehl's Greenhouses, West Toledo, O.

Petunias, \$3 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

Petunias, \$1.25 per 100; \$10 per 1,000. S. D. Brant, Clay Center, Kans.

POINSETTIAS.

Poinsettias, 2 1/2-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2 1/2-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias, dormant stock plants, pot-grown, \$3 and \$5 per 100. Cash, please. Rober & Radke, Maywood, Ill.

PRIMULAS.

Primula, 2-in., frame grown, main specialty for many years, ready June 15. OBCONICA Koenigderfer and Lothmann atriulas, positively best in existence. GRANDIFLORA, 10 colors and GRANDIFLORA FRINGED, 5 colors, 2 1/2c. GIGANTEA, 5 colors, 3c. CHINENSIS GRANDIFLORA FRINGED, 11 colors, 2 1/2c. J. L. SCHILLER, Toledo, O.

PRIVET.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 in., 3c. The Dingee & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS. Fine specimen plants, 10 to 12 buds, 50c each. Cash with order. F. O. Franzen, 1476 Summerdale Ave., Chicago, Ill.

Rhododendrons, 18-24 in., named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

ROSES.

CHOICE ROSE PLANTS.

Table with columns for plant name, size, and price per 100 and per 1,000. Includes American Beauties, Pink Killarney, White Killarney, Richmond, Jardine, Uncle John.

VICTOR BROS.,

162 N. Wabash Ave. Chicago

ROSE PLANTS.

Table with columns for plant name, size, and price per 100 and per 1,000. Includes Richmond, Melody, My Maryland, Mr Maryland.

SINNER BROS.

82 E. Randolph St., Chicago, Ill.

ROSES.

Table with columns for plant name, size, and price per 100 and per 1,000. Includes American Beauties, Bride, Bridesmaid, Ivory, Uncle John, Richmond.

GEO. A. KUHLE, PEKIN, ILL.

ROSES-ROSES.

Table with columns for plant name, size, and price per 1,000. Includes Richmond, Kaiserin, Mrs. Aaron Ward, Melody.

SALVIA splendens, 2-in., pots, \$2.00 per 100; 3-in. pots, \$3 per 100.

Cash with order.

J. HENRY BARTRAM, Lansdowne, Pa.

ROSES FOR LINING OUT.

Table with columns for plant name and price per 100. Includes Orleans, Hiawatha, Lady Gay, Evangeline, Minnehaha, Miss Messman of Climbing Baby Rambler.

THE CONARD & JONES CO.,

West Grove, Pa.

NEED ROSE PLANTS?

Table with columns for plant name, size, and price per 100 and per 1,000. Includes Mrs. Taft, Killarney, White Killarney, Richmond, Melody.

WEILAND & RISCH,

154 N. Wabash Ave. Chicago.

Roses, Killarney Queen and Dbl. White Killarney, grafted, \$30 per 100; 250, \$70; \$250 per 1,000; own roots, \$25 per 100; \$200 per 1,000. Richmond, grafted, \$15 per 100; \$120 per 1,000; own root, \$7.50 per 100; \$60 per 1,000. Mrs. Taft, own roots, \$7.50 per 100; \$60 per 1,000. Radiance, own root, \$7.50 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Roses, strong, clean stock, Kaiserin Augusta Victoria, Perle, Richmond, White and Pink Killarney, own roots, out of 3 1/2-in. pots at \$6 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Roses, 2 1/2-in., Am. Beauty, \$4.50 per 100; \$40 per 1,000. White Killarney, Pink Killarney, My Maryland, \$5 per 100; \$40 per 1,000. Perle, Richmond, \$4 per 100; \$30 per 1,000. Bench plants; Am. Beauty, \$5 per 100; \$45 per 1,000. Pink Killarney, Killarney, Perle, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

ROSE PLANTS.

	Per 100	Per 1,000
American Beauty, 3-in.	\$5.00	\$45.00
Pink Killarney, bench 1-year-old	3.50	30.00
Asparagus plumosus, 1-year-old	3.00	25.00

GEO. REINBERG.

162 N. Wabash Ave., Chicago, Ill.
 —ROSES.— Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100, 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

10,000 ROSE PLANTS. Bride, Pink Killarney and Richmond. MAKE US AN OFFER on the whole lot or part and if it sounds good they are yours. They are all fine, healthy bench plants, but must be sold at once to make room for our new Rose Wilhelmina. A bargain for some one. Grab it now. HOERBER BROS., Des Plaines, Ill.

Roses, bench Beauties, \$5 per 100; \$40 per 1,000. My Maryland, 2 1/2-in., \$4 per 100; \$35 per 1,000. Pink Killarney, White Killarney, 2 1/2-in., \$4 per 100; \$35 per 1,000. Mrs. Taft, 2 1/2-in., \$6 per 100; \$50 per 1,000. J. A. Budington, 82-86 E. Randolph St., Chicago.

Roses, grafted, Mrs. Aaron Ward, \$12 per 100. White Killarney, \$12; Rhea Reid, \$12. Perles, own roots, \$3.50 per 100; 2 1/2-in. pots, \$30 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, Killarney and White Killarney, 2 1/2-in., \$5 per 100; \$45 per 1,000. Castle Grove Greenhouses, Dansville, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Pochlmann Bros. Co., Morton Grove, Ill.

Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthas. Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

ROSES. Send for New Trade List just out. THE CONARD & JONES CO., West Grove, Pa.

SALVIAS.

Salvias, Fauntleroy and Zurich, 3-in., \$4 per 100. Hehl's Greenhouses, West Toledo, O.

SEEDS.

GERANIUM SEEDS. Mammoth hybrids, our own production, single flowers, two inches to over three inches diameter. Trusses five inches to over eight inches. Insect crossed, all shades. Grand novelties. Price, trade packets, \$1 each. Richard Diener & Co., Mountain View, California, U. S. A.

SOW NOW if you want them for early Spring sales. 6 tr. Tr. Pkts. Pkts.

Begonia Bedding Oneeb, finest pink	\$2.50	\$0.50
" Gracillis luminosa, finest red	2.50	.50
" Triumph, finest white	2.50	.50

O. V. Zangen, Hoboken, N. J.

Seeds, beans, peas, sweet peas, corn, onions, turnip, radish, beet, etc. The Everett B. Clark Seed Co., Milford, Conn.

Seeds, watermelon and muskmelon. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, sweet peas. Burnett Bros., 72 Cortlandt St., New York.

Seeds, specialties, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, N. J.

Seeds, Richard Diener & Co., Mountain View, Calif.

Seeds, beets, cabbage, celery, parsley, purslanes, turnips. R. & M. Godneau, Angers, France.

SMILAX.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

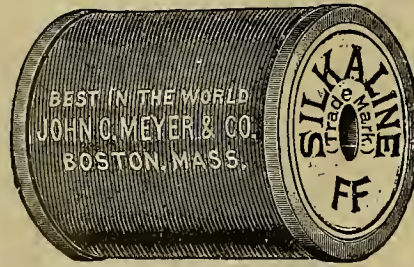
Smilax, 2 1/2-in., \$15 per 1,000. W. W. Coles, Kokomo, Ind.

SNAPDRAGONS.

Snappdragons, red, yellow, pink and white, 2 1/2-in., \$2.50 per 100. Hehl's Greenhouses, West Toledo, O.

UMBRELLA PLANTS.

Umbrella plants, 12 inches diameter, 50c each; 18 inches diameter, \$1 each. City Nursery, Santa Barbara, Calif.



The Meyer Green Silkline

The Best Thread on The Market for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass. THE LOWELL THREAD MILLS.

VEGETABLE PLANTS.

Vegetable plants, Early Jersey, Wakefield, Faultless. All Head and Succession Cabbage plants, \$1 per 1,000. Selected plants ready to plant out, \$2 per 1,000. Tomato plants, New Stone, Earliana, Matchless, Truckers' Favorite, June Pink, Beauty and others, good stocky plants, \$2.50 per 1,000. Packing and safe arrival guaranteed. Danville Floral Co., Danville, Ill.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. Sluis Seed Store, 544 W. 63rd St., Chicago.

Earliana tomato plants out of 2 1/2-in. at \$2 per 100. Edgar Easterday, Nokomis, Ill.

VERBENAS.

Verbenas, mammoth white purple, Defiance, Maydower, 60c per 100, separate colors. Gigantea, mixed with white eye, very fine, 75c per 100. Rober & Radke, Maywood, Ill.

Verbenas, 2 1/2-in. (seedlings) \$2.50 per 100. Hehl's Greenhouses, West Toledo, O.

VINCAS.

VINCA VAR. FINEST WE HAVE ever grown. 5,000 4-in. stock now ready, field-grown all last season, then benched and potted midwinter. Order now, satisfaction guaranteed. 8c and 10c. Cash please. Dobbs & Son, Auburn, N. Y.

Vinca variegata, extra strong, grown at edge of benches, 2 1/2-in., 3c; 3 1/2-in., 8c; 4-in., 10c; 5-in., 15c. Cash, please. Hehl's Greenhouses, West Toledo, O.

Vinca variegata, extra strong, 2 1/2-in., \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinca variegated, 4 and 5-in., 6, 8 to 10 long streamers, fine plants, 12c each. Cash. Gus Schlegel, Olney, Ill.

Perrywinkle, in bud and bloom, 2 1/2-in., \$3 per 100. Hehl's Greenhouses, West Toledo, O.

Vincas, big, strong, 3-in., \$5 per 100; \$45 per 1,000. C. Humfeld, Clay Center, Kans.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Richardson Greenhouse Boilers. Richardson & Boynton Co., 31 W. 31st St., New York, 66 E. Lake St., Chicago, 51 Portland St., Boston, 1107 Arch St., Philadelphia.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers, Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

BUILDING MATERIAL.

Building material of all descriptions for all cypress sash-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

W. A. Manda Uses Aphine.

All Prize Winners Do.

See advertisement on page 1172.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schilt Lumber Co., Hawthorne and Weed Sts. Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

MISCELLANEOUS.

Clara cemetery vases, 12 ins. high, doz., \$2.50; barrel of 3 doz., \$6, f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

Florists' Supplies. Henry M. Robinson & Co., 46 W. 26th St., New York.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Iron reservoir vases and lawn settees. McDonald Bros., Columbia, O.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Baskets, see advertisement elsewhere in this issue. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Raffia for florists. Vaughan's Seed Store, Chicago and New York.

Ribbons and chiffons. Werthelmer Bros., 565 Broadway, New York.

Greenhouse glass, angle and double. Baur Window Glass Co., Eaton, Ind.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



MR. THOMAS BARSON'S HOUSES AT GLOVERSVILLE, N. Y.

Mr. Barson's Frank Opinion.

"IN the past seven years you have built for me three greenhouses, which I am now using with the greatest of satisfaction. The first house, of Pipe Frame construction, which is my chrysanthemum house, was put up in 1904 and is practically in as good condition now as then. Four years ago, the rose house, also Pipe Frame, was erected and that, too, serves its purpose well.

The pride of my greenhouses, however, is the home of my carnations. This house is of Iron Frame construction, 100x43 feet, and is up-to-date in every way. Although all of my houses are satisfactory, still the

improvement in the last one erected over the one put up seven years ago is very marked and if I had it to do over again and knew as much about the houses as I do now, I would have all three of Iron Frame construction, on the same plan as my "Carnation House." I would advise the erection of this kind of house for the growing of all flowers. Right here I want to congratulate you on the skilled workmen sent to build my last house. They were the most gentlemanly lot of workmen I have ever seen together, tending strictly to their own business and showing by their efforts that they were well acquainted with the tasks assigned them."

Lord & Burnham Co.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Franklin Bank Bldg.

Chicago
Rookery Bldg.

FACTORIES:
Irvington, N. Y.
Des Plaines, Ill.

W. A. Manda Uses Aphine.

All Prize Winners Do.

See advertisement on page 1172.

Tacoma, Wash.

We hear nothing but good reports of business conditions and the call for plants is better than any previous season. Cut flowers have been somewhat short in supply, especially carnations of good quality and white or light color. Roses are always rather scarce and lately the unusually warm weather has injured, while in transit, those that come from California. There has been an unusually plentiful supply of all sorts of outdoor bulbous flowers that were good, and they have been more in demand than usual. Several places throughout the city have fine beds of outdoor tulips. One that was especially attractive was at the Tacoma hotel, containing a thousand bulbs of Rex Rubrorum, bordered with Arabis. The demand for bedding stock has been very good and many of the local florists are practically sold out already. Many more roses have been bedded out than ever before. The rose show last season started an extra call and even though the city parks gave away thousands of cuttings with instructions, most of the florists have sold out of good two-year-old plants, especially the more desirable kinds. The outdoor roses are just beginning to bloom and will help out the stores. Field planting of carnations and asters has been successful and the recent rains will be certain to make them start off right. Call for early indoor vegetables so far has been good, even though regular shipments are received from the south and California. More houses are being erected for vegetables but none for plants and cut flowers.
S. L. H.

The Manure you use in your
Greenhouse and Field
planting should be

WIZARD BRAND

TRADE MARK

PULVERIZED SHEEP - PULVERIZED CATTLE SHREDDED CATTLE MANURE

Our new Booklet for Growers
tells why—your copy is ready
for you. Ask for it on a
postal today.

Your supply house will furnish Wizard Brand if you make it plain that Wizard Brand is what you want or we will ship to you promptly—It is the best manure your money can buy.

Ask for your Booklet.

THE PULVERIZED MANURE CO.,
32 Union Stock Yards - - - - CHICAGO.



60 Years of Experience Goes Into Our Houses

You know experience is a sure teacher—also sometimes rather expensive.

Inasmuch as we have so many years' experience in the greenhouse business and have such a reputation for fine, well built, enduring houses, then what's the use of experimenting with concerns and constructions that have limited experience and must of necessity be experimenting on you?

Do you want to be experimented on?

Of course you don't! Send for our catalog and let's get down to business.

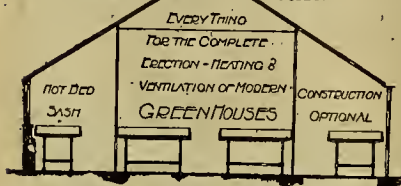
Hitchings & Co.

Elizabeth, - New Jersey

S. Jacobs & Sons

ESTABLISHED 1871

PLANS UPON ESTIMATE REQUEST



1361-1383 Flushing Ave., Brooklyn, New York

W. A. Manda Uses Aphine. All Prize Winners Do.

See advertisement on page 1172.

Albany, N. Y.

Prof. E. P. Felt, state entomologist, has just issued a bulletin on the subject of spraying to prevent the ravages of the elm leaf beetle. Trees with leaves two inches long or nearly so are in a condition for spraying. Prof. Felt writes that there is nothing better for spraying than arsenate of lead (15 per cent arsenic oxide), used at the rate of four pounds to 50 gallons of water. The solution is to be sprayed on the under side of the leaf.

This week the force under Superintendent Philip Bender of the bureau of parks has been engaged in planting flower beds in Washington park. About 10,000 bedding plants, 6,000 geraniums, 1,200 cannas, 300 palms, 300 cacti and numerous rose bushes and others have so far been set out.

Fred A. Danker, president of the Albany Florists' Club, has been confined for a week to the house with a cold that settled in his throat. He is reported to be on the way to recovery. R. D.

JACKSON, TENN.—The James & Nelson Co. is erecting a greenhouse for the cultivation of plants and flowers.

PROVIDENCE, R. I.—The regular meeting of the Florists' and Gardeners' Club of Rhode Island was held at the club rooms May 20. Prof. E. A. White of the Massachusetts Agricultural College delivered an illustrated lecture on "Flowering Perennials and Hothouse Plants."

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

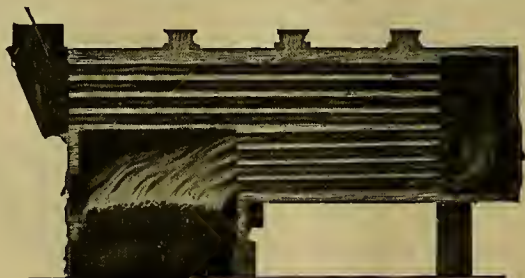
J. Jaeger, a User, Says This About a No. 5 Superior Boiler:

CHICAGO, ILL., March 12, 1912.

SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly, [Signed] J. JAEGER, 7554 Barton St.



SEND FOR CATALOGUE

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.,

Richardson Greenhouse Boilers

HOT WATER AND STEAM

Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities



Guaranteed Ratings

Economy

Ease of Management

**Send for
Catalogue
and Prices**



Established 1837.

Richardson & Boynton Co.

MANUFACTURERS,

31 West 31st St., NEW YORK

**66 East Lake St.,
CHICAGO.**

**51 Portland St.,
BOSTON.**

1107 Arch St., PHILADELPHIA.



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Mention the American Florist when writing

Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

**JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.**

Please mention the American Florist when writing

CUT FLOWER AND DESIGN BOXES
All Sizes LOWEST PRICES
Send for Catalogue
C. C. POLLWORTH CO.
MILWAUKEE, WIS.

Mention the American Florist when writing

50% SAVED. Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO
Mention the American Florist when writing

BURNED CLAY
Tile Benches and Tile Bottoms
Give results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

Mention the American Florist when writing

W. A. Manda Uses Aphine.
All Prize Winners Do.

See advertisement on page 1172.
Mention the American Florist when writing

GORHAM & CHAPLINE PRINTERY

**Class Prices on all
Kinds of Printing.**

Pontiac Bldg., Harrison & Dearborn Sts., Chicago
1000 Letter Heads..... }
1000 Envelopes..... } **\$3.50**

Mention the American Florist when writing

THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings, being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

The National Florists' Board of Trade, 56 Pine St. NEW YORK
Mention the American Florist when writing

Budding Knife Free.

See Page 1146.

Tobacco Paper "Nico-Fume" LIQUID

IS THE **STRONGEST**
BEST PACKED
EASIEST APPLIED

Furnishes the Most Nicotine for the Money!

OVER 40% NICOTINE
 By far the **CHEAPEST**
 JUST NOTE PRICES

24 sheets.....\$ 0.75	Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.	Pint.....\$ 1.50
144 sheets..... 3.50		½ Gallon..... 5.50
288 sheets..... 6.50		Gallon..... 10.50
1728 sheets..... 35.10		5 Gallons..... 47.25

Everybody is Using

Aphine

The Insecticide that kills plant Lice of every species

Dawson, V. T., Can., April 29, 1912.
 "Enclosed find money order, for which please send me by express three gallons of Aphine. The last shipment has proved exceedingly satisfactory." W. HOKKAN.

FUNGINE

Livingston, Mont., May 18, 1912.
 "I have been trying Fungine on lettuce for what is termed grey mold, and it seems to do the work. The trial has been brief, but sufficient to convince me that it is all right for this purpose. Please let me know the nearest supply point to me."
 EDGAR PHINNEY.

FOR SALE BY SEEDSMEN
 Manufactured by
Aphine Manufacturing Company
 MADISON N. J.

Why Not You?

Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.
 Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure, An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards, clovensford, Scotland.

Mention the American Florist when writing

D. D. Johnson's Celebrated

EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

Copyright and Registered U. S. Patent Office, 1910.
 All rights reserved by

United Fertilizer Company
 Manufacturers

143 North Wabash Avenue Chicago, Ill.

Mention the American Florist when writing

MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
 12 W. BROADWAY
 NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.
Mention the American Florist when writing.

green Flies and Black ones too

are easy to kill with
The Fumigating Kind Tobacco Powder
 \$3.00 per bag 100 lbs.
 Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
 THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

NIKOTEEN

The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. Full pint bottles, \$1.50.

APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. **ALL SEEDSMEN.**

Prepared by THE NICOTINE MFG. CO., St. Louis, Mo

Mention the American Florist when writing

Garden City Sand Co.

Chamber of Commerce Bldg.. CHICAGO.
 Phone: Main 4827.

Building and Propagating Sands
 Fire Brick and Fire Clay, Portland Cement
 Stonekote, Hard Wall Plaster
 R. I. W. DAMP RESISTING PAINT

Mention the American Florist when writing

Budding Knife

Free

See Page 1146.

Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

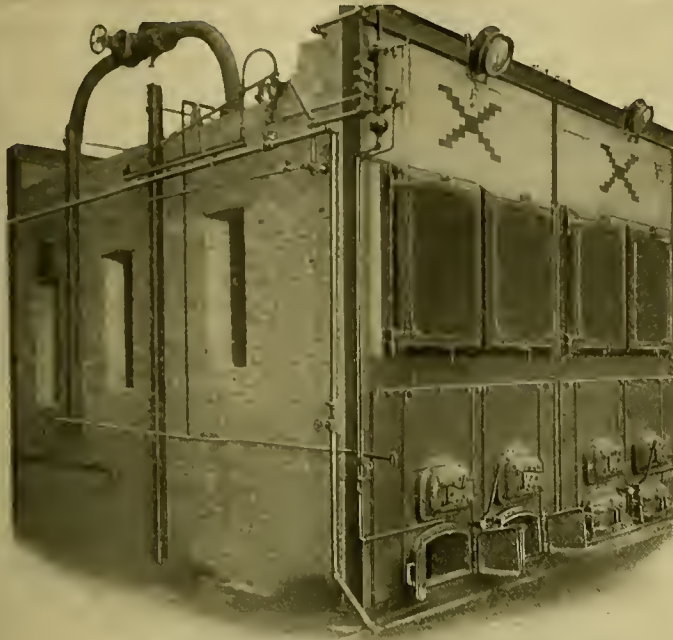
FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES
\$3 per 100 lb. bag
 Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
 713 1st. Ave., New York

Mention the American Florist when writing



Greenhouse Installation of two 300 H. P. Freeman Horizontal Water Tubular Boilers.

For Information Address Dept. "B"

CAHALL SALES CO.
435 Marquette Building
Chicago, Ill.

THE LARGEST FLORISTS IN
THE WORLD

POEHLMANN BROS. CO.
of Morton Grove, Ill.

use

20 FREEMAN BOILERS

Manufactured by

S. Freeman & Sons Mfg. Co.
Racine, Wis.



QUALITY.

KING GREENHOUSES

We furnish all kinds
of Greenhouses:

King Tubular Iron Frame,
King Flat Rafter Iron
Frame,
King Semi-Iron Frame,
King Private Conserva-
tories.

All designed to suit
all requirements.

We also furnish
Ventilating Machinery,
Pipe Bangers,
Shelf Brackets,
Iron Gutters.

Special Greenhouse Paint & Putty,
as well as
Boilers and Piping for heating.

King Construction Co.,

Head Office and Works:
NORTH TONAWANDA, N. Y.

Eastern Sales Offices:
No. 1 Madison Ave., NEW YORK.

Hot-Bed Sash, Too.

SUPERIOR QUALITY

SINGLE AND DOUBLE

PROMPT DELIVERY

Greenhouse Glass

Be Sure To Write Us For Prices
Before Placing Your Order.

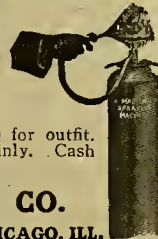
BAUR WINDOW GLASS CO, Eaton, Ind

SPECIAL OFFER

That every one may know the superior
qualities of the

Mastin Spraying Machines

We will sell for a short time
F. O. B. Chicago, Ill., Cash
to accompany the order,
one 3-Gallon Mastin Steel
Spraying Machine Complete
for \$4.97, and give you one
Mastin Whitewash Nozzle
and one Extension Rod,
Free. Regular price \$7.80 for outfit.
Write name and address plainly. Cash
must come with order.



J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.
Mention the American Florist when writing

REED & KELLER, 122 W. 25th St., NEW YORK. FLORISTS' SUPPLIES.

We Manufacture all Our
Metal Designs, Baskets, Wire Work,
and Novelties, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

ALL Nurserymen, Seedsmen and Florists wishing
to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly
by all the horticultural trade; it is also taken by
over 1000 of the best continental houses. Annual
subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, appli-
cants should, with the subscription, send a copy of
their catalog or other evidence that they belong to
the nursery or seed trade.
Money orders payable at Lowdham, Notts.

Address Editors of "H. A."

Chilwell Nurseries, LOWDHAM, Notts, England

H. BAYERSDORFER & CO.

**Florists'
Supplies.**

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.



Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

Stocks Carried

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatam, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

W. A. Manda Uses Aphine.

All Prize Winners Do

See advertisement on page 1172.

Denver, Colo.

Since Mothers' day there has been a good demand for flowers of all kinds. At no time has there been enough to fill all orders, and on some days not half enough. The weather has been warm, so that stock is received in large quantities, and the prospect is that Memorial day business will be taken care of much better than was expected a week ago. There are plenty of lilacs, some early peonies, columbine, spirea, etc. Altogether there is really a good supply, but the demand is also large. Orders keep piling up deeper and deeper. Everyone seems to think he should be the favored one and get ten to fifteen times as much as ordinarily, but the only just way is to divide up and give every one a chance.

NOTES.

Last week a well-known retailer advertised for a boy. A fond mamma of the kind who thinks "it must be so nice to work among the flowers" called up next day, but when informed what the boy would be expected to do, queried anxiously: "Would he have to work long hours? Would the work be hard? Would he have to work Sunday?" But the hard-working florist could stand no more and volunteered this information: "Yes, madam, he would have to work and work hard every day and Sunday, too. Keep your boy at home. We don't want any 'mothers' darlings' in the florist business!" Bing!!!

Thomas D. Long was stricken seriously ill with appendicitis Tuesday evening, May 20. He was taken to St. Joseph's hospital. His condition was considered critical for a time, but he is now improving. Mr. Long is one of the best-known florists in Denver. Emil Glauber reports that he has the largest crop and finest roses he has had this year.

N. A. Benson has a full crop of fine stock.

F. C. Maler is bringing in some fine carnations and in quantity. T. W. H.

NEWPORT, R. I.—A. T. Bunyard is the first of the out-of-town florists to open his store in the Abraham's block.

More Kroeschell Boilers and Generators used for greenhouse heating than any other make

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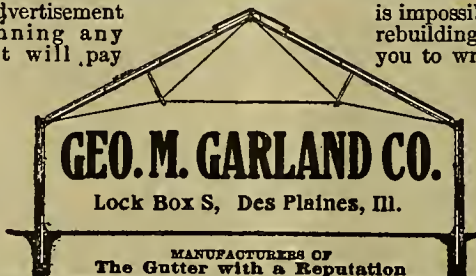
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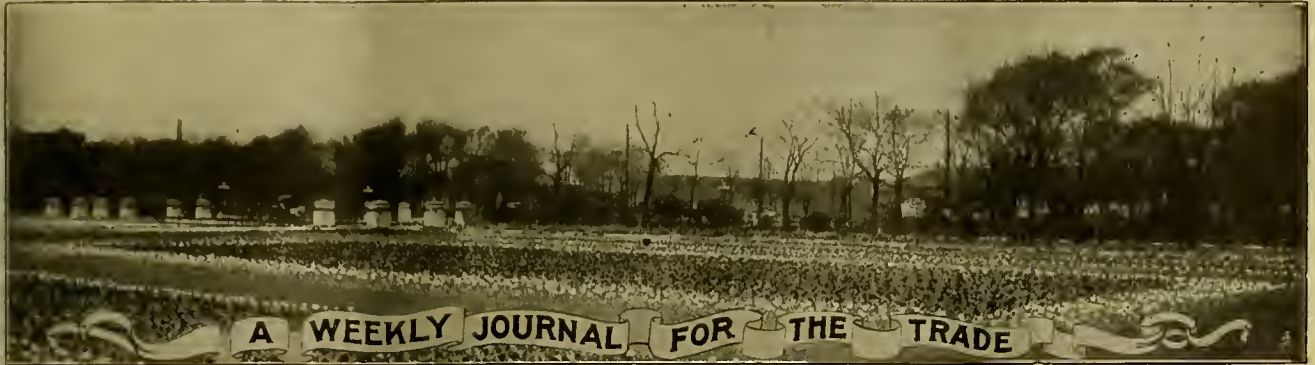


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Vol. XXXVIII.

CHICAGO AND NEW YORK, JUNE 8, 1912.

No. 1253

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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ROYAL INTERNATIONAL EXHIBITION

Held at the Chelsea Hospital Grounds, London, Eng., May 22-30, 1912.

A New Flower Show Record.

Just over three years ago, in April, 1909, a suggestion was made in the Gardeners' Chronicle that it was time an international exhibition was held in London. The seed, thus sown in printer's ink, began to germinate, at first slowly, then more quickly, until at last it blossomed forth under a properly constituted business committee and has at last shed its luster over London. From May 23 until May 30, what is universally admitted to be the finest display of horticultural skill took place on the banks of the Thames, in the historic grounds of Chelsea Hospital, with Battersea Park on the opposite side. From a spectacular point of view the exhibition was simply perfect and was veritably a feast of flowers in the fullest sense of the word. There was not a badly grown plant in the show and the rock-gardens were simply a revelation as to what the British gardener could do when given plenty of space to lay himself out. And yet, at a so-called conference on "Horticultural Education," held May 23, one would have thought to hear the remarks of some self-constituted "scientists" that the professional gardener was one of the greatest fools outside a madhouse. He required to be taught his business, according to some of the speakers who had never grown a plant in their lives. However, I am not concerned with these people at present.

To give some idea of the extent of the exhibition, it may be mentioned that it stood upon about 20 acres of ground, according to the official plans, but it was generally said to occupy 27 acres. The largest tent occupied a space of nearly four acres (nearly 20,000 square feet), and evoked the admiration of everyone. The remaining part of the canvas covered about another four acres, but the tents were of much smaller dimensions.

The rock gardens were set quite apart from the canvas department, and covered some 10 to 12 acres of ground, including pathways. Here the greatest ingenuity was displayed by the various exhibitors. Some chose to display their wares upon the almost level ground, some on the sides of grassy

banks, some in nooks in the shrub-beries, while others again took a fancy to the hollow places. Indeed, it is impossible to give an adequate impression in words of the wonderfully realistic arrangement of these rock gardens, and I must leave the later photos to supplement what I cannot express in the way of praise for the great science and skill of the gardeners who designed them. Taking the rock gardens as a whole, something like 2,000 tons of stone must have been used and was so artfully arranged that one could readily imagine the boulders to have been in position for centuries instead of a few days. There were pools of sparkling water, with gold fish and water lilies and bog plants at the margin; there were winding pathways up the mountain side, and there were mountain torrents running down the hillside, dashing themselves into sprays against overjutting rocks ere they reached the silent pool beneath in the valley. Water, of course, was laid on for this particular purpose, but was so carefully concealed that visitors were completely overwhelmed with astonishment at what they saw. The cost of erecting these enormous rock gardens must have been immense. One exhibitor told me that he had used over 70 tons of stone and that £300 would not pay his expenses. Another still larger rock garden used up over 100 tons of stone and the expense was well over £400. It will thus be seen that the exhibitors did not stint themselves in their outlay, and the figures given may even astonish American exhibitors, who, I understand, are accustomed to big things in the way of expense at their own shows. Two or three of the rock gardens covered over one-fifth of an acre (8,000 sq. ft.) each, and even the smallest was of much greater dimensions than we are usually accustomed to see at exhibitions in England.

It cannot be said that the inducement to exhibitors was very great so far as money prizes were concerned. Casting up the cash prizes in the official schedule of the show, only a little over £490 was offered. Considerably over 200 silver and silver-gilt cups, however, were offered and about

100 gold medals. In addition to these, there were any number of silver and silver-gilt medals available for the minor exhibits. There were 428 different classes in the schedule, but a much larger proportion than one would have imagined were not sufficiently attractive to find entries.

The exhibits were divided into 10 main groups, namely, stove plants, palms, cycads, etc., orchids, ferns and selaginellas, greenhouse plants, roses, carnations and pinks, hardy plants, new plants, fruit, vegetables and miscellaneous.

The international character of the exhibition, although not very extensive, was brought out by exhibits from France, Belgium and Holland, for each of which a special tent was provided. America was also well and truly represented by W. A. Manda of South Orange, N. J., who walked off with a few of the prizes for stove and greenhouse ferns, stove and greenhouse plants (first in each case), second prize for 50 orchids in not less than 25 species, and third prize for varieties and hybrids of laelia, cattleya and brassavola. He also won the prize for palms, the fine large specimens of which were one of the features of the big 4-acre tent before referred to.

Japan stood in a corner by itself in a tastefully arranged building octagonal in shape and of quite Japanese design, with thatched roof, trellis work, etc. The interior was decorated with exhibits of ancient looking and distorted specimens of Japanese conifers, oaks, maples and other specialties that are usually so well arranged by Alfred Dimmock for the Yokohama Nursery Co. There were specimens of giant bamboos and confections made from the fruits of the Japanese plum (*Diospyros Kaki*), which seemed to be highly appreciated by the public who partook of them.

Canada also had a fine building to itself, in which some highly-colored specimens of apples were displayed to great advantage in carefully packed baskets. There were also many kinds of Canadian fruits preserved in glass jars and bottles to show how long they could be kept without being eaten.

The commonwealth of Australia was represented by apples, grapes and preserved fruits in a separate building, the walls of which were decorated by Australian landscapes, representing fruit growing in various colonies.

Coming to the most conspicuous groups of exhibits in the show, perhaps orchids deserve the first place amongst the flowering plants. They occupied a large tent to themselves, and from morning till late at night (the exhibition was open until 10 p. m.) streams of visitors admired them with wondrous gaze. Even the old red-coated pensioners were dumfounded with their beauty, and one old chap who had traveled far and wide, exclaimed: "I never thought there was such extraordinary plants on the face of God's earth!" And in a sense the old fellow was quite right, for the primary and secondary hybrids were in powerful numbers and bore testimony to the wonderful creations of man as distinct from those of nature.

The king's prize—a beautiful silver cup, the largest of all the prizes, standing quite two feet high—was won by Lieut. Col. Sir Geo. Holford, Westonbirt, Gloucestershire, for the best exhibit in the show. This was a magnificent bank of orchids, covering about 1,100 square feet and contained some of the finest grown plants one could wish to see, every one a "specimen" as

gardeners say, and not a blemish among them. *Laelio-cattleyas*, *Brassocattleyas*, *cymbidiums*, *dendrobiums*, *cyripediums*, *phalaenopsis*, *renantheras*, *odontiodas* and *Miltonias* composed the group, but a fine plant of *Oncidium Marshallianum* with 50 spikes of bright yellow flowers stood out conspicuously overhead.

Sander & Sons, St. Albans, staged what I, personally, considered to be the finest group of orchids from a spectacular point of view. It filled some 700 square feet and was so arranged in bays and columns, with splendidly grown plants, that the effect was simply splendid. Overhanging the bays were fine baskets of *Phalaenopsis Rimestadtiana* with *Renanthera Imschootiana* mixed with *Polypodium ferns*. Amongst the plants in this group we noticed some fine hybrid *odontoglossums*, *odontiodas*, *Miltonias*, *vandas*, *laelio-cattleyas*, *aerides* and several other standard orchids.

Charlesworth & Co., Haywards Heath, backed Sander & Sons' group with one almost equally magnificent, and of equal dimensions. This firm is well known for its many beautiful orange-colored hybrids and these were as usual in great evidence, the deep red *odontiodas* and many heavily blotched *odontoglossums* being conspicuous. *Miltonias*, *cymbidiums*, *phalaenopsis*, *oncidiums*, *renantheras*, *cyripediums*, etc., made up a group which secured the gold medal offered by Mons. Lambeau of Brussels for the most interesting collection of hybrid orchids raised by the exhibitor.

Stuart, Low & Co., Bush Hill Park, Enfield, won the gold medal in the class for the best and most varied group of species and varieties (hybrids excluded). This covered 200 square feet, and contained masses of *phalaenopsis*, *cattleyas*, *renantheras*, *dendrobiums*, *cyripedium niveum*, etc.

Armstrong & Brown, Tunbridge Wells, secured Baron Bruno Schroeder's cup for the best and most varied group of hybrid orchids. It covered 200 square feet and contained some fine forms of *Laelio-cattleya Fascinator*, *Canhamiana*, *callistoglossa*, *aphrodite*, *hyeana*, etc. J. Cypher & Sons, Cheltenham, came second and secured a silver gilt cup. These two firms met in other classes with varying luck, but their plants were of high merit. Mansell & Hatcher, Leeds, staged 500 square feet of orchids and secured a gold medal. They arranged their plants in conical groups, and used *Laelio-cattleyas* (especially *Fascinator*), *Oncidium Marshallianum*, *cymbidiums*, *odontoglossums*, *odontiodas*, *renantheras*, etc., with great effect.

Sir Jeremiah Colman, Bart., Reigate, came second to Fergus Menteith Ogilvie, Oxford, in the amateur class for the best and most varied group of orchids in a space not exceeding 500 square feet. The first prize was a cup and £10 presented by Sander & Sons, the second being a cup and £7, offered by Charlesworth & Co. The first prize group contained finely-grown *cymbidiums*, *epidendrums*, *cyripediums*, more than 300 forms of *Odontoglossum crispum*, some fine *Cattleya Mossiae*, several *Brasso-cattleyas*, *dendrobiums*, etc. Sir J. Colman's collection was remarkable for fine varieties of *odontoglossums*, chiefly of the white crispum type, several *odontiodas*, *Miltonias* and such botanical things as *Catasetum Cliftoni*, *Bulbophyllums*, *Restrepias*, etc.

At large London shows a big group of *Vanda teres* is a kind of trade mark of Mr. Leopold de Rothschild, of Gun-

nersbury Park, Acton. He arranged a splendid bank of this somewhat fastidious orchid, something like 700 spikes being open when the plants were exhibited.

H. Dixon, Spencer Park Nursery, Wandsworth, made his first appearance almost in competition and won the first prize (gold medal) in the class for 50 orchids, against Mr. Manda, who was second, and got a silver cup.

S. Flory, successor to the late H. Tracy, of Twickenham, exhibited a nice little group, and Gurney Fowler had a group arranged with conical masses of *Selaginellas* in a unique manner. *Odontoglossum crispum* was the chief kind shown in this way.

There were several continental exhibitors of orchids, including M. Lambeau, Brussels, with several varieties of crimson-blotched *Miltonias*; M. Grier, Amiens, with seedling *odontoglossums* and *odontiodas*; M. Maron, Brunoy, France, with hybrid *cattleyas* and *brasso-cattleyas*, etc.; M. Dietrich, Brussels, with *cattleyas*, *Miltonias*, *odontiodas*, *odontoglossums*; and M. A. A. Peeters, Brussels, with a fine mass of *Renanthera Imschootiana*, and hybrid *Miltonias* of the *Memoria G. D. Owens* type.

Stove and greenhouse plants are slowly but surely being forced out of existence by the strenuous competition from the hardy herbaceous section. Nevertheless, they are still grown in sufficiently large numbers to make a fine display. Without doubt, the most gorgeous plants in this exhibition were the *Hippeastrums* (*Amaryllis*). These brilliant *Amaryllids* were shown by only a few exhibitors, two amateurs, viz.: Lieut. Col. Holford and J. A. Kenrick, Berrow Court, Edgbaston, Birmingham; and three in the trade, viz.: Kerr & Sons, Aighburth, Liverpool; Bull & Sons, Chelsea, and Veitch & Sons, Chelsea. Col. Holford's exhibit was undoubtedly the finest of all, but it must be remembered that his plants are grown on from year to year and the bulbs attain a size and vigor that is impossible in a trade collection from which plants are being sold every day. In the class for 200 square feet, Col. Holford won the first prize (gold medal), Kerr & Sons coming second with a silver cup. The winning plants were luscious in growth and had magnificent leaves and immense flowers. Among the best of the white varieties were *Elsie*, *Whitewings*, *Ursula*, *Snowdrift* and *Thisbe*. The orange-scarlets included *Titus*, *Laus Veneris*, *Gereant*, *Phoebus* and *Pirate*. The deep crimson reds were rendered conspicuous by such kinds as *Shylock*, *Robin Hood*, *Hermes*, *King Arthur* and *Chameleon*. In addition to these the white grounds barred and feathered with crimson were represented by *Apollo*, *Pretty Polly*, *Flamingo*, *Snowdrift* and *Castor*.

Kerr & Sons' group contained *Persephone*, white ground with carmine veins; *Empress*, deep velvety crimson; *Fire King*, crimson scarlet; *International*, orange-scarlet, flushed with violet; and *Magenta Queen*, with magenta sheen over the crimson ground.

The most noticeable kinds in Bull & Sons' group were *King George*, deep crimson; *Harmony*, crushed strawberry, and the *Pearl*, white, shaded with green. Mr. Kenrick's collection was unnamed.

J. Veitch & Sons' group was remarkable for its substance and brilliance, and was chiefly of the deep crimson tints. It formed part of a mixed collection.

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TO VICTORIA STATION

← TO SLOANE SQUARE

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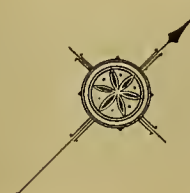
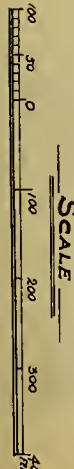
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GENERAL PLAN
OF
GROUNDS

WEST GATE
GENERAL PLAN OF THE LONDON INTERNATIONAL EXHIBITION OF 1912.

James B. Dickson

As might be expected at the time of year, crotons made a good figure, and Fisher, Son & Sibray, of Sheffield did themselves justice in a fine group of 200 square feet. Some of the newer kinds included Heathpendula, Duke of Portland (one of the best yellows), Countess of Donoughmore, and a sport from the older Victoria. J. Veitch & Sons also exhibited these plants in a mixed collection.

Caladiums were shown principally by J. Peed & Sons, Norwood, who are famous for this class of aroid and are always to be relied upon to make a good show. One variety (Silver Queen) attracted attention by its large silvery leaves, which were faintly edged with red. W.

A Dallas Decoration.

The elaborate decorations at the Coliseum, Dallas, Texas, May 31, on the occasion of the convention of the Associated Advertising Clubs of America, were carried out very effectively, as shown in the illustrations herewith, by the Texas Seed & Floral Co. This, up to the present time, it is believed, is the largest social reception and ball of its kind given in the south. There were over 6,000 guests. Over 10,000 yards of painted canvas was used to screen entirely the side seats of this large Coliseum, which is over 200 feet long and 150 feet wide. Over 3,000 decorative plants were used, 1,000 silk garden lanterns, 3,000 feet of lattice work three feet wide, making an entire roof over this garden, and over 250 feet of marble railing, newel posts, vases, etc. Also 50 garden vases in this large reception hall, which was decorated with blooming plants, ferns, etc. The grand entrance was all in marble with a marble stairway.

The Texas Seed & Floral Co. spent several thousand dollars on this decoration and did not intend to make a profit, making this a part of its contribution to the publicity campaign for the southwest and for the entertainment of the visitors.

DANBURY, CONN.—E. E. Mathewson opened a new flower store at 241 Main street, May 24.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

The Smart Bouquet of the Moment.

The old-time primness reigns in bouquets of all kinds. Some remarkable and striking combinations are used in the pyramid style. One carried by a bride recently had a small cluster of orange blossoms in the center of a pyramid. Around this was circled an arrangement of white sweet peas. This in turn was circled with tiny white rose buds just breaking, and this finished with a loose circle arrangement of lily of the valley. Asparagus vine was used as a green finish, while a full wide ruche of chiffon ribbon was artistically placed in a circle around this green. Streamers of this chiffon ribbon were attached, among which tiny rings of sweet peas were interspersed. The bridesmaids wore the "Mayfair" corsage, viz.: a knot made of varicolored flowers. Pink sweet peas were in the center; lavender sweet peas came next and then a row of pale pink roses (buds just breaking). The knots also had streamers made of pink sweet peas tied with pale pink and pale lavender ribbons.

For the sweet girl graduate a pretty arrangement of the pyramid is obtained by using forget-me-nots in the center, then circled with the paler shade of cornflowers in a full cluster effect, then another row of forget-me-nots and then a final row of fullness of the darker shade of cornflowers. Use the buds of the cornflowers very generously in this arrangement. For the ribbon use the two shades of blue in the cornflowers. Ruche this around finished pyramid; also wind ribbon around the tinfoil and allow two loops to extend below it. This when thoughtfully arranged is very effective.

Again, the pyramid is very striking, made of pink and red geraniums, using paler pink gauze ribbon around each tier, or row of flowers, which must always be in cluster arrangement, using this instead of the green. Or, if the ribbon is not so desired, use the green twigs of the geraniums in good cluster effect. Ruche the pink and red colors

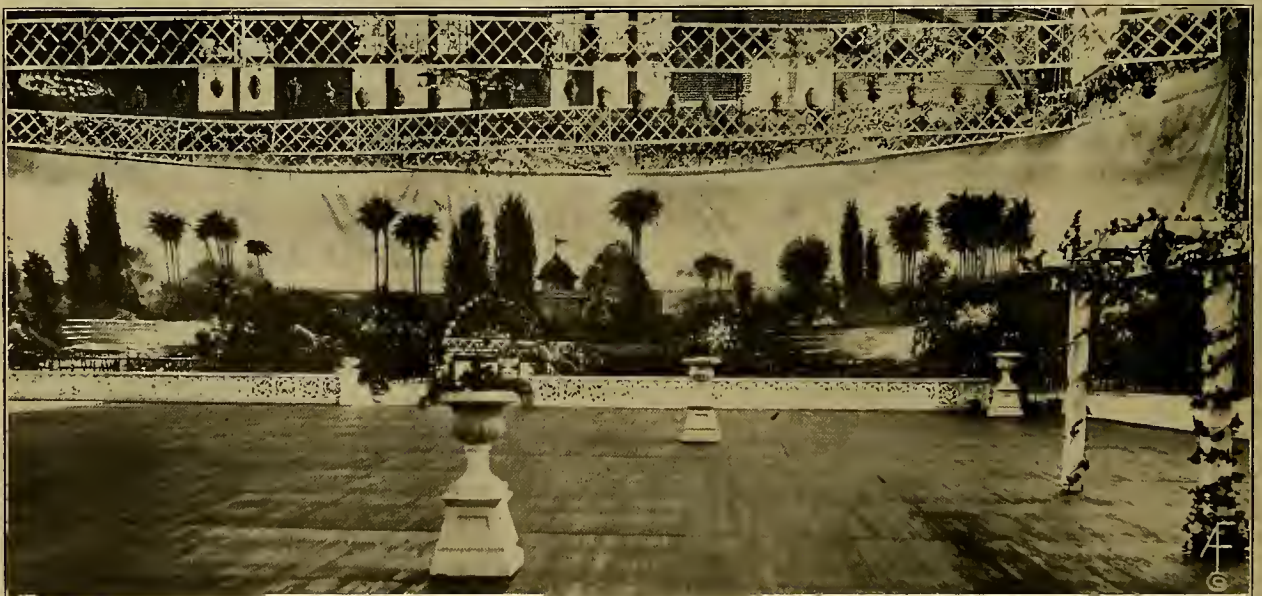
in a gauze ribbon around base as a finish. Yellow roses, combined with yellow daisies and the paler blue cornflowers, makes an attractive pyramid. Also, the cornflowers arranged with a center pyramid of lily of the valley is striking, used with streamers of blue and white ribbon. Violets and pansies are also good in the pyramid; also violet and forget-me-nots. Violets encircled in pale pink rosehuds just breaking, using the rose foliage as a finish, will show up well. Use pink gauze ribbon to harmonize with roses.

For the bouquet on the reception table, make a pyramid tree of half-blown buds. Plant this in a Dresden pot. Of course, the buds must be arranged closely together and the stems kept fresh with wet moss. These Vauxhall trees, as they are sometimes called, are also pretty for the bridal table instead of the bouquet arrangement. Made of pale pink roses or even the big American Beauty are most beautiful.

Take the oblong table, for instance, make a basket of American Beauty roses for the center, using the pyramid effect in the arrangement, but not the tall pyramid, but rather low in center and increasing to height at side to meet a Vauxhall tree made of American Beauty roses. Arrange the base with maiden hair ferns, placing American Beauties flat on the table on either side of oblong basket, but not where the trees are finished with maiden hair. This is very rich and beautiful in effectiveness, especially where a large banquet table is to be arranged or the buffet table.

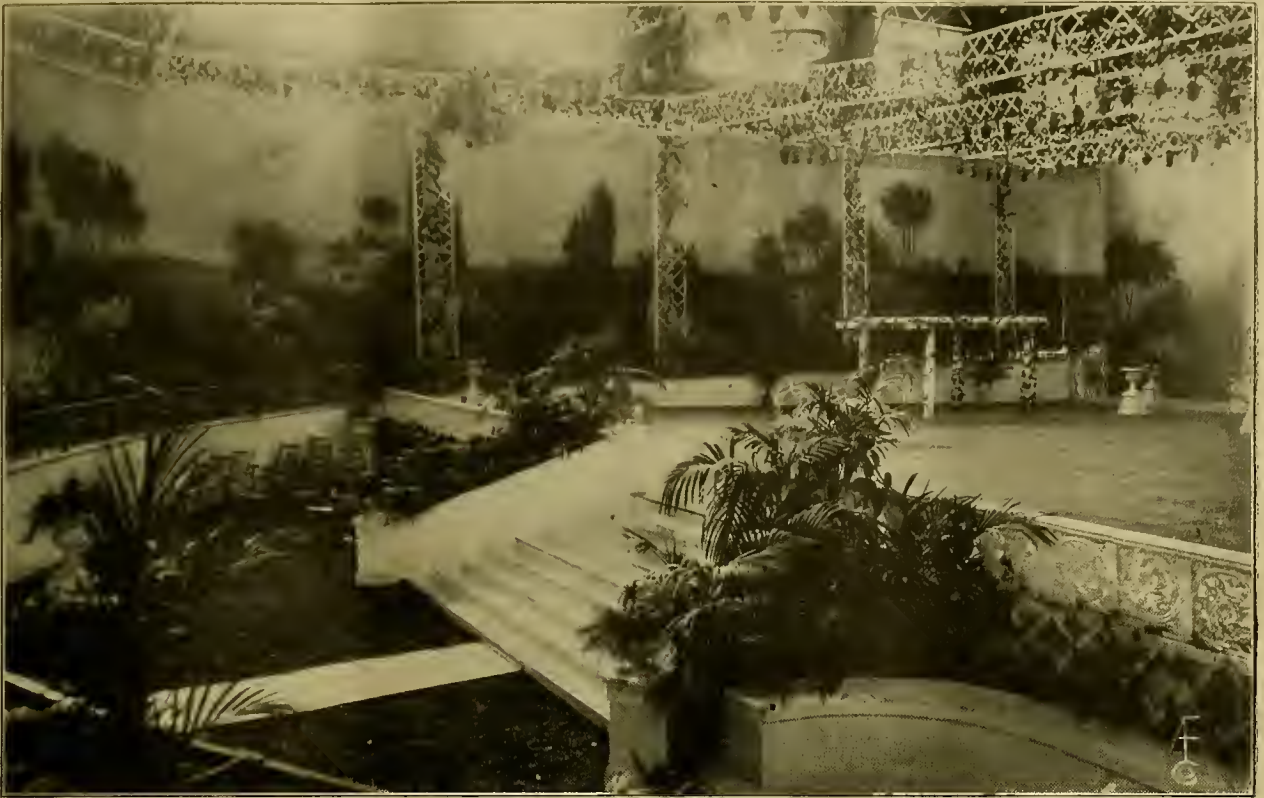
The buttonhole bouquet of the moment is huge in size and is also of the knot or pyramid design. It is made with a single bright bud in the center surrounded with a contrasting flower in two, three and sometimes four different varieties.

The conventional shower bouquets are still extensively used, but the up-to-date wedding or social affair demands something different all the time, and it taxes the ingenuity of the florist to devise something different and something more attractive each time. However, the pyramid is the vogue at all the swell eastern functions. A. E. KLUNDER.



A DALLAS DECORATION.

By The Texas Seed & Floral Company.



A DALLAS DECORATION.
By The Texas Seed & Floral Company.

CHRYSANTHEMUMS

Exhibition Blooms and Plants.

The experienced grower of chrysanthemums for exhibition cut blooms figures that it is to his advantage to be able to get his plants into their permanent quarters at as early a date as possible and aims to have this part of the work finished up by the middle of May. By so doing he is able to have his plants thoroughly under control before the very hot weather sets in. One great advantage of early planting is that by the middle of June the root action of the plants will be in thorough control of the soil together with a corresponding development of the wood. A fine condition with which to start the summer. It is useless to attempt to grow chrysanthemums for exhibition unless they are treated liberally. They require the highest state of culture with a close watch of every little detail. Plants that are to be grown in pots entirely through the season should now be in condition to be given their final potting into 7-inch, 8-inch or 9-inch pots according to the growth and strength of the plants. Varieties with small foliage and light growth can be grown in 7-inch pots, but those varieties that have heavy strong growth must be given the larger size pots. The compost for the final potting or benching, whichever the case may be, should be the best that can be procured, made up of one part manure to three parts soil and of rather a coarse nature, potting the plants as firmly as possible, and with the bench stock making the soil good and firm by treading it down before setting the plants. These plants must also be given ample space for their proper development; twelve

inches apart each way is none too much for varieties of heavy growth and foliage, and they must be allowed at least seven feet of head room. Almost directly after being given their final shift they will require attention as regards staking and supports. This must be done as quickly as they show the need of it.

The large specimen bush plants and standards will also require to be shifted into their flowering pots at this time. These also require a live rich soil similar to that used for the cut bloom plants. These plants should also be potted firmly, using care not to overwater directly after potting before the roots have a chance to get hold of the soil. It is also very important that these plants be given ample space at all times for their proper development. Plenty of light and air are also essential for their welfare.

The early commercial varieties should also be planted into the benches as soon as they can be, particularly Golden Glow and Smith's Advance, if very early flowers are expected of these varieties. They need a good live soil but not as rich as that advocated for the exhibition stock. It is well to arrange the planting of these very early varieties so that the blooms can be shaded as they commence to develop during hot bright weather. The stock of the midseason varieties should receive attention as they need it, as regards shifting into a larger size pot, if there is any danger of their becoming hard before the time for planting them comes around. Also follow up the working up of the stock of the late varieties and pay particular attention to keep all of the plants free from aphids by continued spraying or fumigating. C. W. JOHNSON.

PLANT NOTES.

Peonies.

The work on these plants is not finished by any means when the blooms are cut, for they must be taken care of to insure a good crop for another year. Where the plants are grown in rows the constant traveling has packed the soil down hard and the ground should be given a good cultivation in order to lighten it up. The weeds should be kept down all summer and not allowed to rob the soil of its richness. If the plants were severely cut in harvesting the bloom, so that there is not much foliage left on the plant, it is well to spread a mulch of strawy manure on the surface. This is often the case with the officinalis varieties which do not make the heavy growth of the later varieties, and as it is natural for the roots of the peonies to have the shade of the heavy foliage of the plants during the summer, the cutting of the stems and foliage of these varieties robs the roots of this, and a mulch that will protect the ground from the hot summer sun is very beneficial and will also reduce the labor of weeding. Any old blooms left on the plant should be cut and thrown away. Plants that have become broken down by high winds or heavy rains should be tied up in shape.

Small Ferns.

The fern spores that were sown in late winter should now be in condition to transplant into flats. It will be difficult to separate the plants yet into individual specimens, but little clumps can be lifted with a toothpick and planted in flats about an inch apart. The flats or boxes should not be deep,

about an inch and a half of soil is sufficient. The soil should be composed of two parts live loam and one part leaf mold, with a generous sprinkling of sand and sifted through a fine sieve. The flats should be placed in a moist house that is well shaded, and the walks kept well wet down all through the hot weather. If a nice warm moist temperature is maintained, the plants themselves will not require much watering, only light sprinklings, and they will very rapidly root into the new soil and send forth their fronds. If the grower has not grown his own ferns, it is a good time now to place an order for them with the fern specialists, for they can be purchased at very low prices and they are very easily grown on, and where there are many fern dishes to be filled in the fall, the difference in cost of the young plants lifted from the flats in mid-summer and those purchased out of small pots in the fall is considerable; plants that will cost three and four dollars a hundred at that time can now be obtained for one-third of that amount, and a thousand or more of this small stock does not take up much space and will be disposed of before the bench room is needed in winter.

Cinerarias.

The sowing of cinerarias is better done in June than later. Many postpone this until July, but during the extremely hot days of that month it is often difficult to obtain good germination, and the seed pans or boxes will have to be watched carefully or they will become dry and the young seedlings burn off. The soil should be well shaded until the young seedlings show themselves, when the shade should be made lighter. As soon as the plants have one or two well defined leaves, they should be potted in small pots and given a nice airy position near the glass, which should be shaded, but care should be taken that the young stock does not get drawn. Always bear in mind that the one thing in growing cinerarias to be on the watch for, is the aphid. These insects quickly infest these plants and rapidly suck the life out of them. Con-

stant fumigation will keep them in check, but if not attended to regularly it will be time and money thrown away to attempt their culture. Cineraria hybrids is the variety most grown, and these are obtainable in some elegant strains with large high-colored flowers. The cineraria stellata is a much larger and more rapid growing plant which is very showy, but is not so well adapted for house culture when in flower.

Solanums.

These little Christmas plants should not be allowed to stand around in the hot greenhouses badly pot bound and drying up every day, for they will grow hard and it cannot be expected to obtain a good plant under these conditions. They will stand lots of abuse and do fairly well, and that is the reason probably that they are so often neglected during these busy days. But it is much better to plant them out in the field than to carry them along in this condition. They can be easily handled in this manner, lifting them early in the fall. They will need to be kept pinched back into shape—any strong leading shoots should be cut back when they are soft. They can be planted fairly close together and will need frequent cultivation. If there is no suitable outside location where they can be planted out they can be plunged in a frame and potted up as it becomes necessary, but outside treatment of some kind is far preferable to the greenhouse, which is too warm, unless shaded, and they make better growth and bloom more freely in the bright sunlight.

Primulas.

The young primulas that were sown early should now be in 3-inch pots and be given as cool and airy a location as possible. To get the best growth on these plants, they should never be subjected to great heat, for the species are naturally a cool growing plant on the edges of the woodland in their native state. Outside in a frame with a lath covering is the best place that they can be grown, the pots sunk in the soil even to the rim. In potting

these plants they should be placed in the soil deep enough for them to stand firmly; they will not stand deep potting, but many growers do not pot them deep enough, and they frequently get turned over sideways during the watering. They must be watered carefully and preferably with a can with a fine rose. The later sowings will have to be carried on in the houses until they are large enough to be placed outside. They will have to be shaded, but do not shade them heavily enough to cause them to get drawn.

Buffalo.

CARNATIONS TOO HIGH.

Decoration day, as usual, was rainy, clearing up in the afternoon, but rather late for people who were going away for the day. Trade was about as usual in the down town stores, while the greenhouses near the cemeteries were rushed with work until Wednesday. The rain on Thursday morning curtailed the sale of cut flowers and left the stores over-supplied. Stock was equal to all demands, including tulips and lilac. Carnations, as usual, were away up in price on Monday, ending with a surplus offered at a sacrifice, with few buyers. Some day the growers and wholesalers will find that galax and magnolia wreaths can be sold at a fair price, limiting the sale of cut flowers. Roses could be bought as cheap as carnations in quantity and were good substitutes. Funeral work has been fair, while June has started in with a big list of weddings and receptions, which with school commencements will give all a busy month.

NOTES.

The opening of the Third National bank in its enlarged building and the enlarged Lafayette hotel gave the florists a good sale on American Beauties and other flowers.

S. A. Anderson and wife and Joseph Sangster and wife have had a fishing trip in the wilds of Michigan.

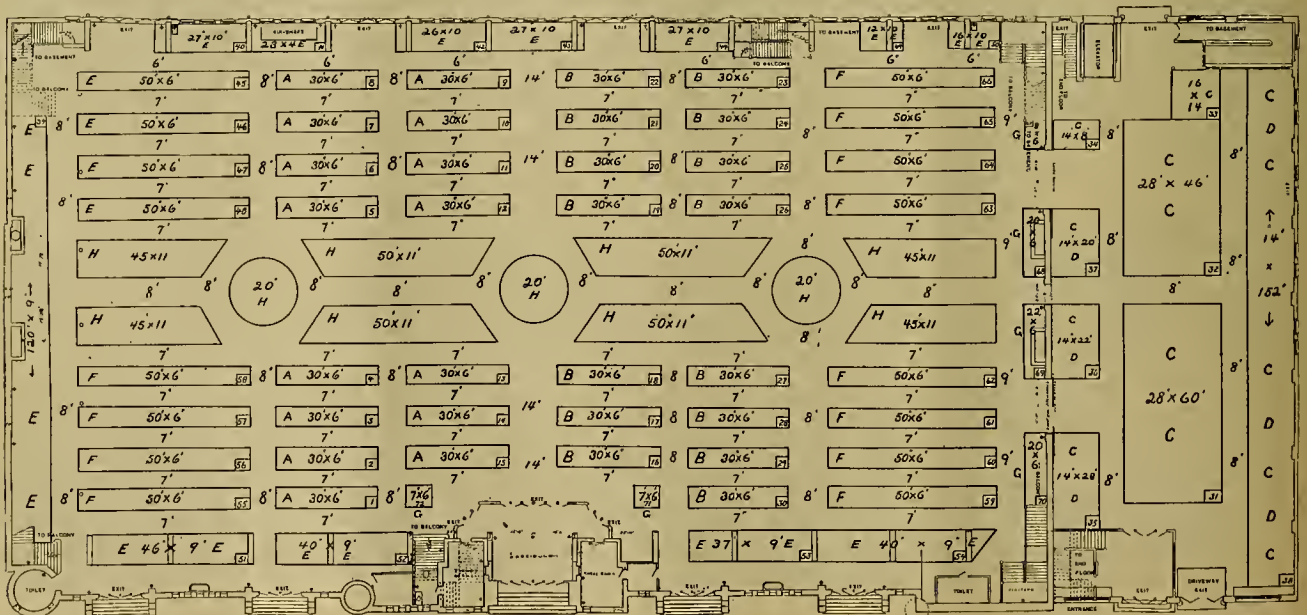
Supt. Seymour of the city parks is very busy planting the park beds.

The greenhouse men are very busy with flower boxes and bedding.

Prof. Cowell of South Park has his place in fine shape.

W. H. Grever of Palmer's is in New York.

BISON.



GROUND PLAN OF THE S. A. F. TRADE EXHIBITION, TO BE HELD AT THE COLISEUM, CHICAGO, AUGUST 21-23.

OBITUARY.

Elijah A. Wood.

Elijah A. Wood, well known member of THE AMERICAN FLORIST staff, died rather unexpectedly at his home in Chicago, Saturday, June 1, at 8:30 p. m. Mr. Wood had complained of not feeling well during the previous two weeks but his condition was not considered serious. He was at the office all day Monday of the week he died. Late that night, however, a physician had to be called and during the week it developed that his condition was quite serious but no one suspected that death was so near, even within a few hours of the end. The physicians gave spinal meningitis as the cause of death. The health authorities place such strictures on cases of this kind that no services could be arranged at the residence and the remains could only be held a very short time before removal to the train Sunday afternoon, June 2, whence they were conveyed for interment in the family cemetery lot at Newton, near Boston, Mass. In the meantime, a number of the prominent representatives of the Chicago trade had called at the residence to express to Mrs. Wood and other members of the household their sympathy in her bereavement, including President P. J. Foley, Vice-president Robertson and wife, and Treasurer Winterson and daughter, of the Chicago Florists' Club, J. C. Vaughan, J. B. Deamud, John Muir, T. E. Waters, and M. Barker.

Mr. Wood was a conspicuous figure in American floriculture. His father, E. W. Wood, was a prominent member of the Massachusetts Horticultural Society and eminent as a pomologist. His mother was a lover of flowers and took much interest in their culture, so that Mr. Wood's leaning to floriculture came to him naturally. Born at Newton in 1859, he was educated at the public schools. After graduation he was employed for a time in a Boston newspaper office and later was a traveling salesman in the dry goods line, his father's original business. The floral establishment at Newton was a family affair which soon attained such proportions that it required his constant attention and he was among the first to become interested in chrysanthemums, having for close neighbors Arthur H. Fewkes and Henry A. Gane, also devotees of this flower. He was one of the founders of the Chrysanthemum Society of America and was much in demand as a judge at the early chrysanthemum shows in which capacity he officiated with more than ordinary efficiency, having a high sense of justice combined with a keen knowledge of his favorite flower. His information was not confined by any means to chrysanthemums for few men possess a knowledge of floriculture so diversified and so accurate. He was personally well known to most of the prominent florists of his time and he had the confidence of everyone of them for he was a man of honor, assuming nothing which was not wholly his own.

Mr. Wood raised a number of excellent chrysanthemums, including Edward Hatch, which was sold to the E. G. Hill Co., also Golden Hair, distributed by Elmer D. Smith & Co. He was an ex-president of the Chrysanthemum Society of America and rendered the growers of this flower much service in his work on classification, judging scales, etc. He first exhibited cut flowers of chrysanthemums in vases at New York and his example was speedily followed by other exhibitors, relegating the old-fashioned exhibition boards to obscurity. He was a mem-

ber of the executive committee of the Society of American Florists as early as 1894 and has done good work for all the older floricultural societies. In the early nineties he went to Denver to take charge of the establishment of the South Denver Floral Co., but failed to make a success of this, owing to his lack of knowledge of the climate, as he made clear in a public statement at the time, and returned to Newton. The family estate was dispersed in 1910, some four years after the death of the parents, and Mr. Wood joined the staff of THE AMERICAN FLORIST. In September, 1894, he married Miss Elizabeth Katherine MacDonald, who survives. He was a devoted husband, a loyal friend and a trusty associate. He was a Mason and an Odd Fellow



The Late Elijah A. Wood.
From Photograph Taken May 18, 1912.

and for some time had planned on joining one of these organizations in the celebration of an anniversary at his home town this month.

EDWIN LONSDALE'S TRIBUTE.

Another good friend gone. He was the embodiment of true friendship. Abundantly personified kindness was a prominent trait. The late John Thorpe's estimate of him as the biggest little man in America was emphasized everywhere. Associated with one as a judge is a trying test and we were together in this capacity 10 days at the World's Fair chrysanthemum show, Chicago, in 1893. It was a pleasurable duty as he was quick to recognize superiority, honest in rendering judgment and bright and cheerful under all circumstances. High-minded, supreme, his spirit is at rest. None knew him but to love him, none named him but in praise.

Lompoc, Calif., June 3.

TRIBUTE OF ELMER D. SMITH.

I am very much grieved to learn of the sudden death of Elijah A. Wood. Having been close friends for the past

20 years the shock could not have been greater had he been a brother. He was blessed with the keenest conception of right and wrong, with courage and integrity to abide by such convictions through the walks of life. The result of his efforts, either for himself or for the public, show his constant and determined desire to do all things well. He said what he meant, no affectation or flattery, and his word was as good as gold. I am sure his many friends will miss him for his many manifestations of true manliness.

Adrian, Mich., June 3.

AT NEWTON.

Most appropriately the earthly remains of Elijah Wood were laid to rest June 4 in beautiful Newton cemetery, the God's acre of the city he so dearly loved. The services were held in the chapel on the grounds, and although the notice was short there was a large gathering of friends to pay their last respects. The services were in charge of the Odd Fellows lodge of Newton, of which Mr. Wood was a beloved member. Delegations of the order from Natick and Framingham were present, also from the Rebecca lodges. A quartet from the latter rendered beautiful music and the magnificent floral tributes attested the love and esteem in which Mr. Wood was held. For 10 years he was deputy grand master and on going west was presented with a gold watch and chain in recognition of his sterling qualities and devotion to the order. He had planned to come east to attend the celebration of the Newton lodge this month but this was a sad home-coming for his family and friends in the trade. Mr. Wood's gentlemanliness made him friends wherever he went and his sudden death comes as a great shock to us all.

Mac.

Thomas S. Keenan.

Thomas S. Keenan, the well known florist and seedsman of Chicago, died at his home on Wentworth avenue last Friday, May 31 at 1 a. m. He was 56 years old and was born in Philadelphia, Pa. and was for a long time in the employ of Robert Buist of that city and in 1881 he came to Chicago and entered the employ of Hiram Sibley. He was afterward with Vaughan's Seed Store and still later with James King until 1886 when he opened his first store on Wentworth avenue. In 1900 he opened a second store on East Sixty-third street, which was in charge of one of his sons and he was at the time of his death in the employ of the W. W. Barnard Co. A local order of the Masons, of which he was a member, took charge of the remains and the funeral was held from the home on June 2 and the remains were laid to rest in the Mt. Greenwood cemetery. He is survived by a wife and six children: Ralph, Arthur, William, Ruth, Esther and Florence.

John Lodder.

John Lodder, a prominent florist of Hamilton, O., died at his home in that city on Thursday morning, May 23, from a complication of diseases. He was 78 years old and was born in Germany in 1832 and came from a family of florists and gardeners. At the age of 27 years he came to America and after working in various greenhouse establishments throughout this country he finally located at Hamilton, O., in 1886 and went into business for himself, growing both cut flowers and vegetables. He was married in Cincinnati in 1863 to Elizabeth Dutteman and seven children have blessed the union. After the children had grown up he formed the firm of John Lodder & Sons, and had at the time of his

death a well-paying business and four and one-half acres under glass devoted exclusively to the culture of cut flowers. He was well thought of in the community in which he lived and the funeral which was held from the home and the St. Stephen's church the following Saturday was largely attended by his many friends and acquaintances. The interment was in St. Stephen's cemetery.

E. Kitzinger.

E. Kitzinger, another well known florist of Chicago, died at his home at 2852 Fullerton avenue, on Monday, June 3. He had been sick for over three months, although the trade knew very little about it and his sudden death was a surprise to nearly all. He was 47 years old and had for a long time conducted a successful business at his present location and was well thought of by his many friends and acquaintances. The funeral was held from the residence the following Wednesday at 9 a. m., and the body was laid to rest in the family lot at the Waldheim cemetery. He is survived by a wife and one son.

Mathias Froehlich.

Mathias Froehlich, a well known florist of Chicago, died at his home at 5538 Cornelia street on Thursday, May 30 at 9 a. m. from a long siege of rheumatism and dropsy. He was 61 years of age and was born in Germany coming to this country at an early age and locating at Chicago during the time of the big fire. The funeral was held from the home the following Sunday with services at the Presbyterian church and interment at Waldheim cemetery. He is survived by a wife and five children.

Philadelphia.

NOT ENOUGH PEONIES.

Memorial day came with its usual bustle for the wholesale men, who supply the country town florists where the rush appears to center. The stock comes from the country to the city and from there goes back to the country again. The trade center methods catch the business. Peonies were not quite equal to the demand. There were plenty for local consumption but the full crop arrived too late for the large orders of the wholesale men from out of town and many of these had to be cut short. There was a great abundance of all the other stock and most of it was cleaned up at satisfactory prices. The Jersey laurel is now in flower and is much used in window decorations. Outdoor roses are in bloom, many of the beds of hybrid teas being very attractive. In spite of the severe winter they carried over very well and are but little behind their schedule time.

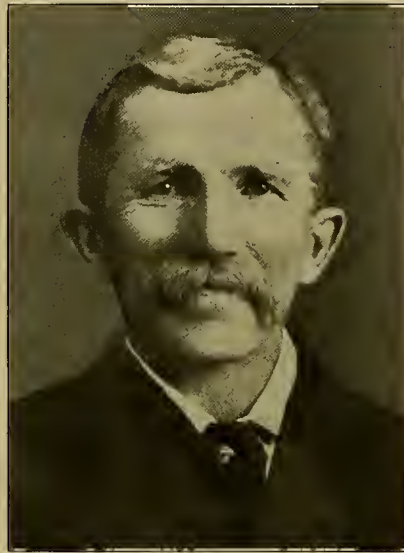
CLUB MEETING.

The June meeting of the Florists' Club was as full of meat as a fresh egg, the feature being a discussion on what help the florist can be to the improvement associations of the various towns and cities and particularly our home city and surrounding suburbs. From the interest shown and the determination to join in the work the old Philly town will take on a new lease of life and by next year become a city of bloom such as has never been seen before. E. A. Seidewitz, of Baltimore, poured in some hot shot that hit the mark and woke up some of the boys to such an extent that committees were at once called for and it does look as if real progress in this line is about to be seen that will grow and become a real factor in the city beautiful movement. A committee to

co-operate with the New York Florists' Club's publicity campaign was appointed and the discussion of this work was also very earnest and we hope it will be fruitful.

NOTES.

The city hall flower privilege, for which \$460 a month was offered by Samuel Harris, has not been found profitable by the lessee and he has thrown it up. It is also found that the use of the spaces has to be sanctioned by an act of councils and it is likely that the whole thing will fall through and result in the right or privilege being revoked. Why flowers are allowed to be sold on the streets and other merchandise barred has always been somewhat of a puzzle to many, the only solution being that it was found profitable and all obstacles, such as laws on the subject forbidding the practice, were overcome by graft to city officials, whose business it was to see that the laws were enforced. Door-



The Late Mathias Froehlich.

ways were rented, sidewalk privileges were also paid for to owners of buildings who had no right to lease them. The plea that every man has a right to make a living is often urged against the enforcement of the laws to regulate the street and sidewalk traffic and force the flower peddler into a store or building. Market street, from Tenth street to the city hall, was at one time overrun with them and they became such a nuisance that the entire crowd was driven away and for a time the street was clear, but doorways and fronts of empty stores and stand privileges are being used again and the dealers' spaces are gradually growing larger so that before long another edict from the city hall will be expected to drive them to the cross streets.

The third annual exhibition of the "Main Line Flower Show" at the Merion Cricket Club, Haverford, which is for amateurs only, was a very creditable display, there being numerous entries in the 35 classes. David Rust acted as secretary of the exhibition, while the judging was in the hands of John Westcott, A. B. Cartledge and Robert Kift. Mrs. James Rhodes took a great interest in the work and the success of the exhibition was greatly due to her earnest efforts. An exhibit by a 7-year-old boy, a small basket of flowers accompanied by a note in

his handwriting, saying he had raised the flowers although not scheduled. John Westcott says "He shall have a prize and here it is," handing, at the same time a bank note to the secretary, adding, "Such work should always have recognition. They cannot begin too young to have a love for flowers."

The publicity campaign proposed by the New York Florists' Club should meet with the approval and support of the trade everywhere. Several such movements have been exploited by the Philadelphia Florists' Club for local business and quite an ambitious effort was fathered by the S. A. F. for several years with good results. What is wanted is helping hands, not empty ones, but "there's five dollars for the cause." It is easy to say "I'll write you something," but it is another thing to do it. The proper way is to get a good man on the job and pay him well. A dollar a week, chipped in by interested growers and dealers in any large town or city, would be sufficient to pay a good man, whose plant and flower stories and general floral information would find columns of room waiting in all the large Sunday editions and many of the dailies. Smaller country journals would also be glad to publish anything interesting sent to them.

The trade was pained to hear of the death of Elijah Wood, or Little Woody, as he was familiarly known, in Chicago, June 1. He was the life of the social gatherings at the conventions of the S. A. F. in years gone by. K.

BOSTON.

DEATH KNELL OF PICKLERS.

It is over and there are some yet in a trance who don't know how it happened. We said last week that carnations were up in the air; they were, and so high up that the fall they got hurt them. Monday and Tuesday were good, Wednesday was the Waterloo for the salter, the greatest nuisance the trade has or ever will have. The bottom dropped out of the basket on everything, especially on carnations. It was like an avalanche coming down a mountain, and every hour made it worse. The metal and wax factories backed by judicious advertising of the retailer got in their work. Wreaths and sprays of artificial flowers certainly spiked the guns of the growers. There are decent men in the trade and there are some irresponsible ones. The latter are making a mess of what the others have built up honorable methods. This is strong language, but it is none too strong for the state of things just passed. We did what we could last year to warn the trade of artificial flowers to do business right, but the advice was not heeded. Nero fiddled while Rome burned and the salter salted to reap and take good money for bad goods. Lincoln's memorable words about fooling the people all the time has often proved true and in this city it has been no exception. There were more artificial wreaths sold this year than ever before and they attracted people who in former years had been robbed. They sold for \$1.50 to \$2.50 and the stores did a rushing business. They were advertised in local and suburban daily and weekly papers, showing the cuts, and they hit the bull's-eye. Unless something is done to stint the tide there will be greenhouses for sale. These are cold facts and facts that "winna ding." Here is a resume of the trade. Spirea did not sell. Peonies not in on time. Single stocks did not sell. Lilac was not wanted. Short lilies were a drug; long-stemmed ones were passe. Carnations kept too long and dropped to any old price. Roses were plentiful and prices did not rule high. We are in a crisis and the pub-

belly given the artificial flower and the added attractiveness have put us where we will have to wake up and do something. I am sure the trade press is open for suggestions. We are not in favor of long-winded prize essays, but something crisp from some of our broad, practical men. Then muzzle and handcuff the saller and let us do business right, for he is a detriment to the wholesaler and the retailer and the trade in general.

NOTES.

We are glad to hear that the New York Florists' Club has taken up the matter of flower publicity. We, generally, take off our hat to that club. The Gardeners' and Florists' Club of Boston, of course, has not shown any signs of life in the matter. The private gardener element would probably kick about use of funds for that purpose and Boston will probably come in at the tail end and then ask what has happened. By what we heard we thought the new club of 20 was to do great things, but the dinners are about the only good things we have heard that have been done. Poor Boston!

We are glad to hear that the health of Park Superintendent Pettigrew is improving and hope shortly to see him around again. MAC.

Detroit.

THE ADVERTISING DID IT.

Memorial day trade was a pleasing continuation of the activity of trade for Mothers' day, following the special efforts of the florists to boost trade on both these days by unique advertising and on both occasions the results were highly satisfactory. Efforts of the advertising committee were centered on the propriety of decorating with flowers all graves of deceased friends irrespective of army service. This was further elaborated upon by suggestive window decorations by most of the retailers, and the daily papers editorially commended the beautiful practice of remembering with flowers the friends departed, so that with these agencies at work it was no surprise to find the call for flowers far in excess of the demand for the same occasion a year ago. There was no scarcity of flowers except carnations, and on these alone was there advanced prices, bringing \$4 and \$5 per 100 wholesale, but this advance was not maintained by the retailers who wisely refrained from giving the public even a suspicion of boosting prices, and submitted themselves to the advanced prices without a murmur but avoided the "divine flower" as much as possible, falling back upon the immense stock available of Darwin tulips which could be retailed at 50 cents and 75 cents per dozen and still be profitable to the retailer. The occasion, however, used up the balance of the crop, all of which was grown by Robert Klage, Mt. Clemens. There were lots of Easter lilies, far too many, and equally big lots of *Gladiolus Calvillei*, roses, snapdragons, lily of the valley and peonies, so that all orders could be filled at prices that did not savor of extortion, and this is most fortunate as it will greatly contribute to the popularity of the day hereafter. No local grown peonies are on the market yet but southern stock is making its appearance and selling fairly well. Carnations continue off crops and these coming in are daily becoming smaller and less attractive.

Visitor, A. Miller, Chicago.

T. F. S.

SOMERVILLE, MASS.—The engagement of Joseph A. Mahoney and Miss Geneva A. Clifford of Gloucester has been announced. The wedding, it is stated, will take place in the early fall.

Cincinnati.

BUSINESS GOOD.

Decoration day business was very good and satisfactory. The wholesalers cleaned up on practically everything but peonies and lilies. The prices realized were on the whole good. It was only at the last minute that some stock that had then already been held for several days was sacrificed to clean it up. The peony supply was good and large and the quality of the stock was all of the very best. Roses are in a good supply and the choice ones are selling fairly well. However, some mildewed stock that must be sacrificed to move it is forcing down the general price. This can be easily utilized in work. The best are disposed of nicely. The supply of American Beauty roses is large. There has been since Decoration day a large call for carnations, and as a result the market in this line has been kept cleaned up. Deep pink and red especially are not as abundant as they might be. The supply of En-



The Late Thomas S. Keenan.

chantress and white is especially large. Outdoor sweet peas are coming in stronger and are selling at sight. The lily of the valley cut is easily sufficient. Other offerings include gladioli, cornflower, gardenia in a very large supply, and a few Spanish iris and pansies. The fern supply is now again adequate and is able to meet the heavy calls promptly.

NOTES.

C. E. Critchell says that this year's experience in Cape Jasmine is no different than from other years. The early reports indicate a short crop and when they do come in they are dumped in so heavy that the market can scarcely utilize them.

Tom Barnett cut a large lot of Sweet Williams for Decoration day. They were grabbed at sight. His Dorothy Perkins and Rambler roses are beginning to come in.

The wedding of Ed. Buschle of C. E. Critchell's and Miss Schilderink was duly solemnized Saturday morning at a very early hour.

A. C. Heckman took a flying business trip into Kentucky the end of last week. H.

SPRINGFIELD, MASS.—It has been decided to combine the second annual exhibition and the annual rose show of the Springfield Horticultural Society, to be held about the middle of June.

Indianapolis.

MEMORIAL DAY TRADE GOOD.

Decoration day business is reported equal to last year as to cut flowers. The bedding trade, according to the leading florists, shows a material increase over last year and continues good to the present moment. Landscape gardeners report the best ever witnessed in this vicinity. The quality of the leading cut flowers is unusually good for this time of year. Real good carnations are not overly plentiful and sell well, while inferior grades are hard to move. Tea roses, owing to the continued cool weather, are still of good quality, but the supply of good American Beauty roses is not equal to demand.

NOTES.

A new cut flower store will be opened in this city within 60 days. The promoters are Messrs. Heller of New Castle and Hill & Lemon of Richmond. The new firm has secured a five years' lease on a prominent site on Pennsylvania street, between Ohio and New York, opposite the Federal building. According to the daily papers a one-story building will be erected especially adapted to the business and elaborately furnished.

Secretary H. Junge of the State Florists' Association has handed in his resignation to take effect at the June meeting. Mr. Junge finds it impossible to devote the necessary time to these duties. The S. F. A. plans important changes as to its meeting place and program which is expected to make its meetings more attractive. The association is in a very flourishing condition, having over a hundred members in good standing.

F. Conway & Co. are negotiating with the city, who want another slice of his property for park purposes.

Everybody is sorry to hear of the accident Mr. John Evans had in London.

A. W. Brandt has bought a new pleasure car. H. J.

TORONTO, ONT.—The annual spring flower show of the Toronto Horticultural Society was held in Foresters' hall May 17. The premiums were for bulbous and perennial flowers.

KANSAS CITY, MO.—A disastrous hail storm broke over this city May 27 and greenhouse men suffered heavily, including Samuel Murray, W. L. Rock Flower Co., J. Austin, Nelson Jarrett, Bunker Hill Greenhouse, W. J. Barnes, W. R. Heite, Merriam, Kans., Biederman & Son, and Chas. Laundry.

OYSTER BAY, N. Y.—The first annual flower show of the Oyster Bay Horticultural Society will be held June 18. The committee of arrangements consists of Joseph Raynor, John T. Ingram and J. R. Raynor, who will make all arrangements for the entries, prizes, etc. The fall show will be held October 2.

ROCHESTER, N. Y.—The city parks were inspected May 24 by a party of Canadians belonging to the Horticultural Society of St. Catherines. The party, which numbered about 400, included the mayor and other city officials of St. Catherines. They were welcomed by President A. B. Lamber-ton of the park board, Vice-President Wm. C. Barry, Superintendent C. C. Laney and Assistant Superintendent John Dunbar. The places visited include Highland park, Genesee valley and Seneca parks. A banquet in the Duffy Powers building closed the visit. The following members of the Rochester Florists' Association were appointed by President Dunbar to act as a reception committee: Geo. B. Hart, Chas. H. Vick, Colin B. Ogsten, Fred H. Vick, Edwin Wilson and James Logan.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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The kiss of the sun for pardon;
 The song of the birds for mirth;
 One is nearer God's heart in a garden
 Than anywhere else on earth.

RENEW subscriptions promptly so that no copies of the paper may be missed.

GLADIOLUS KUNDERI GLORY abroad.—Mrs. K. Atkinson writes from Southampton, England, that English growers report the behavior of Kunderi Ruffled Glory very good.

"THE Pear and How to Grow It" is the title of a bulletin issued by United States Department of Agriculture giving information which will enable one to grow choice fruit for his own family or should he wish to extend his planting for market purposes he will find ready sale for his crop.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the new Fern Pteris Cretica Andersonii by J. F. Anderson, Short Hills, N. J., becomes complete.

JOHN YOUNG, Sec'y.

May 28, 1912.

The Last Greenhouse.

The increasing use of artificial flowers, in preference to high priced natural stock from storage, otherwise known as "pickled" or "salted" stock, will surely put the "For Sale" sign on many greenhouses, as one of our correspondents remarks elsewhere in this issue.

American Rose Society.

The American Rose Society has a prize offer as follows:

ROCHE SPECIAL OFFER.

Newport, R. I., Sept. 18, 1911.

To the American Rose Society:—
 I desire to offer prize of \$50.00 for a new rose to be grown under glass, to resemble as nearly as possible in color the "Marshall Neil," but with a stronger stem, to be competed for at any show your Society selects after June, 1912.

(Signed) Frances Roche.

THE HUBBARD GOLD MEDAL.

This medal will be given once in five years to the grower or originator of the best rose introduced in the five years previous to the award. The rose must be of American origin. The first five years will terminate in 1914. Mrs. Hubbard has presented to the American Rose Society the sum of \$250 to be kept as a permanent fund with the interest to be used every five years to provide the gold medal as stated above.

Now who is there likely to be able to take the prize as above specified? This year, in some parts of the country the ideal weather is bringing on the outdoor roses famously and the damp, warm weather seems to make the bush varieties and climbers develop. But what will the flowers be? Cabbage roses were listed in the year 1596, and so were moss roses, but that was a long time ago. New varieties are constantly being brought forward and roses are yearly more and more in evidence in the dooryard. Home gardening and school gardening are creating or rather invigorating the spirit for pretty dooryards. The florist in any town or village can lead in this by setting the example which stimulates the desire to have flowers.

The Rose Journal, as part of the equipment to keep in touch with the membership of the Rose society, seems to have made a favorable impression, judging from the various comments on the first number and requests for copies. Every grower of plants and flowers should be interested in this Society. President Farenwald is on a trip to Europe. Little escapes his observation and he will be back for the S. A. F. convention in August.

BENJAMIN HAMMOND, Sec'y.

Effects of the Severe Winter.

Last winter was the severest in regard to freezing out shrubs, etc., that we have experienced in the western end of the state of Pennsylvania in at least twenty to thirty years. All of the Ligustrum ovalifolium is frozen

back. I might mention for instance a privet hedge which was planted some 18 years ago in Highland park, which for the first time in the above number of years we were compelled to cut back to within six inches of the ground. There are a great many of the rhododendrons also frozen in exposed locations, and the foliage of the buxus is all frozen. Most of the forsythia, which had been planted on exposed banks, although not killed, show that they have passed through a very severe winter. Hardy hybrid perpetual roses were killed back hard, and it has required very heavy pruning to come within the live wood. I also noted a great number of the plain trees, which average 4½ to six inches in caliper, with the trunks split open this winter. They will close however, when the trees start to grow, but nevertheless they will be blemished trees. GEO. W. BURKE, Supt. Pittsburg Parks.

A good many of our shrubs were winter killed during the past severe season. Among these are the following: Buddleias, Ceanothus, Cotoneaster pannonica, Hypericum petulum, Hypericum Henryi, Hypericum lysimachoides, Gordonia Altemaha, Berberis Darwini, Berberis buxifolia. In addition we found other shrubs killed back, although they will recover immediately. Among these are the following: Rubus bambusarum, Rubus innominatus, Cotoneaster Wheeleri, Cotoneaster thymifolia, Erica vulgaris, Itea Virginica, Crataegus Pyracantha celandi, Mahonia aquifolia, Cotoneaster newyrensis, Cotoneaster applanata, Cotoneaster Henryi, Buxus, Ilex crenata, Baccharis halmifolia, Genista tinctoria, Morus alba, Tamarix gallica, Carpinus Americana, Colutea arborescens, and some varieties of roses. JAMES B. SIEBA, Asst. Supt. Boston Parks.

The past winter has been exceptionally severe all over the country and especially in the central, western and northwestern sections, and it has been reported that much outdoor stock in the way of shrubs, roses and perennials which are ordinarily hardy has been killed or severely injured. The following communications have been received from those who have large numbers of these plants and are conversant with the conditions:

I have noted that the following plants have been injured during the severe weather of the last winter: Wild roses of all sorts; Ligustrum Iota, badly frozen; Ligustrum Californicum, killed; weigelia, badly frozen; forsythia, blooms frozen. All tender young growth that was green last fall is dead this spring. Bushes generally will need much trimming.

Chicago. E. A. KANST.

Increasing Cost of Business.

We are passing through a transition period, of which the agriculturist as well as the man in mercantile life must recognize the increased cost of doing business; as an example, 20 years ago the cost of doing a retail mercantile business was 10 per cent; today this costs from 20 to 28 per cent, owing to the size of towns and kinds of business. It has taken years for the merchant to realize why he was not "getting ahead" in business. I have always contended that the trouble with business conditions was, not so much that other people were trying to fool you, as we are trying to fool ourselves.—Rural New Yorker.

Meetings Next Week.

Baltimore, Md., June 10, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.
Butte, Mont., June 14.—Montana Florists' Club, Columbia Gardens.

Chicago, June 12.—Gardeners' and Florists' Union No. 10015, 230 North Clark street.
Cincinnati, O., June 10, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.
Cleveland, O., June 10, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Hartford, Conn., June 14, 8 p. m.—Connecticut Horticultural Society, County Building.

Lake Geneva, Wis., June 15, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, Guild hall.

Madison, N. J., June 12, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

New Orleans, La., June 9, 2 p. m.—Gardeners' Mutual Protective Association, 114 Exchange alley.

New York, June 10, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, June 12, 4:30 p. m.—Horticultural Society of New York at Botanical Garden.

Omaha, Neb., June 13, 8 p. m.—Omaha Florists' Club, City hall.

Rochester, N. Y., June 10, 8 p. m.—Rochester Florists' Association, 97 Main street east.

Springfield, O., June 10.—Springfield Florists' Club, office of the Good & Reese Co.

St. Louis, Mo., June 13, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., June 12.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As foreman, by expert carnation grower; German; married; age 29; good worker; can come well recommended. Address. Key 642, care American Florist.

Situation Wanted—By a young married man—eight years' experience in general greenhouse work, wishes a position in a retail flower store; references. Address. Key 643, care American Florist.

Situation Wanted—General greenhouse man and chrysanthemum grower, middle aged, single, wants position in commercial place. Best of references. Address. Key 635, care American Florist.

Situation Wanted—As gardener; 19 years experience growing roses, 'mums' carnations, pot and bedding plants. Greenhouse or outside work; single man, 29 years old, on private place, steady position. Address. Key 634, care American Florist.

Situation Wanted—As florist and gardener; can take full charge of greenhouses and gardens. Good practical experience in England and America. Have excellent references. Abstainer. Have position, but desirous of improving upon same. Address. Key 645, care American Florist.

Help Wanted—Good plant grower that understands growing and watering; steady work. SCHOENHUT, 352 William St., Buffalo, N. Y.

Help Wanted—First-class salesman and designers for our retail stores. Apply to HERMAN BERSHAD, care Loeser's, Fulton St., Brooklyn.

Help Wanted—A man for general greenhouse work. Carnations, roses and cut flowers for retail trade. State wages and experience. Must be a grower. Address. HUGH SEALES, Birmingham, Ala.

Help Wanted—Several quick potters, also man to take charge of palms and decorative stock. State wages expected in first letter. Address. VAUGHAN'S GREENHOUSES, Western Springs, Ill.

Help Wanted—Handy man, one who can do such work as steam fitting and be useful with carpenter tools, or such work that has to be done about a greenhouse; position permanent; wages \$15.00 per week. Address. D. G. GRILLBORTZER, Alexandria, Va.

Help Wanted—A man to take charge of a retail business in suburb of Philadelphia. Must have a general knowledge of inside growing, outside planting and decoration. Good references required. Key 640, care American Florist.

For Sale—About 10,000 feet of glass. No competition, can sell all you can grow. A rare opportunity—investigate. FLORIST, DWIGHT, Ill.

For Sale—Special Bargain! Most profitable business in Nebraska. Wire! Write! HIGGINBOTHAM & PICKENS, Hastings, Neb.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Cheap; store fixtures, wall cases and a National cash register. A bargain for some one. Answer now. Key 632, care American Florist.

For Sale—At once, good florist place, newly built; good business; busy town; cheap if sold at once; middle Ohio. Address. Key 630, care American Florist.

For Sale—"Improved" Capito¹ Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80 in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

For Sale—Florist and market garden business established twenty-five years; 20,000 feet of glass well-stocked; one to eight acres of land, \$1,500.00 takes possession at once; a bargain. Address. GOSHEN FLORAL CO., Goshen, Ind.

For Sale—Seven large commercial greenhouses on three acres of land; eleven-room house and small house for help; three wagons, two horses. Good paying proposition; near New York City. Owner wants to sell on account of health. Apply CHAS. MILLANG, 55 W. 26th St., New York City.

For Sale—A good retail florist business; 25,000 sq. ft. glass; 7-room modern residence; 30 acres of good ground; in city limits; good town; this place will stand close investigation; books to show; \$3,000 cash required, balance on time; \$12,500 for place; can make price of place in several years; to any one wanting a good business will be pleased to give full particulars by return mail. Address. Key 641, care American Florist.

For Rent or Sale—About 6,000 feet double strength glass; hot water heated; built for my florist daughter; got married, gone; still a going business. Fair stock, only florists here; county seat, near Denver; rent twenty dollars per month. Will sell houses, tools, stock, all for seventy monthly payments of thirty dollars each. I mean business. Address. CULP WATCHMAKER, Owner, Box 116, Littleton, Colorado.

HELP WANTED

Two good rose growers.
Two good carnation growers.
Two helpers.

BASSETT & WASHBURN
HINSDALE, ILL.

FOR SALE

House and lot at 4100 Ellis Avenue, Chicago. Alleys on both sides. Lot in rear large enough for three greenhouses. Owner lives on premises. Address.

Key 644, care American Florist.

STOREMAN

Good designer and salesman, accustomed to waiting on high class trade, is open for engagement. Middle West preferred. Address. Key 639, care American Florist.

Situation Wanted

An all around Carnation Grower capable of taking charge. Chicago preferred. Can furnish the best of references. State salary when writing.

Key 637, care American Florist.

Wanted—Will some one kindly send information as to the present address of George J. Leoffler, so we can correspond; or if you see this, George, please write. CHAS. A. LEOPFFLER, care Geo. Yore, Jr., Deerfield, Ill.

Greenhouse Glass

We bought too much and offer
100 Boxes D. S. A. 18 x 24

Best Glass Made at \$2.80 per box, Delivered at Depot. Cash with the Order.

F. Walker & Co., LOUISVILLE, KENTUCKY.

Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address.

Key 615, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

Help Wanted.

A German manufacturer, who makes special heating plants and boilers for greenhouses, desires to secure the services of a capable representative in America (an experienced florist preferred) to start immediately. Apply in writing to

Key 610, care American Florist.

FOR SALE-A BARGAIN

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Ill.

FOR SALE.

Seed, Nursery, Plant and Flower Business for sale. Annual Sales, \$80,000.00. Large cash mail order business from Texas, Oklahoma, Arkansas and Louisiana; 60,000 names of property owners lately revised. Manager, who owns controlling interest in the corporation, wishes to retire. Write for particulars or come and investigate.

DRUMM SEED & FLORAL CO.,
507 Houston Street, Fort Worth, Texas.

For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line. Good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE,
1607 Second Avenue, Rock Island, Ill.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

NOTICE OF CIVIL SERVICE EXAMINATION.

Chicago, May 27th, 1912.
The Civil Service Commission of the City of Chicago will hold an examination for superintendent of Parks on June 17th, 1912, in room 1006 City Hall, Chicago. The salary of this position is \$2500 per annum, and persons living outside of the city will be permitted to take the examination. Applications will be mailed on request sent to the Commission, room 610 City Hall, Chicago.

R. A. WIDDOWSON,
Sec. C. S. Com.

Beauties, Carnations, Roses, Peonies

Fine Large Crops for
JUNE WEDDINGS AND SCHOOL CLOSINGS

Buy Direct of the Grower.

We grow all the stock we sell and guarantee it strictly fresh.

We quote our selection of Medium and Short Stem Roses at \$15.00 per 1000 in lots of 500 or more. These are strictly fresh and well assorted for colors.

Price List

AMERICAN BEAUTIES		Per doz.	CARNATIONS		Subject to change without notice.
Extra long		\$3.00	Extra long fancy, O. P. BASSETT.....	\$2.00 to	Per 100 3.00
36-inch		2.50	Extra long fancy white	2.00 to	3.00
24-inch		2.00	Fancy pink	2.00 to	3.00
18-inch		1.50	FINE EASTER LILIES		
12-inch		1.00	Per dozen		1.00
Short	per 100, \$4.00		Per 100		6.00
KILLARNEY AND WHITE KILLARNEY, RICHMOND, MARYLAND, KAISERIN AND PERLES			LILY OF THE VALLEY.....		
AARON WARD AND RHEA REIDS		Per 100	SWEET PEAS		
Extra long select.....		\$8.00	ASPARAGUS SPRAYS		
Good length		6.00	SPRENGERI		
Medium length	4.00 to	5.00	ADIANTUM		
Short	2.00 to	3.00	GALAX—Bronze		
			FERNS—Eastern		

PEONIES and all Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Mention the American Florist when writing

Chicago.

MEMORIAL DAY TRADE.

The weather was very warm during the week preceding Memorial day and the result was that there was a vast amount of stock of all kinds, such as it was, but of really first-class stock, such as the houses would have liked to supply their customers, there was very little, but everybody did the best they could under the circumstances, with the probabilities that there were many disappointments and that apologies had to be extended. The majority of the wholesale houses report that the trade was very satisfactory with the shipping trade exceptionally good. There was very little doing on the market on Memorial day and a visit to some of the retail stores in the morning also found the employes idle and the ice-boxes pretty well filled. Good peonies sold fine and there was a good call for fancy American Beauties and other roses and carnations, but there was very little call for miscellaneous stock and practically no market whatever for orchids. The supply of lilies was equal to the demand and some late shipments of Cape Jasmine arrived on Wednesday noon, too late for the Memorial day trade, and it is doubtful if the express charges were realized. The talked-of scarcity of peonies failed to develop and the supply of stock that was left over was very large and a disappointment to the dealer. Many of the roses arrived at the stores half-opened and some of the carnations were very soft and in some cases practically unsalable. Trade on Friday was very good with the supply still very large and no shortage of any kind. The market has been very quiet this week and the stock has been accumulating rapidly and

the only shortage reported is that of lily of the valley. Five cents is being asked for the best grade and we heard one wholesaler tell his customer that his grower said he should not accept any thing less than four cents. There is a very noticeable over abundance of orchids and it is surprising that these beautiful flowers should be sacrificed at such low prices during June, the month of weddings. American Beauty roses are arriving in good condition for this time of the year and the other roses are also of fair quality. Fine Richmond, My Maryland and Kaiserin Augusta Victoria roses are obtainable and are in good demand. Peonies are seen in large quantities everywhere and carnations are more plentiful and have taken quite a drop in prices. To sum up the condition of the market in a nutshell we would say that there is an oversupply of everything with the exception of lily of the valley as we have mentioned.

NOTES.

O. P. Bassett and wife of Pasadena, Calif., are in the city this week on business and pleasure combined. Mr. Bassett is naturally interested in Bassett & Washburn's proposed building and his mission here was mainly to look over the plans of the firm's new range of greenhouses. He says that this city is all right as far as it goes but that the weather is a little too warm. He leaves on Sunday, June 9, for his home in the southern clime, where the cool ocean breezes blow to watch over his outdoor roses which are something out of the ordinary and the finest in that section of the country. Mr. Bassett says that California is good enough for him and that he would not live any other place on this earth as

long as such a beautiful spot as Pasadena is located in the Golden State.

J. C. Craig had a fine Memorial day trade and succeeded in disposing of his large crop of lilies and a good supply of other miscellaneous stock. Mr. Craig is one of the oldest florists in the city and with the assistance of his enterprising sons has built up a good paying business.

The next regular meeting of the Chicago Florists' Club will be held at the Union restaurant, 72 West Randolph street (tonight) Thursday June 6, at 8 p. m. The ways and means committee will make their report and every member of the club should be present.

George Perdikas is fixing up the room adjoining his store on West Jackson boulevard, with the intention of using it as an ice cream parlor during the summer months.

J. A. Budlong is having a good call for My Maryland and Kaiserin Augusta Victoria roses and is indeed fortunate in having a good crop of these popular summer roses.

Fred C. Hoerber says that the Memorial day trade at Hoerber Bros' store was fine and that his firm succeeded in disposing of about all of their stock.

A. Henderson & Co. has added some new office fixtures and Mr. Crowfoot can now be seen occupying one of the handsome new desks.

The grim reaper was very busy this week and four deaths in the local trade are recorded in the obituary column of this issue.

D. D. Johnson, with the United Fertilizer Co., is calling on the trade in Ohio this week.

The E. F. Winterson Co. is receiving a large quantity of fine home grown peonies.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

ORCHIDS

ORCHIDS

LARGEST

AND

STOCK

NOW

IN

IN

THE

FULL

WEST

CROP



CURRENT PRICE LIST

Subject To Change
Without Notice.

	Per Doz.	Per 100
AMERICAN BEAUTIES.		
Specials	\$ 3.00	
36-inch	2.50	
30-inch	2.00	
24-inch	1.50	
20-inch	1.25	
15-inch	1.00	
Short stem	per 100 \$4.00 to 6.00	
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.		
Fancy	\$8.00 to \$10.00	
Medium	6.00	
Short	4.00	
MELODY, fancy long.	\$8.00 to 10.00	
Medium	6.00	
Short	4.00	
MRS. AARON WARD.		
Fancy Long	\$5.00 to 10.00	
Medium	6.00	
Short	4.00	
RICHMOND, select		
Fancy	8.00	
Medium	6.00	
Good Short	\$4.00 to 5.00	
KILLARNEY, select		
Fancy	8.00	
Medium	6.00	
Good Short	\$4.00 to 5.00	
Good Short	3.00	
WHITE KILLARNEY, select.		Per 100
Fancy		\$ 8.00
Medium	\$4.00 to	6.00
Good Short		5.00
ROSES, extra special billed accordingly.		3.00
CARNATIONS, fancy, white, red and light plnk.		3.00
our selection		2.00
common		1.50
SHASTA DAISIES		\$2.00 to 3.00
ORCHIDS, Cattleyas, per doz.		4.00
PEONIES		\$4.00 to 6.00
EASTER LILIES, per doz., \$1.50.		\$8.00 to 10.00
SPANISH IRIS		6.00
VALLEY		\$3.00 to 4.00
MIGNONETTE, large spikes		\$2.00 to 4.00
DAISIES		\$1.00 to 1.50
SWEET PEAS, fancy Butterfly		1.00
SWEET PEAS, common		\$0.60 to .75
ADIANTUM CROWEANUM		1.00
SMILAX, extra long and heavy, per doz.		3.00
SPRENGERI, PLUMOSUS SPRAYS		\$3.00 to 4.00
PLUMOSUS STRINGS, extra long and heavy ..	each	.60
PLUMOSUS, strong, long, medium	each	.45
FERNS	Per 1000	3.00
GALAX	Per 1000	1.25
LEUCOTHOE	Per 100	.75

Good Short Stem Roses, \$20 per 1000; 500 at the same rate. Fancy Carnations, assorted colors, \$20 per 1000.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Large Supply of Beauties, Roses and Carnations.

FINEST STOCK IN THE CHICAGO MARKET. BAR NONE.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60-inch stems.....\$3.00	24-inch stems.....\$1.25
48-inch stems..... 2 50	20-inch stems..... 1.00
36-inch stems..... 2.00	15-inch stems..... .75
30-inch stems..... 1.50	Short Stems..... .50

Killarney.

Per 100
Extra special..... \$7.00
Selects..... 6.00
Fancy..... 5.00
Medium..... 4.00
Good..... 3.00
Short stems..... 2.00

Richmond

Per 100
Extra specials..... \$7.00
Selects..... 6.00
Fancy..... 5.00
Medium..... 4.00
Good..... 3.00
Short stems..... 2.00

Jardine

Per 100
Fancy, 24-inch stems..... \$8.00
Good, 15 "..... 6.00
Short..... 4.00

White Killarney

Per 100
Extra specials..... 7.00
Selects..... 6.00
Fancy..... 5.00
Medium..... 4.00
Good..... 3.00
Short stems..... 2.00

Uncle John

Per 100
Fancy..... \$6.00
Good..... 3.00
Short..... 2.00

Roses, our selection - - - \$3.00

Carnations,

Per 100
Extra Special..... \$2.50
Special..... 2.00
Fancy..... 1.50
Good..... 1.00

HARRISII.....12.50 to 15.00
 FERNS, per 1000, \$3.50. NEW FERNS, per 1000, \$2.00 to \$2.50. SMILAX, per doz., \$2.00 to \$2.50.
 ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.
 SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

The Chicago Carnation Co.'s baseball team won another game this week when they defeated the North Stars by a score of 14 to 10 and are now fighting for first place in the Joliet city league. A. T. Pyfer says that the Memorial day trade was fine and some of the letters that he has received this week from his out-of-town customers show that they were well pleased with the stock that they received and many were from customers away beyond the 1,000-mile limit.

The J. B. Deamud Co. report that the Memorial day trade was the finest ever and the proprietor was glad when it was over for the force was obliged to work early and late to properly handle the large supply of stock that was received. This firm received the first chrysanthemum of the season on June 3 and some of trade were inclined to believe it was artificial until they examined it a little more closely and found it to be genuine.

The John C. Moninger Co., will furnish the material for Bassett & Washburn's new range of houses which will, at the start, consist of 5 flat rafter houses, 35x600 feet. The ground has already been graded and it is understood that building operations will be under way in double quick order for the Moninger Co. never loses any time in delivering its material.

Max Cohen, who looks after the cut flower department at McNeilleys' East Sixty-third street store, was pretty busy all last week and says that he filled a good many out-of-town Memorial day orders. Mr. Cohen has an option on this place and we would not be at all surprised to hear soon that he is the new proprietor.

E. E. Pieser, the "Peony King," says that this was the hardest season

for peonies that he has ever experienced and that he has never seen so many poor flowers in proportion as this year. His firm had the biggest Memorial day in its history and if the weather had been a little more favorable it would have been a tremendous one indeed.

Fred Lautenschlager has the sympathy of the trade in the loss of his sister whose death occurred from heart failure on Monday, May 27. The funeral services were held at the home in this city and the remains were laid to rest in the family lot in the Spring Grove cemetery at Cincinnati, O.

George Economopolis, proprietor of the Alpha Floral Co., and his storemen did a large Memorial day business and succeeded in disposing of a vast quantity of stock. The store was full of customers from early until late and the employes were taxed to the utmost in properly serving the public.

Frank Jerome and George Severance of the American Importing Co. will leave some time this month for Europe to place their import orders. Their firm has offices at 219 South Dearborn street and deals largely in prepared cypress leaves, crepe paper and gold leaf letters.

A. L. Vaughan & Co. had a fine Memorial day trade and the force had about all the work it could properly attend to. About the only stock that was left over when the store was closed on the big flower day was a few gladioli that arrived after the rush was over.

Tony Einweck, E. H. Hunt's cut flower man spent last Sunday at Crooked Lake, Wis. and came back severely sunburned. His weekly visits to that resort are leading some of his friends to believe that there is some attraction in the Badger state.

U S Budlong's E Blue Ribbon Valley.

Julius Zschau says the hot water boiler that he bought from the Boynton Furnace Co., 131 West Lake street, last fall was a dandy and did good service all last winter heating the greenhouses very quickly even in the coldest of weather.

Wendland & Keimel's records show that their cut of roses last month was 25,000 less than for the same month last year but they expect to make up the difference this month as the plants are in fine condition and promise well.

A. F. Longren, E. H. Hunt's traveling representative, started out on another trip this week. "Tell the boys I will be back for the convention" were his last words as he left the store.

The Batavia Greenhouse Co. cut their first peonies on June 1 and according to O. Johnson's records at the firm's city salesroom the season is one week later than last year.

Zech & Mann are receiving a new red peony that is exceptionally fine and it is certainly attracting a great deal of attention at the store this week.

Thos. McAllister, who has been laid up for over a week with a sprained back, is again attending to his duties at A. Lang's store.

Mrs. George Fisher was successfully operated upon for appendicitis at the Wesley hospital last Monday, June 3.

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph St., CHICAGO.

LARGE CROPS

Beauties = Roses = Carnations

Fine Flowers for Weddings and School Closings.

Send Your Orders Direct to the Grower and They Will be Taken Care of
CURRENT PRICE LIST.

AMERICAN BEAUTIES	Per doz.		
Extra long stems.....	\$3 00	Mrs Aaron Ward {	Select
36 inch stems.....	2 50		Medium
30 inch stems.....	2 00		Short
24 inch stems.....	1 50		\$4 00 to 5 00
20 inch stems.....	1 25	Sunrise {	Select
15 inch stems.....	1 00		Medium
12 inch stems.....	75		Short
Short Beauties	50		4 00
Richmond		Roses, our selection	3 00
Killarney		Carnations, fancy	2 00 to 2 50
White Killarney		Carnations	1 50
My Maryland		Harrisii	per doz. 1 50
		Valley	3 00 to 4 00
		Sweet peas	75 to 1 25
		Peonies	per doz. 50 to 75
		Adiantum	1 00
		Asparagus, per bunch	50
		Ferns, per 1,000	3 50

"The Busiest House in Chicago."

Peonies

Largest selection of all varieties and qualities. Price: \$3.00 to \$5.00 per 100.
Write for quotations on larger lots. **Valley, Sweet Peas, Roses, Carnations** and all other **Seasonable Flowers and Greens.**

J. B. DEAMUD CO.

Phones { Central 3155. 160 N. Wabash Ave., CHICAGO
Auto. 44-389.

Wietor Bros. had a very fine Memorial day trade and N. J. Wietor says that both the shipping and local trade were good and that they had three crackerjack days moving practically everything in American Beauties, roses and carnations. The supply of American Beauty roses for the occasion was very large and their magnificent stock found a very ready sale.

The Chicago Flower Growers' Association have added a few peony growers to their list of consignors and are now receiving a fine assortment of these flowers. Manager Kidwell says that the firm's Memorial day trade was exceptionally good and more than satisfactory. A meeting of the directors was held at the store last Wednesday, June 5.

John Kruchten is receiving a large supply of all kinds of choice reasonable stock with roses, carnations, peonies and Butterfly sweet peas showing up exceptionally well.
Hans Rowold and E. Leslie, proprietors of the Kedzie Florist store, are doing fine in the retail business and are talking about opening another store.

FOR JUNE WEDDINGS

AND COMMENCEMENTS

LARGE SUPPLY OF

Peonies, Roses, Carnations and Butterfly Sweet Peas

All Fancy Stock. None Better to be Had.

JOHN KRUCHTEN

162 N. Wabash Ave., Phone Central 6269 CHICAGO.

Tim Matchen says that the Memorial day trade at Peter Reinberg's was very good and much better than last year. The shipping trade was exceptionally brisk and large quantities of choice roses and carnations were shipped out of this house on May 27-28-29. Miss Corbett has resigned as bookkeeper with this firm and Miss Barnes has already been selected to fill the position. Miss Corbett did not have very much to say about her resignation but it is understood that she is to be married next Saturday, June 8, and she is now receiving congratulations from her many friends in the trade.

Poehlmann Bros. Co. report their Memorial day trade was the largest ever and was very satisfactory. The cut the few days previous was unusually large and on May 28 alone the shipment from the greenhouses consisted of 286 large sized boxes and these were all completely filled with roses, carnations and all other seasonable cut flowers and greens. Otto W. Frese says that his firm's orchids are now in full crop and one notices that the prices are now very reasonable and within reach of all.

Geo. V. Weinhoeber says that the trade at Fleischmann Floral Co.'s store is very good and that the present year so far has been a most satisfactory one. The old rustic mill scene is still proving to be a great attraction and large crowds of people stop to admire it daily.

John Risch was well pleased with the Memorial day trade at Weiland's new store on East Washington street and says that peonies had a very little call and that the demand was principally for roses and carnations.

Erne & Klingel, the new wholesalers, report a fine Memorial day trade and jokingly add that it was the best ever.

Miss H. V. Tonner was ably assisted by her sister Olga at the store during the holiday rush.

FLUSHING, N. Y.—Lackman the Florist, who recently bought the greenhouses of Alexander Thorne is replacing the old houses, with new ones of modern construction.

SPRINGFIELD, O.—Miss Carrie M. Howell, who has been conducting a florist business for the last six years, has taken her brother, John C. Howell, in as a partner and with his aid intends to build more greenhouses and conduct the business upon a much larger scale than before.



ORCHIDS

For June Weddings

Valley, Sweet Peas,
Peonies, Roses and
all seasonable flowers
and supplies of all kinds.

Send for Price List.

CHAS. W. McKELLAR

Phone L. D. Central 3598

22 E. Randolph St., CHICAGO

Mention the American Florist when writing

Milwaukee.

SCARCITY OF CARNATION.

Decoration day, as usual, was a busy day for everybody connected with the flower business, and as this is the general rule for the florist to get busy, almost everyone was well prepared for the same. There was plenty of stock of all descriptions except carnations. The dark weather that set in on Tuesday and Wednesday shortened up these flowers considerably and the price took a jump and the wholesalers had hard work trying to fill their orders. On Wednesday there was plenty of roses to fill all orders, the demand being chiefly for the short-stemmed stock, and the longer grades were sold more reasonable than they should have, but as there was a large supply on hand it was necessary to move them. There was also plenty of sweet peas, tulips, peonies and gladioli of the small variety to help the large demand for cut flowers out nicely. Common ferns are becoming poorer as the new season for this stock is approaching and everybody is looking forward for some of the new stock, for it will

U S E Budlong's Blue Ribbon Valley.

take away a lot of extra labor which was necessarily due to their condition and had to be graded continually.

NOTES.

Currie Bros. Co. bought a fine auto delivery car and are well pleased with the machine. Their Decoration day business was large and kept the force busy early and late at both the seed and the flower stores.

Edlefsen & Leidiger Co. report a large trade in bedding stock and cut flowers for Decoration day and also a considerable amount of funeral work.

G. Rusch & Co. report business beyond expectations and have plenty of stock to take good care of their rapidly increasing business.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones | Rsdolph 5449
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.
G. C. WEILAND, Sec'y.

GOOD SUPPLY OF Peonies

Extra select blooms of the choicest quality. We can supply these in any quantity in dozen, hundred and thousand lots. Special attention given to all orders. This is the place to buy.

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.50	\$ 1.00	.....	.....
Killarneys.....per 100	8.00	6.00	5.00	4.00	3.00	\$2.00	.....
White Killarneya.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Maid's.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Brides.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Carnations.....	3.00	2.00	1.50	1.00	.....	.....	.....
Callas.....	10.00	.....	.....	.....	.....	.....	.....
Easter Lilies.....	10.00	8.00	.....	.....	.....	.....	.....
Orchids, Cattleyas.....	40.00	35.00	25.00	.....	.....	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....	.....	.....
Sweet Peas.....	1.50	1.00	.75	.50	.....	.....	.....
Mignonette.....	6.00	3.00	.....	.....	.....	.....	.....
Peonies.....	1.00	.75	4.00	3.00	.....	.....	.....
Daisies.....	4.00	3.00	.....	.....	.....	.....	.....
Asparagus Plumosus Sprays..	4.00	3.00	2.00	.....	.....	.....	.....
Asparagus Sprengel Sprays..	4.00	3.00	.....	.....	.....	.....	.....
Mexican Ivy.....	.75	.....	.....	.....	.....	.....	.....
Smilax.....	25.00	.....	.....	.....	.....	.....	.....
Adiantums.....	1.00	.75	.....	.....	.....	.....	.....
Galax, Green or Bronze.....per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns.....	3.00	2.50	.....	.....	.....	.....	.....

GET YOUR CUT FLOWERS HERE

For June Weddings and School Closings.

The Quality of our Stock is Fine and our Prices are Right.

SEND ALONG YOUR ORDER—WE WILL DO THE REST.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.

PHONES { Central 2571
Automatic 48-734

CHICAGO

C. C. Pollworth reports business as good for Decoration day. The demand for bedding stock was fine and they are pretty well cleaned up on the large quantity that they had before the season opened.

Aug. Kellner says he is so busy with work now that he has more than he can handle and all the people want their work attended to first.

Richard Lietz reports the seed trade as good and is kept busy planting the flower beds and other articles which help beautify the homes.

Holton & Hunkel Co. report a fine trade for Decoration day, and they had a fine lot of stock to take care of their large business.

The Fox Point Floral Co. is shipping in some fine gladioli.

Fred Schmeling is cutting some fine carnations.

St. Louis.

SWEET PEAS VERY CHEAP.

The Memorial day business was a hummer. The retailers did a fine trade and the wholesalers also. Flowers were plentiful and reasonable. Now we have June weddings, school closings to help out. Sweet peas are now quoted at 35 cents to 50 cents. Gladioli are now arriving in all varieties.

NOTES.

The Union Florists, with J. A. Ent as manager, has opened a very pretty store in a good neighborhood. J. A. Ent was for quite a while in the employ of Robert J. Windler and is a good artist and landscape gardner and has a good knowledge in all branches of the florist business.

The Florists' Union met Monday evening at House of Flowers, over

U S Budlong's E Blue Ribbon Valley.

Ostertag Bros.' store. The nomination and election of officers was the feature. John Barnard, president; George Wagner, vice-president; Mrs. N. Kingley, secretary; M. Piper, recording secretary; C. Connon, sergeant at arms.

Mrs. Willie Clair McClue, formerly in the employ of Grimm & Gorly, is now with the Volkman Floral Co. This firm is enjoying a nice trade and always receives good prices for its work.

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St..

L. D. Phone Randolph 6578

Chicago.

E. F. WINTERSON CO.

166 N. Wabash Ave.,
CHICAGO

Headquarters for All Seasonable Cut Flowers

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

The next meeting of the St. Louis Florists' Club will be an important one. The trustees will announce locations for the annual picnic and the site will be chosen by vote. The bulletin committee will meet also. C. D. Wever will lead a discussion on overhead and subirrigation. F. H. Weber, state vice-president of S. A. F., will make a talk on convention matters.

The following wholesalers wish to announce that their stores will close at 5 p. m. on all days except Saturday and Sunday (on which days they will close at 12 o'clock noon), from June 17 to September 14, inclusive: Geo. H. Angermueller, Hy. G. Berning, Chas. A. Kuehn and the Wm. C. Smith Wholesale Floral Co.

The Paris Floral Co. will have to find a new location, as their store has been leased to a retail shoe store. They expect to locate in that neighborhood.

George Wagner, with Grimm & Gorly, is very busy these days. Commencement exercises keeps him busy arranging artistic bunches and bouquets.

Martin Reukauf, with H. Bayersdorfer & Co., is with us again; also Sprinkleproof Sam, with Wertheimer Bros., the New York ribbon firm.

Vincent Gorly reports the Memorial day trade as very good. He expects good business throughout the coming month.

Henry Kahrs is now shipping clerk at Grimm & Gorly's and had his hands full all week.

All the West End stores report good trade for Memorial day.

Jim North, with Alex Johnson, reports trade as very good. W. F.

BROOKLINE, MASS.—James F. Quinn was elected selectman at a special election held May 24, winning by four votes from the next highest competitor.

HARTFORD, CONN.—The principal feature of the meeting of the Connecticut Horticultural Society, held May 24 in the County building, was an exhibition of pansies by John Gerard of New Britain. Mr. Gerard gave an interesting talk on these flowers, speaking particularly on the varieties of the pansy. Wm. A. McKanzie of Bristol exhibited a vase of red and white tulips. S. F. Willard of Comstock, Ferre & Co., Wethersfield, spoke of his visit to Europe and particularly of the interest taken in their work by the German florists. The business transacted included the adoption of a new constitution for the society.

Washington.

MEMORIAL DAY EQUAL TO PREVIOUS YEARS

The Memorial day business was equal to if not exceeding that of previous years. There may have been some disappointment among growers and dealers who were not altogether sold out, but under the prevailing conditions they had reason to be thankful for selling as much as they did. The supply of stock was enormous, and it is a safe conclusion that there was enough cut stock in and around Wash-



Adolphus Gude, Washington, D. C.

ington to supply two cities of its size. Peonies, roses, both greenhouse and garden varieties, carnations, sweet peas, lilies, gallardias, gladiola, coreopsis, sweet williams, everything, in fact, that a florist or gardener can reasonably expect at this season was on the market. To all this must be added an immense volume of stock from the woods and fields. In the states of Virginia and Maryland, adjacent to the District of Columbia, there is a large colored population that for the week previous to Memorial day does a thriving business in blooming shrubbery and field flowers. Syringia, laurel, field daisies or any other flowers that they think can be sold are

industriously gathered and taken in by the wagon load, being generally sold outside of the market. Those who do not own horses and wagons bring in their stock on foot till they reach the street cars. It is no unusual sight to see a robust colored mammy with two baskets of flowers, either one of which would be a load for the average man. It is true that this stock is sold cheap, but it has an effect on the market. Another feature that to some extent affected the market this year was that everybody that had a garden had flowers of their own. The peonies were very fine and sold well to the better class of customers, but it was impossible to dispose of all of them and even at this writing the retail stores are full of them. The average retail price for Memorial and preceding days was \$1.50 per dozen. There may have been some selected stock that sold for \$2 and even \$3, but that was more than offset by what sold for 75 cents and \$1 per dozen. Sweet peas came in great quantities, both from greenhouses and gardeners. The plant trade was no inconsiderable feature. We cannot recall a time at this season when hydrangeas were so plentiful. They were in sizes ranging from five to eight inch pots and retailed at from 50 cents to \$1.50 each. Both white and pink spiraea were also on the market. The only stock in general demand that was not plentiful was good geraniums. Good geraniums readily wholesaled at from \$1.25 to \$2 per dozen. Throughout the past week weather conditions were exceptionally favorable for business, but very dry for the gardens. Rain fell on the night of June 2.

NOTES.

Adolphus Gude, who went to Los Angeles about April 27 to attend the supreme council of the Nobles of the Mystic Shrine, has returned home after an extended trip through California, Oregon and Washington state. He was accompanied by Mrs. Gude and their daughter Esther. The itinerary included a section of California noted for great trees, San Francisco, Oakland, Portland and Seattle. Mr. Gude was delighted with the trip and much impressed with the horticultural and agricultural productiveness of the Pacific coast states. The oranges, figs and other fruits of southern California were almost a revelation to him. Though he had often read and heard of it all, seeing was believing. The great calla fields was another feature in which, quite naturally, he was interested.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
 66 E. Randolph Street, Phone Central 1496. CHICAGO
Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

E. C. AMLING CO.

THE LARGEST,
 BEST EQUIPPED,
 MOST CENTRALLY LOCATED
 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.

68-70 E. RANDOLPH STREET
 CHICAGO.

L. D. Phones Central 1978 and 1977.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY WHOLESALE
 and CARNATIONS Grower of **CUT FLOWERS**
 A Specialty.....

Percy Jones

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

Wholesale Flower Markets

	CHICAGO, June 5.	Per doz.
Roses, Beauty, specials.....		3 00
" " 36-in.....		2 50
" " 30-in.....		2 00
" " 24-in.....		1 50
" " 15-20-in.....		1 25
" " 12-in.....		75@ 1 00
" " Short.....		Per 100
" Killarney.....		6 00@ 8 00
" White Killarney.....		3 00@ 8 00
" Richmond.....		3 00@ 8 00
" Prince de Bulgarie.....		4 00@ 10 00
" Mrs. Aaron Ward.....		4 00@ 10 00
" My Maryland.....		3 00@ 8 00
" Melody.....		4 00@ 10 00
" Bride.....		3 00@ 8 00
" Bridesmaid.....		3 00@ 8 00
" Uncle John.....		3 00@ 6 00
" Mrs. Jardine.....		4 00@ 8 00
Carnations.....		1 50@ 3 00
Callas.....	per doz., 1 50@ 2 00	
Cape Jasmine.....		1 50@ 3 00
Cattelyas.....	per doz., 4 00	
Daisies.....		2 00@ 3 00
Dendrobium Nobile.....		8 00@ 10 00
Gardenias.....		2 00@ 4 00
Gladioli.....	per doz., 75@ 1 50	
" Baby.....		4 00@ 5 00
Lilium Harrisii.....	per doz., 1 50	
Mignonette.....		2 00@ 4 00
Spanish Iris.....		6 00
Sweet Peas.....		60@ 1 00
Peonies.....		4 00@ 6 00
Valley.....		2 00@ 4 00
Adiantum Croweanum.....		1 00
Ferns.....	per 1000, 3 00@ 3 50	
Galax bronze.....		1 25
Leucothoe.....		75
Plumosa String.....	each, 60	
Smilax.....	per doz., 2 50@ 3 00	
Sprengerl, Plumosa Sprays.....		3 00@ 4 00

Warren-Detroit automobile of 30-horse power for delivery purposes.
 Z. D. Blackstone and family spent the week end at Atlantic City, N. J.
 A. F. F.

U S Budlong's E Blue Ribbon Valley.

HOERBER BROS.

Wholesale **Cut Flowers**
 Growers of
 Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.
 Store: 162 N. Wabash Avenue, CHICAGO

George H. Cooke and a couple of friends have been away for several days on a fishing trip. As visible evidence, they have sent home several large fish and are expected to bring a lot more with them.

George Leissler, whose store is at Twenty-second street and Pennsylvania avenue, N. W., and greenhouses at Livingstone Heights, Va., had a lot of very fine white and pink spireas for Memorial day.

Wm. F. Gude says that Memorial day brought more business to their store than they could well handle. Sixty thousand sweet peas were cut at their greenhouses on May 29.

Geo. C. Shaffer had a decoration for the first secretary of the British legation, June 3, in which 1,500 peonies were used.

John Robertson is handling a very fine new pink peony grown by Geo. Leissler, at Livingstone Heights, Va.

The dry weather is beginning to have a detrimental effect on field carnations, phlox and other stocks.

F. H. Kramer has just bought a fine

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
 Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO
 Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale **Cut Flowers**
 Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing



ROSES

White and Pink Killarney and Richmond
 Roses. Red, White and Pink Carnations.
 Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.
 Princeton, Ill.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio

Young Rose Stock WELCH BROTHERS,

American Beauty, Killarney, Richmond, Kaiserin,
 Bon Silene and Safrano. All clean, healthy stock.
 WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.
 Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley,
 Carnations, Killarney, Richmond, Maryland,
 and other seasonable stock.

SPHAGNUM MOSS

Fresh, clean, dry Sphagnum Moss, put up
 in burlap bales, now ready for prompt
 delivery.

GEO. H. ANGERMUELLER,
 Wholesale Florist.

1324 Pine Street, ST. LOUIS, MO.

Charles H. Totty

MADISON, NEW JERSEY
 Wholesale Florist

Chrysanthemum Novelties my specialty.

Mention the American Florist when writing

Cleveland.

DEMAND GOOD.

The peony season is at its best. Local stock which is arriving daily is all of a better quality both in size of blooms and colors, than the shipped stock which was about the only kind obtainable for Memorial day, and no doubt this will be the favorite flower for all occasions for June. Orchids have had a good call and will also continue in demand for some time. Lily of the valley and sweet peas are plentiful and of excellent quality. Outdoor stock for decorative purposes can now be had in nearly all colors. Roses of all kinds are abundant and of good quality both as to color and size. Carnations are in full crop, but the sun has already faded some of the Enchantress Pink. Windsor, however, seems to thrive under the same conditions. Centuria, larkspur, Canterbury bells, gladioli, daisies, etc. clean up daily. The extremely cold weather the past winter has frozen much of the stock on the cemeteries, and florists have been very busy replanting. Geraniums have brought a better price this year than for some years past and florists who made a specialty of these flowers claim they will go higher next year as it does not pay to grow them at the old prices. Greens of all kinds are plentiful.

NOTES.

Mrs. M. A. Fanning, founder of the "Flower Mission," announced that Wednesday would be flower day at the hospitals hereafter. She wants individuals to help the movement as well as florists. The object is to brighten the hospitals with the presence of beautiful sweet scented flowers. C. F. B.

SOMERVILLE, MASS.—Joseph A. Mahoney, formerly with T. F. Galvin, Boston, will move to a larger store at 219 Highland avenue. Mr. Mahoney is well known in Catholic, K. of C. and Elk circles and is a very popular entertainer.

Wholesale Flower Markets

PHILADELPHIA, June 5.		Per 100
Roses, Beauty, extra	20 00	25 00
" " first	8 00	12 00
" " Brides and Maids	4 00	10 00
" " Killarney	4 00	15 00
" " White Killarney	4 00	15 00
" " Liberty	4 00	15 00
Callas	8 00	10 00
Cattleyas	35 00	50 00
Gardenias..... per doz.,	1 00	2 00
Lilium Harrison	8 00	10 00
Lily of the Valley	3 00	5 00
Marguerites	75	1 00
Mignonne	3 00	4 00
Peonies	6 00	12 00
Snopdragons	8 00	12 00
Sweet Peas	5 00	1 00
Adiantum	1 00	1 50
Asparagus..... per bunch,	50	
Smilax	15 00	20 00

BOSTON, June 5.		Per 100
Roses, Beauty best	20 00	25 00
" " medium	12 00	20 00
" " culls	1 00	2 00
" " Bride Bridesmaid	2 00	6 00
" " Extra	2 00	6 00
" " Killarney and Richmond	2 00	8 00
" " My Maryland	2 00	8 00
" " Carnot	6 00	12 00
Carnations, select	1 00	2 00
Callas	8 00	12 00
Cattleyas	35 00	50 00
Gardenias	6 00	12 00
Lilium Longiflorum	4 00	8 00
Lily of the Valley	2 00	4 00
Mignonne	3 00	6 00
Narcissus, yellow	1 00	3 00
" white	1 00	3 00
Sweet Peas	25	75
Smilax	12 00	16 00
Snopdragon	6 00	8 00
Spires	2 00	3 00
Stocks	2 00	4 00

CINCINNATI June 5.		Per 100
Roses, Beauty..... per doz.,	50	4 00
" " Bride, Bridesmaid	2 00	8 00
" " Killarney	2 30	8 00
" " My Maryland	2 00	8 00
" " Perle	2 00	8 00
" " Richmond	2 00	8 00
" " Taft	2 00	8 00
Carnations	2 00	3 00
Lilium Gigantum	8 00	10 00
Callas	8 00	10 00
Gladioli	6 00	8 00
Lily of the Valley	3 00	4 00
Peonies	2 00	4 00
Sweet Peas	35	50
Adiantum		1 00
Asparagus Plumosus..... per bunch,	25	
Asparagus Sprengeri..... per bunch,	25	

ST. LOUIS, June 5.		Per 100
Roses, Beauty, medium stems	25 00	30 00
" " short stems	2 00	4 00
" " Bride, Bridesmaid	3 00	4 00
" " Killarney	3 00	6 00
" " My Maryland	3 00	6 00
" " White Killarney	2 00	6 00
Carnations	2 00	3 00
Callas	8 00	10 00
Raster Lilies		10 00
Peas	40	60
Valley	3 00	4 00
Asparagus Sprengeri	2 00	3 00
Asparagus Plumosus per bu.	35	60

BROOKLYN, N. Y.—Plans have been filed by the park department for a \$20,000 addition to the greenhouses in Institute park.

—THE—
J. M. McCullough's Sons Co.,
 Wholesale Commission Florists.
 —CONSIGNMENTS SOLICITED.—
 Special attention given to Shipping Orders.
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 Jobbers of FLORISTS' SUPPLIES
 SEEDS and BULBS.
 Price List on Application.
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 Phone Main 584.

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WM. C. SMITH
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 WHOLESALE FLORISTS
 1316 Pine St., ST. LOUIS, MO.
 Both L. D. Phones. Supplies and Everything in Season always on hand

Fresh Cut Valley
 AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
 1312 Pine St., ST. LOUIS, MO.
 A Complete Line of Wire Designs.

THE MUNK FLORAL CO.
 Wholesale Growers of CUT
 FLOWERS and Jobbers of
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Columbus, Ohio

C. E. CRITCHELL
 34-36 Third Ave. East, CINCINNATI, O.
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 Complete Stock of Florists' Greens and Supplies
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C.C. POLLWORTH CO.

MILWAUKEE'S
LEADING PLANT,
CUT FLOWER AND
FLORIST SUPPLY
HOUSE.

There will be a Good Demand for BEAUTIES - VALLEY - CATTLEYAS

To be used for June Weddings and Commencements. We advise getting our quotations—they will interest you.
New Near-By Dagger Ferns, per 1000, \$1 50.

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HOLTON & HUNKEL CO.

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Choice Roses, Carnations, Violets, Valley,
Tulips, Peonies, Lilies,
AND ALL OTHER
CUT FLOWERS and GREENS

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121 Seventh Street, PITTSBURGH, PA.

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Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission
Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

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Removed to
1608 Second Ave., SEATTLE, WASH
Everything in Cut Flowers, Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

Budding Knife

Free

See Page 1200.

BUFFALO, June 5. Per 100

Roses, Beauty, special.....	20 00@25 00
.. .. fancy	15 00@20 00
.. .. No. 1.....	12 00@15 00
.. .. No. 2.....	8 00@10 00
Bon Silena	3 00@ 5 00
Maid and Bride	2 00@ 3 00
Pink Killarney	3 00@ 6 00
White Killarney	3 00@ 8 00
Richmond	5 00@ 8 00
My Maryland	3 00@ 6 00
Kaiserine	3 00@ 8 00
Carnot	4 00@ 7 00
Carnations.....	1 50@ 2 50
Callas.....	6 00@ 8 00
Iris.....	1 50@ 2 01
Lilium Longiflorum.....	7 00@10 00
Lily of the Valley.....	3 00@ 4 00
Mignonette	2 00@ 3 00
Passies..... 5 to 25c per bunch	
Peonies.....	3 00@ 5 00
Swainsona	50@ 1 00
Sweet Peas.....	50@ 1 00
Tulipa, Yellow and White	1 00@ 2 00
Adiantum Crowesnum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus Sprongerl.....	35@ 50
Ferns..... per 1000, \$2 50	
Galax..... per 1000, \$1 50	
Smilax.....	15 00

PITTSBURGH, June 5. Per 100.

Roses, Beauty, special.....	25 00
.. .. extra	12 00@25 00
.. .. No. 1.....	6 00@10 00
.. .. Bride, Bride'smaid.....	2 00@ 4 00
.. .. Chatsany.....	2 00@ 4 00
.. .. Killarney.....	2 00@ 4 00
.. .. My Maryland.....	2 00@ 4 00
.. .. Richmond.....	2 00@ 4 00
Carnations.....	1 50@ 2 00
Cattleyas.....	50 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Sweet Peas.....	50
Violets, single.....	25
.. .. double.....	50
Adiantum.....	1 00
Asparagus Sprongerl, per bunch.....	35
.. .. sprays..... per bunch.....	35

MILWAUKEE, June 5.

Roses, Beauty..... per doz., 1 00@ 3 00	
.. .. Killarney.....	3 00@ 8 00
.. .. Richmond.....	3 00@ 8 00
.. .. White Killarney.....	4 00@10 00
Carnations	1 50@ 3 00
Daisies.....	50@ 1 00
Baby Gladioli.....	2 00@ 4 00
Lilium giganteum..... 1.50 doz.	10 00
Lily of the Valley.....	3 00@ 4 00
Peonies.....	3 00@ 4 00
Snapdragons, per bunch.....	50@ 1 00
Sweet Peas.....	50@ 1 00
Swainsons..... per bunch.....	35@ 50
Asparagus..... per string.....	50
.. .. Sprongerl, per bunch.....	35
Ferns, Fancy..... per 1000.....	3 00
Galax..... per 1000.....	1 50
Smilax..... per doz.,	2 50

New York.

MEMORIAL DAY TRADE UNSATISFACTORY.

With the possible exception of Tuesday the business done on Decoration day week was most unsatisfactory. Those dealers who were fortunate enough to have large shipping orders on Tuesday did very well. It is remarkable where all the good quality carnations came from. The growers who preferred to hold back their shipments until Wednesday and Thursday will find their prices much lower than if they had shipped them in the day before, when they could have been shipped out of town. As it was, thousands of carnations were thrown away the latter part of the week. The market was flooded with peonies, roses, lily of the valley and orchids. Monday and Tuesday peonies sold very well. Festiva Maxima and some others of the finer varieties were bought up quickly, but on Wednesday very heavy shipments from Pennsylvania were received and they had to be cleared out at very low prices. With roses, American Beauties are meeting with the best demand, but there is only a very small percentage of these coming in that are of good quality, the majority being very poor, blooms very small and imperfect foliage. Special grades of Prince de Bulgarie, Madam Chatenay, Mrs. Aaron Ward and My Maryland did fairly well, but the top grades of Killarney and Richmond show the effects of the warm weather and are moved with difficulty. Nothing favorable can be said of the first quality Brides and Bridesmaids, which are more plentiful than ever, and large shipments of roses are disposed of by the box just as received from the grower. The supply of lilies far exceeds the demand and if not disposed of at once spoil very quickly. The orchid market is demoralized and it seems impossible to dispose of the surplus, even to the street men. Cattleya Gigas are doing better than the other varieties. Sweet peas of the best quality meet with a very fair demand, but there are so many shipments of inferior quality flowers that the quotations are very varied. There is the usual supply of antirrhinum and iris, but these, too, feel the effect of the hot weather very quickly. There is a steady demand of double stocks of the best quality and some of these are very fine indeed. Outdoor valley or frame valley is very plentiful and prices realized are very small. Taken as a whole, the week's business has been very unsatisfactory and disappointing.

Monday noon, June 3.—The weather is all that could be desired. Stock of all kinds is plentiful. While there is considerable doing, there is not sufficient demand to advance prices.

NOTES.

Richard Hallaman, who is vice-president of the International Exposition Co. of the new Grand Central Palace and president of the Eden Musee Co., is deeply interested in the coming national flower show and will endeavor to introduce many attractions to interest the public. Recently at the Eden Musee there was presented at a private performance a new Mineto film, showing interesting incidents from the plant and vegetable kingdom, made visible by speed magnification. Some of the subjects named and shown were: A day in the life of a snow drop; Ripening of the edible chestnut; Ripening of the seed pod of a willow herb; Double cottage tulips opening in the sun; Double anemones; Nasturtiums, and Hybrid perpetual roses. These and other interesting subjects will probably be shown at the time of the National Flower Show in April.

Werthelmer Brothers report a very large sale of their anti-tinfol ribbon which is used for wrapping the stems of bouquets in place of tinfol, the in-

IMPORTERS

HENRY M. ROBINSON & CO.

Wholesale Commission Florists and Florists' Supplies

46 West 26th Street, - NEW YORK

A large stock of Bay Trees, Boxwoods, Rhododendrons, Azaleas, Roses, Evergreens, Climbing Vines, etc., on sale at our new William Street Show and Salesroom. Inspection invited.

P. H. GOODSSELL W. E. MAYNARD

200 Broadway, NEW YORK CITY 157-159 William St. (Basement)

EXPORTERS

side of the ribbon being waterproof. They also report a large demand for their latest novelties in both ribbons and chiffons to be used for bridal work.

Another old established florist store has disappeared from the down town Broadway section. The store occupied by the late Henry Butler at 918 Broadway for years is now closed. Eugene McCann, who has conducted the business for many years, is now located at 18 East Forty-sixth street.

the early part of the week, they were moved with difficulty after Tuesday.

William Duckham of Madison, N. J., who was unable to join the party attending the International Exposition in London, will take a European trip immediately after the convention in August.

The new store opened by M. A. Bowe at 6 East Thirty-third street, is a "beauty" and is splendidly located in the fashionable Fifth avenue section, very near the Waldorf-Astoria hotel.

It is reported that William Plumb of South Natick, Mass., and more recently of New Rochelle, N. Y., is now associated with Thomas Young, Jr., at his Fifth avenue store.

Chairman I. S. Henderson, chairman of the exhibition committee, announces that there will be an exhibition of peonies at the next meeting of the club.

Letters received from Harry A. Bunyard and Charles H. Totty announce the return of many of the visitors by the SS. Campania on June 15.

The Foley Mfg. Co., Chicago, have closed a contract with Anton Schultheis, College Point, L. I., for two new houses 30x150 feet each.

The best gladioli in the market, Mrs. Frances King and Augusta, are seen at P. J. Smith's, 49 West Twenty-eighth street.

Charles B. Weathered of the Weathered Co. has returned from a successful business trip to Philadelphia and vicinity.

Alfred T. Bunyard has opened his Newport, R. I., branch and will move there shortly with his family.

John I. Raynor and Mrs. Raynor are stopping at Spring Lake, N. J., for the summer.

The following scores were made at the bowling alleys Friday night:

Nugent	99	128	148	108
Shaw	113	124	114	147
Kakuda	209	142	158	184
Mouda	172	128	132	199
Irwin	142	156	189	190
Chadwick	256	164	182	124

Y.



Home and Abroad.

Harry A. Bunyard and Chas. H. Totty in London,

Weigand Bros. of Secaucus, N. J., are sending large shipments of frame valley to Traendly & Schenck. This firm a few years ago were noted for the very fine hybrids and Gen'l Jacqueminot roses which they grew. Their houses have been demolished and property sold in building lots.

The raising of the rents of the florists' stores in the neighborhood of Fifth avenue and Forty-second street is being severely felt by those in that locality. It is rumored that old established firms in that neighborhood will move to Broadway and Seventy-second street in the fall.

Wm. P. Ford had a very large supply of peonies, especially Festiva Maxima, for Decoration day week, and while they cleaned out fairly well in

BRISTOL, CONN.—Terry & Peck have charge of setting out the flower beds in Central park.

BROOKLYN, N. Y.—At a meeting of the Home and Country Committee of Chiropean, May 24, the program consisted of stereopticon views and an interesting lecture on "National Plant, Flower and Fruit Guild," by Mrs. Cornelia Hood. In eleven cities and 350 towns of the United States the Guild has made arrangements for the free delivery of plants, fruits and flowers within a radius of 100 miles. The Guild furnishes the material and instruction for gardening for poor children and to encourage them prizes are given for the best kept gardens and the finest products.

PHILADELPHIA NEW YORK WASHINGTON
S. S. Pennock-Meehan Co.
 WHOLESALE FLORISTS
 109 West 28th Street, NEW YORK
 Everything in Cut Flowers.
 PERCY B. RIGBY, Treasurer. Everything in Supplies

Traendly & Schenck,
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 131 & 133 WEST 28th ST
 Phone: 798 and 799. NEW YORK

Charles Millang
 WHOLESALE FLORIST
 55 and 57 West 26th St., NEW YORK
 Telephone: 7082-7083 Madison.

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 WHOLESALE FLORISTS
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 PHONES 1684 } Madison Sq.
 1665 } Consignments Solicited

N. Y. Cut Flower Exchange
 Cooper Bldg., 6th Ave. & W. 26th St., New York
 Open for Cut Flower Sales at 6 o'clock Every Morning.
 Desirable wall space to rent for advertising.
V. S. DORVAL, Secretary.
 Mention the American Florist when writing

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 Cut Flowers at Wholesale
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 111 W. 28th St. Telephone 6237 Madison Square NEW YORK

A. L. YOUNG & CO.
 Wholesale Florists
 Consignments Solicited
 Telephone, 3559 Madison Square.
 54 West 28th St. NEW YORK
 Mention the American Florist when writing

P. J. SMITH, Successor to John I. Raynor,
 Wholesale Commission Florist, LARGEST GROWERS
 The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited.
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 49 West 28th Street New York City

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 Wholesale Florists
 Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pines and Laurel Roping.
 Phones 1415-1416 Madison Sq
 53 W. 28th St., bet. Broadway and Sixth Avenue, NEW YORK
 Mention the American Florist when writing

OFFICIAL S. A. F. Shipping Labels
 FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.
AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Paul Meconi
 Wholesale Florist
 55-57 West 26th Street
 NEW YORK CITY
 Telephone: 3884 Madison Square
 Mention the American Florist when writing

Wholesale Flower Markets

	NEW YORK, June 5.	Per 100
Roses, Beauty, special	15	00@20 00
extra and fancy	8	00@15 00
" No. 1 and No. 2	2	00@ 6 00
" Bride, Bridesmaid, special	1	00@ 4 00
extra and fancy	2	00@ 3 00
" No. 1 and No. 2	5	00@ 1 00
" Killarney, My Maryland	4	00@ 6 00
extra and fancy	2	00@ 3 00
" No. 1 and No. 2	1	00@ 1 50
Richmond	1	00@ 6 00
Carnations	50	@ 3 00
Cattleyas	10	00@25 00
Gardenias	2	00@15 00
Lilies, Longiflorum and Harrisii	2	00@ 5 00
Lily of the Valley	1	00@ 3 00
Sweet Peas, per doz, bunches	25	@ 75
Adiantum Croweanum	50	@ 1 00

Moore, Hentz & Nash,
 WHOLESALE COMMISSION FLORISTS
 55 and 57 West 26th Street,
 Telephone No. 756
 Madison Square, NEW YORK
 Mention the American Florist when writing

WM. A. KESSLER
 Successor to Kessler Bros.
 113 W. 28th St. NEW YORK.
 CUT FLOWERS
 WHOLESALE PLANTSMEN AND FLORISTS
 phone 2338 Madison. Shipments Everywhere
 Prompt and satisfactory. Consignments solicited
 Mention the American Florist when writing

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 Successor to FORD BROS.
 Receivers and Shippers of **FRESH FLOWERS.**
 121 West 28th St., NEW YORK
 Telephone 3870-3871 Madison Square
 Mention the American Florist when writing

HORACE E. FROMENT
 WHOLESALE COMMISSION
 American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.
 57 West 28th St., NEW YORK CITY
 Telephones: 2200 and 2201 Madison Square

The Kervan Company
 FRESH CUT EVERGREENS
 and Mosses, Decorating Material for Florist Trade, at Wholesale.
 TELEPHONES MADISON SQUARE 1519-5893
 119 West 28th Street NEW YORK
 Mention the American Florist when writing

Walter F. Sheridan
 WHOLESALE FLORIST,
 Telephones: 3532 and 3533 Madison Sq.
 131 & 133 West 28th St., NEW YORK

1888 1912
GUNTHER BROS.
 Wholesale Florists
 110 West 28th Street, NEW YORK
 Tel. 551 Madison Square
 CONSIGNMENTS SOLICITED

WILLIAM H. KUEBLER
 Wholesale Commission Dealer in
CUT FLOWERS
 28 Willoughby Street,
 Tel. 4591 Main. BROOKLYN, N. Y.

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employes. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employes) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

Baltimore.

BUSINESS EXCEEDINGLY GOOD.

Decoration day dawned clear and bright, an ideal May day. The trolley was crowded with people on their way to the cemeteries to pay tribute to their dead. Especially the soldiers' graves received marked attention. Men have recognized the rose as a warrior's flower, for there is a wondrous rose of orange yellow deeping into saffron that is named for Gen. Robet. E. Lee.; a vivid red rose bears the name of "Admiral Schley"; one of delicate pink is christened "Admiral Dewey." Then there is one tinted red and white, "Flag of the Nation." "My Maryland," a soft creamy pink, and "Virginia," a rose of clear golden yellow. A rose of coral pink is dedicated to Clara Barton. The red roses of Lancaster and the white roses of York drooped above English battle fields. Their beauty has from that time been associated with the ardor of love, the flush of combat and the pallor of death. So the sentiment of flowers is borne to us on that day and we particularly remember those who gallantly fell in battle. Business was exceedingly good on Decoration day. A profusion of both indoor and outdoor flowers. King Peony was there as well as Queen Rose in abundance. The indoor roses are beginning to show the effects of warm weather, being smaller in size, and the foliage is taking on some mildew. The fireman's duty is about over for this season, though these very cool nights a little fire would help to keep off the mildew, which does so much to spoil the appearance of the rose. Many beautiful floral pieces were sent to Elkton from Baltimore in memory of ex-Gov. Crothers of Maryland. The casket was covered and surrounded by beautiful designs from all over the state. Hundreds of men and women came from all parts of the state and his own county to do him honor. He was buried at West Nottingham, Cecil Co., his old home, and much sorrow was expressed by those who knew what an honorable and faithful man he had proved to his state while holding the reins of Governor. This has been a week of commencements and graduating of nurses and a great many flowers are used at these events.

NOTES.

The entertainment last Monday evening by the Florists' Club of this city



FANCY FERNS, \$2.25 per 1000.

- New Crop Galax, Bronze or Green..... \$1.25 per 1000
- Sphagnum Moss, large bales..... \$2.50
- Leucothoe Sprays, Green..... \$1.00 per 100; \$7.50 per 1000
- Boxwood..... per pound 20c; 50-pound case, \$7.50
- Magnolia Leaves, Imported Green and Bronze. Basket, \$2.25; 6 baskets \$2 each
- Sheet Moss in Bags for Hanging Baskets, Large Bags..... \$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,
713-717 Milwaukee Ave., CHICAGO

was very enjoyable. A very good musical program was given and dancing was indulged in by the young folks. Refreshments were served and about 300 persons were present. The rooms were decorated with palms and cut flowers and all voted a good time.

The coal men have been paying visits and booking orders for winter fuel. The bituminous coal ranges about the usual figures and the strike does not apply to that quality. No advance over last year in prices. We trust this may hold good among all the dealers and in other localities besides our own.

B.

Dubuque, Ia.

Memorial day week was the best we have had in 40 years but early spring trade was rather slow, owing probably to cold weather.

G. A. Heyne has rented his greenhouses to the park commission and is now superintendent of parks.

Harkett's Floral Nursery is adding a Lord & Burnham iron frame rose house 50x150 feet.

MIDDLETOWN, N. Y.—J. Meiklejohn has leased the store at the corner of Wickham avenue and North street, and after renovating it will open an up-to-date florist store.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc..

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSESSES**

E. A. BEAVEN, Evergreen, Ala.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax. New crop Fancy and Dagger Ferns will be ready May 5th to 10th, we are booking orders now. Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALA.

Live Spagnum Moss

Finest quality for mixing with peat or for top dressing.

THE C. W. BROWNELL CO.
WALDEN, N. Y.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing



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Brooklyn, New York.

"WILSON"

145 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —

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200,000 Square Feet of Glass.

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Mail, Telephone and Telegraph orders filled
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Successor to Slevers & Boland

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ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

June 9.

FROM MONTREAL, Sicilian, Allan.

June 11.

New Amsterdam, Holl.-Amer., 10 a. m., Ho-
boken Pier.
Kronprinzessin Ceecie, No. Ger. Lloyd, 10 a. m.,
Hoboken Pier.

FROM BOSTON, Franconia, Cunard, East Bos-
ton Dock.

June 12.

Manretania, Cunard, Piers 54 and 56, North
River.

Saxonia, Cunard, Piers 54 and 56, North River.
FROM BALTIMORE, Rhein, No. Ger. Lloyd, 2
p. m., Pier 9, Locust Point.

June 13.

Cedric, White Star, 12 noon, Piers 59 and 60,
North River.

Amerika, Ham.-Amer., 9 a. m., Hoboken Pier.
La Lorraine, French, Pier 57, North River.
FROM PHILADELPHIA, Prince Adalbert,
Ham.-Amer., 11 a. m.

June 14.

Finland, Red Star, 9 a. m., Pier 61, North
River.

FROM MONTREAL, Corsican, Allan.
FROM QUEBEC, Empress of Ireland, Can. Pac.,
3:30 p. m.

June 15.

Carmania, Cunard, Piers 54 and 56, North
River.

Olympic, White Star, 10 a. m., Piers 59 and 60,
North River.

Lapland, Red Star, 10 a. m., Pier 61, North
River.

St. Louis, Amer., 9:30 a. m., Pier 62, North
River.

California, Anchor, 9 a. m., Pier 64, North
River.

Pretoria, Ham.-Amer., 9 a. m., Hoboken Pier.
Princess Irene, No. Ger. Lloyd, 11 a. m., Ho-
boken Pier.

George Washington, No. Ger. Lloyd, 10 a. m.,
Hoboken Pier.

FROM MONTREAL, Scandinavian, Allan.
FROM MONTREAL, Teutonic, White Star-Dom.,
daylight.

Alexander McConnell,

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and all principal cities in Europe. Orders
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our selection for delivery on steamships
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Frank Valentine

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Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.

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Telephone 2065-2086 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK
And give special attention to steamer and theater
orders. Prompt deliveries and best
stock in the market.

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The Texas Seed and
Floral Company

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

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Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

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St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
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LEADING FLORISTS OF THE NORTHWEST

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave.
Kansas City and
Pleasant Hill, Mo. Will fill all orders for Cut
Flowers, Funeral Designs,
Wedding and Birthday Gifts
that may be entrusted to them

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Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.**

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Artistic Designs.
High Grade Cut Blooms.

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Both Phones, 527.

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President.

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"Penn, The Telegraph Florist"

Members of Florists' Telegraph
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37-43 BROMFIELD STREET.

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Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Coan, Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freemao, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hateher, Florist, Amsterdam, N. Y.
Hateher, Florist, Schenectady, N. Y.
Heint & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Joy Floral Co., Nashville, Tenn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kitt, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
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Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
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Personal Attention to all Orders.

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Flowers in any arrangement for all occasions.
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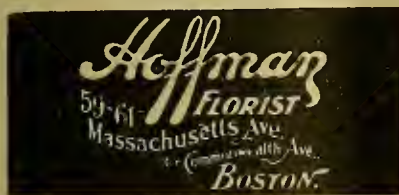
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We Cover All Points in Ohio.



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All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

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Send flower orders for delivery in
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Cut Flower Merchants
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Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
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Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
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Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
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Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
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Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Laue, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
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Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
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Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
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Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—E. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Newark, Ohio—Chas. A. Duerr.
Nashville, Tenn.—Geny Bros.
Nashville, Tenn.—Joy Floral Co.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
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Philadelphia—Robert Kift, 1725 Chestnut.
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Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
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St. Louis, Mo.—Young's, 1406 Olive St.
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St. Paul, Minn.—L. L. May & Co.
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San Francisco—Podesta & Baldocchi.
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Established 1849

David Clarke's Sons
FLORAL DECORATORS
2139-2141 Broadway,
Telephones: 1552-1553 Columbus
Choice Cut Flowers.

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224-226 Grant Avenue
Prompt and careful attention to orders
from out-of-town florists.

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Will fill your orders for designs and cut flowers in
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Flowers or Design Work.
Delivered in Albany and Vicinity on
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Canada's best known and most reliable florist
Only the Best
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We deliver anywhere in Canada and guarantee
safe arrival.

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Will take proper
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Careful Attention To All Orders.

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FINE SALE FOR GERANIUMS.

A very good business is the report from all who have either pot plants, bedding stock or cut flowers. Everyone will have plenty of almost everything left for stock plants. Although each one reports the sale of more plants than ever before, which shows that they were all well stocked on about everything. The call for geraniums has been greater than ever before and only one place has anything like a surplus. Everyone practically sold out and a few even going from the unplanted stock plants. A few years ago, when we first arrived here from Ohio, we found practically no call for geraniums and two or three hundred were plenty for any florist to provide. Even then a goodly number generally remained on hand for stock. The sale of a dozen in a lot was uncommon, but now the sale of a hundred for a bed is not unusual. Practically the one red—sold as "Nutt"—is the variety limit. Back east we always handled the same variety as "John Doyle," but at any rate it is the best red, and that is the one wanted. Not many outdoor cut flowers are available. Lilacs are gone, peonies are too late, bulbous stock about gone and roses and snowballs rather late. Several of our florists have put tomato plants in the carnation beds that are now so far along that the carnations are practically ruined, so the carnations are not plentiful enough to go around. Peonies are coming from Oregon and several other kinds of cut flowers will also be received from there. Every one who has planted asters out has them coming on in extra good condition for a start, as our late rains made them all start right along. Carnations are all planted out and we have never had such a splendid season for this work before.

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FLORISTS.

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Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

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H. W. Buckbee

Joseph Heacock Company's Palms & Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana			
Pot	Leaves	In. high	Each
2 1/2-in.	4	8 to 10	\$ 1 50
3-in.	5	12	2 00
4-in.	5	15	\$0 35
5-in.	6 to 7	18	50
6-in.	6 to 7	21	1 00
Cedar tub	Leaves	In. high	Each
7-in.	6 to 7	34 to 36	2 50
9-in.	6 to 7	40 to 45	4 00
9-in.	6 to 7	42 to 48	5 00
9-in.	6 to 7	48 to 54	6 00
9-in.	6 to 7	5 ft.	7 50

Cocos Weddelliana			
Pot	In. high		Per 100
2 1/2-in.	8 to 10		\$10 00

Areca Lutescens			
Cedar tub	Plants in tub	In. high	Each
9-in.	Several	5 ft.	\$7.50

Kentia Forsteriana—Made up				
Cedar tub	Plants	In. high	Each	Doz.
7-in.	4	35	\$ 2 50	\$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 43	5 00	60 00
9-in.	4	48 to 54	6 00	
12-in.	4	5 1/2 to 6 1/2 ft.	15 00	

Phoenix Roebelenii			
Pot			Each
5-in.	nicely characterized		\$1 00
6 in.	18 to 20-in. spread		1 50
Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	\$2 00

Cibotium Schiedei			
Cedar tub	Spread		Each
9-in.	4 feet		\$3 00
9-in.	5 feet		5 00
9-in.	6 feet		6 00

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We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your own convenience, both going and coming. When you will see our Palms of all sizes, from 2 1/2-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station, Jenkintown.

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June and July Delivery

We will have a fine lot ready early in July. Extra Strong 2 1/2-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2 1/2 in., \$5 per 100; \$45 per 1000.

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Rooted cuttings from now until Oct 1st at \$10.00 per 1000. Have none but Nutt, Poitevine and Ricard.

Smilax

Well hardened plants that give good results at \$1.50 per 100; \$12.50 per 1000.

Plumosus and Sprengeri

Extra fine Plumosus at \$25.00 per 1000. Four-inch Sprengeri at \$3.50 per 100.

ALBERT M. HERR, Lancaster, Pa.

Ferns for Dishes

2 1/4 in. per 100 per 1000
 \$3.50 \$30.00
Asparagus Plumosus, 2 1/4-inch, \$3.50 per 100; \$30.00 per 1000. 3-in., \$6.00 per 100. 500 at 1000 rate. Cash with order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

The Two Best Roses of The Year

Killarney Queen and Double White Killarney

Grafted plants for immediate delivery, \$30 per 100; 250 for \$70; \$250 per 1000. Own Root, \$25 per 100; \$200 per 1000.

RICHMOND, Grafted, \$15 per 100; \$120 per 1000; Own Root, \$7.50 per 100; \$60 per 1000.

MRS. TAFT, (Rivoire.) Own root, \$7.50 per 100; \$60 per 1000.

RADIANCE, Own root, \$7.50 per 100; \$60 per 1000.

A. N. PIERSON, Inc., Cromwell, Conn.

Des Plaines Floral Co Carnations.

Des Plaines, Illinois

Mention the American Florist when writing

Double Fringed Petunias, Heliotrope, Queen of Violets, Geraniums, Nutt and Hill, 2 in. pots, per 100, \$2.00; Geranium Mme. Buchner, 2 in. pots, per 100, \$1.50. Daisy, Mrs. F. Sander, 2 in. pots, per 100, \$3.50. Chrysanthemums, 8 var., 2 in. pots, per 100, \$2.00. Bellis Daisy, white and pink, good plants, 50c. Pansy, Early Spring seedlings, now ready, of our choice strain, \$2.50 per 1000; 5000 for \$10.00. All carefully grown—prompt shipment.

Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Mention the American Florist when writing

CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE - INDIANA.

Mention the American Florist when writing

FLOWER COLORS

Use our Color Chart in describing them

PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.

440 South Dearborn Street, CHICAGO

The Seed Trade.

American Seed Trade Association.

Lennard H. Vaughan, Chicago, President;
Marshall H. Duryea, New York, First Vice-
President; Edgar Gregory, Marblehead,
Mass., Second Vice-President; C. E. Kendel,
Cleveland, Ohio, Secretary and Treasurer.
Next annual convention at Chicago, June
25-27, 1912.

THE acreage of peas put out in Michigan is said to be light.

PACIFIC COAST reports some drought, carrot crops looking none too well.

COUNCIL BLUFFS, IA.—Di Giorgi Bros. report that the business this year has been more than double that of last, and they were hardly able to handle it. They will build a one-story building with basement, 46x100 feet, on Third street and Fourteenth avenue.

SASSENHEIM, HOLLAND.—Hyacinths, narcissus and tulips look well and prospects are for a good crop with ripening season a few days earlier than last year. The bulb prices in the green auction sales remain high for nearly all kinds while Darwin tulips will average double last year's price.

NORFOLK, VA.—The Hubert Bulb Co. has just received notice that it has been successful in securing a large portion of the government order for bulbs. The department states that it is willing to place this order, owing to the superior quality of American-grown bulbs, in spite of the fact that the bids of foreign bulb growers were uniformly less.

TOULON, FRANCE.—Immortelle plants have not been damaged during the month of May and should make a fair crop. Those plants damaged in April will not have many flowers. Taken as a whole the growing crop will be less than an average one. It is expected that the wholesale price for colored flowers will be from 60 to 70 francs per 100.

BOSTON, MASS.—Breck's Club held its monthly meeting May 25 in the large hall connected with the store building. Geo. H. Burhart gave an interesting talk on salesmanship. A committee was appointed to make arrangements for the July outing. An informal entertainment by the members followed. About 40 members were present and James T. Carroll presided.

CHICAGO.—Inspection of the Northwestern section of the Cook County Onion Set growing district June 1 indicates less than two-thirds stand in some fields and it is believed by those who have seen the fields that the damage is caused by smut. In the southern section maggots are at work in some fields. Information so far received is rather meager.—Prices on the Board of Trade, June 5, for grass seed were noted as follows: Timothy, \$8 to \$13 per 100 pounds.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Prison Penalty Seed Bill.

The amended prison penalty seed bill will be found on page 1208 of this issue. If this bill becomes law every seedsman is liable to go to jail for accidental breach of the law. The most careful are liable to make mistakes and no doubt the prison bars will close around many seedsmen through no fault of their own. The time to stop this kind of thing is now, writing your congressman at once, protesting against prison penalty bill H. R. 22340. It will be useless to protest when the jailer gets you and puts you in the pen some fine hot August day with the malefactors of all nations. Write today.

Condon Bros., Rockford, Ill.

Condon Bros., wholesale seed dealers, are erecting a warehouse in Cedar street that will facilitate the handling of their large and growing enterprise. The location is 634-636 Cedar street, adjoining the Coan Paper establishment. The new structure will be 40x85 feet, three floors and basement. It will be solid brick and semi-fireproof, and will be a fine addition to the wholesale establishments in this city. It will be equipped with the latest machinery for cleaning, grading and picking. The warehouse will be for the wholesale trade only. It is located on the C. & N. W. tracks, thus giving good shipping facilities.

Condon Bros. have been established in the business one year and that they have progressed to the extent of needing as large a building as they are erecting shows more than ordinary enterprise. They have a retail store in West State street.—Rockford News.

Asking Credit.

The amount of credit a florist should expect should not exceed the amount of money his bank will lend him. Some florists have a horror of banks and banking business and shrivel up as soon as they enter the door. This is wrong. A bank is merely a place to go and buy the use of money, just as a grocery store is the place to buy sugar, and if your bank won't give you the amount you want, try another—that's business.

There is one cardinal principle among bankers and credit men, and that is absolute honesty. It is absolutely necessary that you be honest with your banker, the same as with your doctor or lawyer. There is no happy medium in this respect. Any banker prefers an honest poor man to a dishonest rich man, and the former will always get more than the latter—that is, more actual accommodation. Except in times of panic it is no accommodation for a bank to loan on gilt edge security—you can pawn securities that are good almost any place; but you can't discount your note any place, and therefore integrity is the basis of banking accommodations.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Now if you can get the credit you need at your bank, that's the place to get it; and in the florist business discounts for cash are so large that it pays you to borrow at your bank and discount your bills. If you can and will do this, in a few years you will find you are in a better class—the King of Merchants—besides banks want you to come and borrow money when they know you are good for it; that's the way they make a profit.—Ward's Horseshoe Bulbology.

The Annual Seed Farce.

Have you received your seeds yet? Oh, it doesn't matter whether you have a garden or not. One of the great privileges of our statesmen at Washington is to send to the folks at home tons of seeds, ranging from Japanese morning glories to Indian squash. These, the story goes, are expected to be planted, observed and reported to congress in order that others may learn from your experience.

The other day one Congressman Jackson, of Kansas, proposed that this distribution of seeds be put into the care of the Agricultural Department and that, incidentally, seeds should be tested and be somewhat fresh, before they are sent out to the farmers of the country. His idea, too, was that seeds should only be sent to persons who intended to plant them and that it should be left largely to the farmer whether he should be sent a package of alfalfa or a pound of poppy seeds or a miscellaneous collection of medicinal herbs.

Mr. Jackson's suggestion was offensive to his fellow congressmen. It seemed as direct a slap against personal rights as that other dreadful suggestion of Congressman Prouty of Iowa, who had the temerity to ask that free baths and barber shops for our statesmen be dispensed with. His motion failed of support.

Consequently, if you have been overlooked, send your name in and get your "rights." As far as sending in the result of your observation, that is totally unnecessary. The practice of seed distribution gives seed houses a chance to unload on the government all their old stale stock, adds an enormous amount to the mail tonnage each year, and is altogether a silly farce, but as a "sacred right" the custom must go on until the farmers of the country demand that the seed distribution be made a part of the expert's work in the Department of Agriculture.—Miami Metropolitan.

Established 1810.

Denaiiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

VICK QUALITY

SEEDS

PLANTS

BULBS

ASK FOR WHOLESALE CATALOGUE.

JAMES VICK'S SONS

Seedsmen,
Rochester, N. Y.

SURPLUS OFFER

Kentucky Blue Grass Seed.

SAMPLE	WEIGHT	PRICE
No. 19	19 Pound Test.....	\$3.35 per bu.
D	19 " " ".....	3.10 "
E	15 " " ".....	3.00 "
F	12 " " ".....	2.65 "

Freight paid to all points East of the Mississippi, shipped in original sacks, 112 pounds each.

FANCY RECLEANED ALFALFA SEED

14c POUND. F. O. B. BALTIMORE.

We are Large Wholesale Dealers in Grasses, Clovers, Field Seeds, Etc. Samples and Special Prices cheerfully given on your requirements.

J. Bolgiano & Son

Wholesale Seed Merchants
 Almost 100 Years' Established Trade
 MAIN OFFICE: Pratt & Light Streets.
 PIER: Montgomery St. & The Harbor.
BALTIMORE. MD.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.
 Growers for the Wholesale Trade Only,
SANTA ANA, CALIFORNIA.
 Mention the American Florist when writing

THE G. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.
 Contract Growers of
High Grade Seeds
 Cucumber, Muskmelon, Squash and Pumpkin,
 Sweet, Flint and Dent Seed Corn
 Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
 Vine Seed and Field Corn.
 Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.
 Mention the American Florist when writing

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100, \$13.00
 " Rubrum, 9 in.-11 in. per 100, 9.00
 " Melpomene, 9 in.-11 in. per 100, 9.50
 Tuberoses, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
 and Growers.
 114 Chambers Street. **NEW YORK, N. Y.**
 Mention the American Florist when writing

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
 1876 Milwaukee Ave., **CHICAGO**
 Mention the American Florist when writing

BEANS, PEAS, RADISH
 and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
 Write for Prices.

Lily of the Valley from Cold Storage

Order Now for Decoration Day and June Weddings

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

Mention the American Florist when writing

A Representative IN EUROPE.

Our Mr. Carl Cropp will visit Continental Growers in July and August in our Seed, Bulb and Plant interests. Customers who already have or expect to place import business with us under special instructions are invited to correspond with us now.

Vaughan's Seed Store,
CHICAGO.

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant,
 Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
 Correspondence Solicited.
 Mention the American Florist when writing

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomdale Farm. Bristol, Pa.
 Mention the American Florist when writing

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.
 Mention the American Florist when writing

QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

Send Advertisements Early
 For Best Results.

Oklahoma Seed Growers' Co.

Contract Growers of
 Watermelon and Muskmelon Seeds
 For the Wholesale Trade only

Enid, - Oklahoma

S. M. Isbell & Co.,

Jackson, Mich.
CONTRACT SEED GROWERS,
 Bean, Cucumber, Tomato, Pea, Muskmelon,
 Squash, Watermelon, Radish, Sweet Corn.
 Correspondence solicited.

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
 Cucumber, Musk and Watermelon, Pump-
 kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

MANN'S

Lily of the Valley

are the finest in existence and their flowers
 bring the best prices on the London mar-
 ket For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of
FLOWER and GARDEN SEEDS

ROEMER'S PANSIES

The finest strain of Pansies in the World.
 Introducer and Grower of all the leading
 Novelties. Highest Award International
 Exhibition, Dusseldorf, 1905. Catalogue free
 on application.

FRED. ROEMER, Seed Grower,
 Quedlinberg, Germany

Mention the American Florist when writing

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS
SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish,
 etc. Correspondence solicited.

Mention the American Florist when writing

SEED BILL (H. R. 22,340) CHANGES.

In the the Senate of the United States. April 16, 1912. Read twice and referred to the Committee on Agriculture and Forestry. May 22, 1912. Reported by Mr. Gronna, with amendments.*

PAGE 1

An Act, To regulate foreign commerce by prohibiting the admission into the United States of certain adulterated seeds and seeds unfit for seeding purposes.

1 *Be is enacted by the Senate and House of Representa-*
 2 *tives of the United States of America in Congress assembled,*
 3 That from and after six months after the passage of this Act
 4 the importation into the United States of seeds of alfalfa,
 5 barley, Canadian blue grass, Kentucky blue grass, awnless
 6 brome grass, buckwheat, clover, field corn, Kafir corn,
 7 meadow fescue, flax, millet, oats, orchard grass, rape, redtop,
 8 rye, sorghum, timothy, and wheat, or mixtures of seeds
 9 of alfalfa, Canadian blue grass, Kentucky blue grass, awn-
 10 less brome grass, clover, meadow fescue, millet, orchard grass,
 11 rape, redtop, sorghum, timothy, and flax, or the importation

PAGE 2

1 of wheat, oats, rye, barley, field corn, Kafir corn, and buck-
 2 wheat containing any of such seeds as one of the principal
 3 component parts, which are adulterated or unfit for seeding
 4 purposes under the terms of this Act, is hereby prohibited;
 5 and the Secretary of the Treasury and the Secretary of Agri-
 6 culture shall, jointly or severally make such rules and regu-
 7 lations as will prevent the importation of such seeds into the
 8 United States: *Provided, however,* That such seed may be
 9 delivered to the owner or consignee thereof under bond, to
 10 be reclaimed in accordance with and subject to such regu-
 11 lations as the Secretary of the Treasury may prescribe, and
 12 when cleaned to the standard of purity specified in this Act
 13 for admission into the United States such seed may be re-
 14 leased to the owner or consignee thereof after the screenings
 15 and other refuse removed from such seed shall have been
 16 disposed of *and destroyed* in a manner prescribed by the Sec-
 17 retary of Agriculture: *Provided further,* That this Act
 18 shall not apply to the importation of barley, buckwheat, field
 19 corn, Kafir corn, sorghum, flax, oats, rye, or wheat not in-
 20 tended for seeding purposes, or flax when shipped in bond
 21 through the United States, or imported for the purpose of
 22 manufacture, according to the Act of August fifth, nineteen
 23 hundred and nine.

24 Sec. 2. That seed shall be considered adulterated within
 25 the meaning of this Act—

PAGE 3

1 First. When seed of red clover contain more than three
 2 one per centum by weight of seed of yellow trefoil, or any
 3 other seed of similar appearance to and of lower market value
 4 than seed of red clover.

5 Second. When seed of alfalfa contains more than three
 6 one per centum by weight of seed of yellow trefoil, burr
 7 clover and sweet clover, singly or combined.

8 Third. When any kind or variety of the seeds, or any
 9 mixture described in section one of this Act, contains more
 10 than five three per centum by weight of seed of another kind
 11 or variety of lower market value grade and of similar ap-
 12 pearance: Provided, That the mixture of the seed of white
 13 and alsike clover, red and alsike clover, or alsike clover and
 14 timothy, shall not be deemed an adulteration under this
 15 section.

16 SEC. 3. That seed shall be considered unfit for seeding
 17 purposes within the meaning of this Act—

18 First. When any kind or variety of clover or alfalfa seed
 19 contains more than one seed of dodder to five ten grams of
 20 clover or alfalfa seed, respectively.

21 Second. When any kind or variety of the seeds or any
 22 mixture described in section one of this Act contains more
 23 than three one per centum by weight of seeds of weeds.

24 SEC. 4. *That any person or persons who shall violate*
 25 *the provisions of this Act, shall be deemed guilty of a mis-*

PAGE 4

1 *demeanor and shall pay a fine of not exceeding five hundred*
 2 *dollars and not less than two hundred dollars, or shall be*
 3 *imprisoned for a term of not more than one year and not*
 4 *less than thirty days, or shall suffer a penalty of both such*
 5 *fine and imprisonment; provided, That any person or per-*
 6 *sons who shall knowingly sell for seeding purposes seeds or*
 7 *grain which were imported under the provisions of this Act,*
 8 *for the purpose of manufacture shall be deemed guilty of a*
 9 *violation of this Act.*

Amend the title so as to read: "An Act to regulate foreign commerce by prohibiting the admission into the United States of certain adulterated grain and seeds unfit for seeding purposes."

Passed the House of Representatives April 15, 1912.
 Attest: SOUTH TRIMBLE,
 Clerk.

* Omit the part underlined and insert the part printed in italic.

Davenport, Ia.

PLANT TRADE GOOD.

The plant trade business is about over and everyone is glad that it is so, for it has been a strenuous spring. The cold weather kept folks from buying early and so everything came in with a rush the last minute and nearly worked everyone to death. Without a doubt the plant trade this spring was far ahead of last year, nearly every florist cleaning up in nearly all lines. Decoration day was a record-breaker. The weather was cool and bright, and more people took advantage of the holiday than ever before, and in consequence the florists adjacent to the cities of the dead did the largest business for many a year. Everything that looked like a flower was sold long before the day was over, and every plant with even a bud was bought up. Peonies were late by only three days. Everything was done to bring them in on time, but very few were open far enough to cut, and as nearly all other flowers out of doors were gone, with the exception of the iris, there was not very much outside or indoor stock and of course the supply was short and only large enough to reach about half way around, and the disappointed ones were those who had not ordered in advance. All in all, the florists seem to be well pleased with the spring plant trade and the business done on Decoration day. We will now have a little time to straighten things up, plant chrysanthemums and commence to think of the things we would like to have for next fall and winter.
 T. E.

Sweet Williams

Field Clumps, \$3.00 per 100; \$25.00 per 1000.
 Smaller plants that will bloom this season, 50 cents per 100; \$3.50 per 1000.
 Hardy Pinks, field clumps, \$2.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Mention the American Florist when writing

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

Asparagus Plumosus Plants

2½-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
 1215 Betz Building, PHILADELPHIA, PA

JEWETT CITY, CONN.—A. A. Young of the Jewett City Greenhouses will add another greenhouse 40x208 feet to his present plant, making a total of about 40,000 square feet of glass,

Cold Storage Bulbs

Lilium Auratum.

8 to 9 in.per 1000, \$50 00

Lilium Gigantum.

7 to 9 in., 300 to case...per 1000, \$85 00

Valley Pips.

London Market.....per 1000, \$15 00

Premium Brand.....per 1000, 13 00

Vaughan's Seed Store,
 CHICAGO. NEW YORK.

Established 1911.

Richard Diener & Co.

PLANT AND SEED GROWERS

Geraniums ORIGINAL NOVELTIES Carnations

Nursery: Mountain View, California, U. S. A.
 Alviso Road.

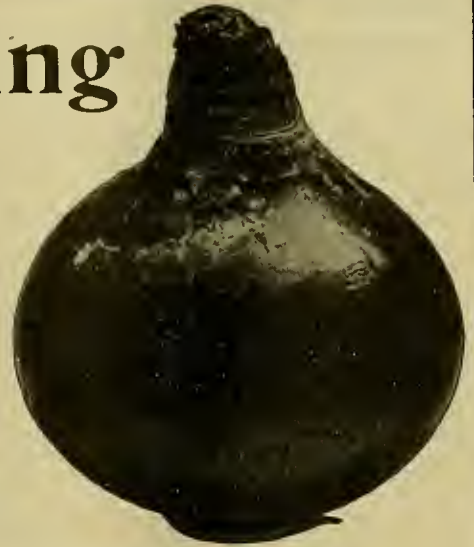
GLADIOLI

Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Branchleyensis, Etc.
 Lilies, Summer Flowering Bulbs and Hardy Plants.

E. S. MILLER, Wading River, N. Y.



Fall Forcing Bulbs



Roman Hyacinths, Narcissus P.W. Grandiflora, Lilium Harrisii, Japanese Lilies,

Forcing Valley, Callas, Freesias and picked bulbs of all Dutch Hyacinths, Tulips and Spirea.



N. B.—We are advised that the crop is none too good; some bulbs are diseased. Buy now. We have a supply from reliable growers. Write us.



VAUGHAN'S SEED STORE,
CHICAGO NEW YORK

BEDDING STOCK

Our stock of Bedding Plants is second to none in Central Illinois. Write us your wants. Ask for our circulars of Soft Wooded Stock, Ferns, Roses, Cannas, Chrysanthemums, and Blooming Stock for Spring.
Hydrangeas, in bloom, 4-in., \$12.50 per 100; 6-in., 75c; 7-in., \$1.00.
Gloxinias and Tuberous-rooted Begonias, in bloom, 5-in., 25c.
 Our terms are Cash; our guarantee is to give you satisfaction. Write or wire us.

GEO. A. KUHL, PEKIN, ILL.

Wholesale Grower to the Trade.

Cut Flowers and Designs shipped to any part of the Country.

ROSE PLANTS

	100	1000
American Beauty.....	\$5.00	\$45.00
Pink Killarney, bench, 1 year old.....	3.50	30.00
Asparagus Plumosus clumps, 1 yr. old.	3.00	25.00

Geo. Reinberg.

162 N. Wabash Avenue, Chicago, Ill.

Am. Beauties

Choice 2½ inch, \$5 per 100; \$45 per 1000



Smilax

Strong 2¼-in. Pots, \$15 00 per 1000.

W. W. Coles, Kokomo, Ind.

Hydrangeas in Flower

For Immediate Use

Fine plants in bud and bloom, with two to six flowers each, in 6-inch and 7-inch pots. 50c, 75c, \$1.00, and \$1.50 each—according to size and number of blooms.
 Large specimens in full flower in new cedar tubs, 14-inch, painted green, with iron handles, \$4.00 each.

Large Hydrangeas for Later Blooming

We have a large stock of plants in tubs and barrels for July and August blooming. These plants have just started into growth, and will be in fine shape for later blooming. Plants in new cedar tubs 14-inch diameter, \$3.00 and \$4.00 each; in common butter tubs, \$1.00 less. Extra large specimens in half barrels, \$5.00 each.

Large Specimen Ferns

We have a magnificent stock of exceptionally fine Nephrolepis in the following varieties, viz:
Elegantissima, 12-inch pots, extra fine specimens, \$4.00 to \$5.00 each.
Harrisii, extra choice form of Bostoniensis, extra fine specimens, 12-in. pots, \$7.50 to \$10.00 each.
Bostoniensis, 10-in. pots, extra fine specimens, \$2.50 to \$3.00 each.
Gistrasi, 10-in. pots, extra fine specimens, \$3.00 each.
Scottii, 10-in. pots, extra fine specimens, \$2.50 each.

Variegated Vincas Extra fine plants in 4-inch pots for vases and boxes, \$10.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Mention the American Florist when writing

CANNAS

King Humbert, a foot high; fine plants out of 3-in.	Each	Doz.
Mont Blanc, Improved, 4-in.	7c	\$2.50
Wm. Sanders, 4-in., extra large	25c	2.50
20 Other Varieties in 3-in. pots. Send for list.		

The Cedar Hill Gardens,
Sea Cliff, L. I., N. Y.

Long Distance Phone. Cash with order, please.

Flower Colors

Use our COLOR CHART in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

ADRIAN, MICH.—E. G. Kuney, vegetable grower, is building four houses, each 14 feet, 9 inches x 200 feet, Foley construction.

ENGLISH carrots are being imported and sold on the Chicago market. Prices are over four cents per pound. The local crops, fall 1911, were very poor.

Prices of Indoor Fruits and Vegetables.

Chicago, June 3.—Mushrooms, 15 cents to 30 cents per pound; lettuce, 10 cents, small cases; cucumbers, 40 cents to 60 cents per dozen; tomatoes, \$3.75 to \$4.

New York, June 1.—Mushrooms, 1.25 to \$4 per 4-pound basket; cucumbers, 50 cents to 65 cents per dozen, \$1 to \$3 per box; tomatoes, 8 cents to 15 cents per pound; cauliflower, \$1.75 to \$2.25 per dozen.

Lime Sulphur Dwarfs Potatoes.

That lime-sulphur solution cannot replace Bordeaux mixture as a preventative of potato diseases are the conclusions drawn from experiments made at the New York experiment station. Orchardists who also grow potatoes hoped that they might use lime-sulphur spray in the field as well as in the orchard and dispense with Bordeaux, but a careful test made in 1911 proves the lime-sulphur harmful to potatoes. The plants in rows sprayed with lime-sulphur were dwarfed by the fungicide, died early and yielded about 40 bushels less to the acre than check rows; while Bordeaux sprayed rows produced 100 bushels to the acre more than checks.

Mechanical Watering.

From excessive moisture we have again jumped into a miniature drought and we can hear the gasoline engines pumping water right and left. We think most of our neighbors are making a mistake in applying water too early in the season as long as there is ample subsoil moisture. In most cases hoeing and cultivating would do more good than watering. At this time of the year the ground is cool and what we need is soil heat which is not obtained by watering. There is a fine use for water in this line in lightly spraying of suffering crops during the noon hour or twice a day during the extreme heat. Such treatment will counteract the fierce heat of the sun without cooling the soil. Further we may again plunge into a wet spell, which would endanger our watered crops. To sum up, we advise beginners to go slow applying water in the field as long as there is subsoil moisture. We believe in thorough watering later on after the lower moisture is exhausted and enough soil heat accumulated.

MARKETMAN.

UTICA, N. Y.—A. R. Wilcox, for 20 years with C. F. Baker & Son, is now connected with the Plantadendron. The Plantadendron is now prepared to carry on a retail florist business along all lines and Mr. Wilcox's numerous friends wish him all possible success.

Oklahoma City.

Retail florists here pronounce the recent Memorial day business as the best ever experienced in this city. A pleasing feature of the trade was the fact that orders as a rule were placed well in advance and the many disappointments were occasional customers who waited until the last moment before making purchases. The "Mothers' day" celebration is believed to be mainly responsible for the placing of orders early for Memorial day. The peony crop was getting well toward the finish, still, there was a fairly good supply and they were in great favor, selling well. Out-door sweet peas were very plentiful as also were roses and candytuft. There was a good demand for high grade roses, gardenias, lilies, carnations and snapdragon, these embracing the chief cut flowers used. In potted plants, hydrangeas, geraniums, asparagus and small ferns were the principal features and for which there was good demand, especially for well grown hydrangeas. Prices for cut flowers ruled about as follows: Roses, \$1.75 to \$2.00 per dozen; carnations, \$1.00 per dozen; peonies, \$1.75 to \$2.00 per dozen; sweet peas 50 cents per 100. Made up designs ranging in price from \$2.00 to \$5.00 each were an attractive feature and sold well. It is also worthy of note that our retailers advertised liberally in the daily press and the publicity thus given is without a doubt responsible in a great measure for the general increase in the Memorial day business.

NOTES.

Geo. Stiles, of The Stiles Co., is very enthusiastic over the ever increasing popularity of cut flowers in this southern metropolis. Probably the most notable increase of any is that seen in the call for boxes of flowers for, while the call for made up bouquets, etc., continues good the demand for boxes of miscellaneous flowers gains steadily. Owing no doubt to the preponderance of youth in the city and surrounding territory, and an unusually healthy climate the call for funeral designs is not such an important feature, neither so profitable a one as it is to florists located in longer established communities. The Stiles Co.'s window has been a grand show with peonies, pink snapdragon, gypsophila, sweet peas, roses, carnations and decorative plants.

The flower department of the "Barteldes" store is under the very capable management of Lon Foster, who has been with the firm eight years and who has had charge of the flowers the last three. This house does a general shipping trade throughout the state, in florists' supplies and issues an annual catalogue covering about everything needed in the retail store from wire designs to toothpicks. During the convention of the State Druggists' Association, held in this city recently, Barteldes executed the decorations for

that association's annual banquet, which was given in the Lee Huckins hotel, there were 250 covers laid.

Perry De Haven, Tulsa, reports a splendid line of business done for the opening of a new hotel there recently.

Visitors: J. W. Furrow, of Furrow & Co., nurserymen, Guthrie, was in town recently and reports the completion of another greenhouse, which now gives them a total glass area of 45,000 square feet.

S. S. B.

Ft. Wayne, Ind.

A range of six modern greenhouses, Foley Mfg. Co.'s material and design, is in course of erection for F. J. Knecht & Co. near the corner of Fairfield and Rudesell avenues, well to the south of the city, but within easy reach either for trade or shipping. The location is a favorable one in every respect and Fairfield avenue is a fine residence street and automobile thoroughfare. A short stretch of paving remains to be done on this avenue south to Rudesell, and this is promised before the close of the present season, so that by the time cutting is ready to begin in the fall the place will be easily accessible. Mr. Knecht is well known and was formerly manager of the large Vesey plant, where he made more than a local reputation as a highly successful grower of fine stock. Late spring and labor delays have kept back construction somewhat, but now that conditions are improved in both respects the buildings are fast assuming a stage of completion, and it will not be long before the benches are filled and the fine appearing little plant fully under way.

SUBSCRIBER.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

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

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

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per 1/4 oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Important Announcement

Agreeable to the request of many customers and to quickly scatter its distribution, we have decided to **REDUCE PRICE** of

Carnation California Giant

ONE-HALF, making introductory price **\$1.50** each, or **\$15.00** per dozen.
Strong, Well Hardened Plants from **2½**-inch pots.

RICHARD DIENER & CO., Mountain View, California

Fort Wayne, Ind.

FINE MEMORIAL DAY TRADE.

The exceedingly hot weather for a week or two preceding Decoration day, caused a rush in business of bedding plants. The stock moved very quickly with "all hands at the wheel," and a great deal of planting was done. The stock was of noticeably fine quality this season, and commanded good prices. Geraniums, coleus, fuschias, cannas, salvia and the different varieties in vines, etc., met with good demand. Business for Decoration day was tremendous, all kinds of stock sold well. Peonies were of excellent quality and were eagerly snatched up. Roses were scarce, and the carnations though made plentiful by the warm days were small. There was a good supply of other stock, snapdragon, coreopsis, iris, miniature gladioli, lilies, and sweet peas, all of which met with ready sale. Novelties in wreaths were made up and were much favored by the flower-buying public. In fact by noon on Decoration day the florists were entirely cleaned up on stock. This was owing to the fact that out-of-door stock was not in bloom and made the demand for greenhouse flowers enormous. The supply of greens was good, particularly spengeri. Prices on all stock went up. Orders are coming in for commencements and weddings, and June bids fair to keep all the florists hustling during her "rare" days.

NOTES.

The marked progressiveness of the craft is shown by the number of former florists' employees who are venturing into the business for themselves. Among the recent venturers in the trade are one Herman Leity who was employed by W. J. and M. S. Vesey, for over fourteen years, and Mr. Herman of New Haven, Ind. They will construct several large houses in New Haven, which will be devoted to the growing of general stock for the wholesale trade.

A. E. Sumner, formerly employed by Sullivan, florist of Detroit, Mich., has leased the greenhouses at Garrett, Ind., from the well-known cyclamen specialist Christ Winterich of Defiance, O. He will grow a general stock of plants and cut flowers for the trade in Garrett and vicinity. Mr. Sumner is a very enterprising business man, and has the best wishes of the trade for his success.

The increase in demand for cut flowers in general and particularly for good roses has prompted the erection of two new rose houses in addition to the plant of the C. B. Flick Floral



Standard Bay Tree

Bay Trees

Prices include tubs.
Standard or Tree Shaped.

Stems	Crowns		Each		Pair
36 in.	24 in.	.....	\$ 7.00		\$13.00
45 in.	26 in.	.....	7.50		14.00
45 in.	30 in.	.....	10.00		18.00
48 in.	40 in.	.....	15.00		28.00

Dwarf Standards.

Stems	Crowns		Each		Pair
30 in.	24 in.	.....	\$ 7.00		\$13.00
18 in.	24 in.	.....	7.00		13.00
12 in.	30 in.	.....	7.50		14.00

Pyramid Shaped.

Diameter at Base			Each		Pair
5 ft. high, 24 in.	.....		\$3.00		\$15.00

Boxwood

Prices include green tubs.
10 per cent discount if wanted out of tubs.
Standard or Tree Shaped.

18-26 in. stem, 18 in. crown			Each		Pair
.....			\$3.00		\$5.00

Pyramid Shaped.

2½ ft. high			2.00		3.75
3½ ft. high			3.00		5.50
4 ft. high			4.00		7.50
5½ ft. high			7.50		14.00

Bush Shaped.

Prices do not include tubs.

12 in.			Each		100
.....			\$0.35	Doz.	\$25.00
18 in.			.60	2.00	15.00
20 in.			.75	8.00	20.00

Ampelopsis Veitchii.
(Japan or Boston Ivy.)

2-year-old plants			Each		100
.....			\$0.15	Doz.	\$12.00
3-year old plants			.20	2.00	15.00
4-inch, pot grown			.30	3.00	20.00

Vaughan's Seed Store,

31 W. Randolph St., CHICAGO. 25 Barclay St., NEW YORK
Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

ROSES LAST CALL

We Need The Space

American Beauties, 2¼-inch.....\$5.00 per 100; \$45.00 per 1000
A nice lot of 2¼-in. My Maryland..... 4.00 per 100; 35.00 per 1000
2½-in. White Killarney..... 4.00 per 100; 35.00 per 1000

J. A BUDLONG, 82-86 E. Randolph St., Chicago

Company. The new houses will each be 30x130 feet, 8 feet to the gutters and even spanned. Killarneys will be grown entirely in these houses.

R. R. F.

COOPERSTOWN, N. Y.—The greenhouses and florist business conducted by the late Wm. F. Wagner has been purchased by C. S. Derrick, who will take possession soon.

The Nursery Trade

American Association of Nurserymen
 J. H. Dayton, Painesville, O., President;
 W. H. Wyman, North Abington, Mass., Vice-
 President; John Hall, Rochester, N. Y., Sec'y.
 Thirty-seventh annual convention to be
 held at Boston, Mass., June 12-14, 1912.

THE annual convention of the Rail-
 way Gardening Association will be held
 at Roanoke, Va., August 13-16.

LANCASTER, MASS.—The Gardeners'
 and Florists' Club of Boston and the
 officers and committee on gardens of
 the Massachusetts Horticultural Soci-
 ety, forming a party of 60, visited
 and inspected the estate of Bayard
 Thayer May 17.

ROCHESTER, N. Y.—The party which
 will leave here June 10 for the Boston
 convention of the American Associa-
 tion of Nurserymen will include Secre-
 tary John Hall, E. E. Osborn, Wm.
 Pitkin, Chas. J. Brown, Chas. L. Yates,
 Frank C. Olcott, Horace G. Hooker and
 Irving Rouse. Wm. C. Barry, presi-
 dent of the Western New York Horti-
 cultural Society, will be one of the
 principal speakers.

American Association of Nurserymen.

COMING BOSTON CONVENTION.

We wish to sound the last note pos-
 sible for us to publish regarding the
 great convention of this association in
 Boston, June 12, 13 and 14. Some of
 our nurserymen readers may think that
 because the season has been a back-
 ward one that that fact will furnish
 an excuse for absenting themselves
 from this annual gathering. Let us
 warn them that they will make a great
 mistake if they permit themselves so
 to do. The Boston nurserymen are
 expecting and providing for a record-
 breaking attendance, and the event can
 be made a red-letter mark if members
 will only turn out.

Secretary Hall has been very indus-
 trious in his coaching of members for
 these past months, and now has pub-
 lished the badge book, certainly one
 of the finest ever issued by the asso-
 ciation. The typographical features
 are commendable, and a system can
 be observed running all through the
 very neat publication. The book was
 issued in time to reach every member
 before leaving home, notwithstanding
 the many provoking delays experienced.

Remember, the headquarters of the
 convention will be the Hotel Somerset,
 Commonwealth avenue, Boston. It is
 within ten minutes' ride of either the
 Back Bay or Trinity Station, and all
 Boylston street and Massachusetts ave-
 nue street cars pass within a very
 short distance of the hotel.

Arrangements are all completed, pro-
 grams are of great excellence, and the
 Boston brethren will be there with the
 "glad hand."

May Shrubs in Arnold Arboretum.

The earliest of the American haw-
 thorns to flower in the Arboretum this
 year is Crataegus Arnoldiana. This is
 one of the large-leaved, large-flowered,
 and large-fruited species, and even in
 winter is easily recognized by its nu-
 merous thorns and by the zigzag man-
 ner in which its erect branches grow.
 The flowers open as the leaves expand
 and the brilliant scarlet fruit ripens
 toward the end of August and then
 soon falls. The early ripening of the

fruit makes this tree valuable because
 showy fruits are not common here in
 summer, says the Bulletin issued by
 the Arnold Arboretum. C. Arnoldiana
 grows naturally on a wooded bank in
 the Arboretum and on the Mystic
 River in West Medford, Mass. When
 botanists called all American thorns
 with red fruits C. coccinea or varieties
 of that species C. Arnoldiana was in-
 cluded.

The earliest flowering plants of
 Rhododendron (Azalea) Kaempferi are
 beginning to show the color of their
 flowers. This handsome plant is a na-
 tive of the high mountains of Japan
 and was first cultivated in the Arbore-
 tum where it was raised from seeds
 collected in 1902 by Professor Sargent.

Viburnum Carlesii, a native of Ko-
 rea, is flowering in the Arboretum for
 the first time. It appears to be very
 hardy and promises to be a first-rate
 ornamental plant here. The flowers
 are produced in compact clusters and
 are very fragrant. The open flower is
 pure white but the bud is pink, and as
 all the flowers do not open at the same
 time the contrast between the pink
 buds and the white flowers adds to the
 beauty of the cluster.

A New Flowering Currant.

An interesting shrub, Ribes lauri-
 folium, was shown before the floral
 committee of the Royal Horticultural
 Society and gained an award of merit,
 and is one of the subjects raised from
 seed collected by E. H. Wilson in
 China, states a writer in The Garden.
 Though the flowers are not showy in
 color, the plant is, nevertheless, pecu-
 liarly attractive. The growth, for in-
 stance, suggests another family alto-
 gether, and the fully-matured leaves
 during the summer are of a deep
 bronze color. The natural habit of the
 plant is dwarf and spreading, and in
 its native habitat it is found among
 rocks. I believe it will prove a very
 useful plant for the rock garden in the
 near future. It is quite hardy, and a
 young plant opened and produced its
 flowers during the week of cold
 weather, when we registered 20° on
 two consecutive nights. The flowers
 are produced in drooping racemes, the
 individual flowers being of a pale yel-
 lowish green, much resembling cow-
 slips, and last in a fresh state for a
 considerable time. Its early flower-
 ing will undoubtedly add to its popu-
 larity. Whether the black, oval fruits
 will mature in this country remains to
 be seen.

Duty on Fruit Trees

The United States Department of the
 Treasury has notified the surveyor of
 customs at Houston, Tex., that the
 term "tropical and semitropical fruit

plants" which are admitted free of
 duty for the purpose of propagation
 or cultivation, is limited to such species
 as are indigenous to tropical and semi-
 tropical climates, and that cold-endur-
 ing species like the apple, pear, cherry
 and the hardy species of the genus
 prunus are not commercially or scien-
 tifically semitropical plants even when
 grown in a semitropical region.

Robert Craig Co...

HIGH
 CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

THE Storrs & Harrison Co.

PAINESVILLE NURSERIES
 CATALOGUES AND PRICE LISTS
 FREE ON APPLICATION

PAINESVILLE, - OHIO

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
 Carnations for fall delivery Smilax, Violets
 IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
 New York

LARGE TREES

OAKS and MAPLES
 Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
 Chestnut Hill, PHILA., PA.

Trees

Both Ornamental
 and Fruit, at bot-
 tom prices, to the
 trade or to planters.

THE BEST GRAFTS

Both of Apple and
 Pear, we make to
 order for the trade.

Barnes' Nurseries

Sta. K, Cincinnati, O.

57 Years' Experience. Once a
 customer you will stay with us.

B. & A. SPECIALTIES

Palms, Day Trees, Boxwood and Hardy Herbaceous Plants, Evergreens,
 Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots,
 Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only
 a few minutes from New York City; Carlton Hill station is the second stop
 on Main Line of Erie Railroad.

BOBBINK & ATKINS
 Nurserymen and Florists. RUTHERFORD, N. J.

HYDRANGEAS

FOR SUMMER FLOWERING.

A splendid lot of retarded plants, in good, green tubs.



OTAKSA.

11-inch pail-tubs 5 to 6 leads, \$1.00
 12-inch Riverton tubs, 8 to 10 " 2.50
 14-inch " " 10 to 12 " 3.50

Jeanne d'Arc.

White flowering, an improvement on Thos. Hogg.

6-inch pots, bushy plants, 25 cents each.
 10-inch pail-tuba, " " 75 " "

If you are interested in the New Hydrangeas which will no doubt prove to be the Greatest Novelty for Easter in the Eastern markets, send for our Special Circular, which offers not only the favorites of this season, but also a number of the newer sorts, which are not yet generally distributed and which are certain to prove valuable.

Dracaena Indivisa

A splendid lot of this most useful plant for summer use.

4-inch pots, \$1.50 per dozen; \$10.00 per 100.
 5 " " 3.00 " " 20.00 " "
 6 " " 4.00 " " 30.00 " "

Large plants in 8 and 9-inch pots, 75 cents, \$1.00, \$1.50 and \$2.00.

The above prices are intended for the Trade only.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

Mention the American Florist when writing

Chrysanthemums

ROOTED CUTTINGS

Ready Now.

750 Smith's Advance, 2000 Mrs. David Syme,
 3000 A. Byron, 2500 W. Bonnaffon, \$7.00
 2500 Rosette, 2000 Halliday,
 1500 Pac. Supreme, 1500 M. Bonnaffon, and
 others. Send for list.

WM. SWAYNE,
 Kennett Square, Pa.

Mention the American Florist when writing

CHRYSANTHEMUMS

Strong plants, 2 1/4 in. pots, ready now or will make deliveries later. Glen Cove, Unaka, Mrs. David Symes, Witterstatter, Roman Gold, \$7.00 per 100. Smith's Advance, \$4.00, Chadwick Supreme, \$3.00, Chrysolora, \$10.00 per 100. Golden Glow, Crocus, Yellow Jones, Dr. Enguehard, Major Bonnaffon, Jerome Jones, White Bonnaffon, Clementine Tousef, Amorita, Charles Razer, White Eaton, White Chadwick, Late Yellow, Late Pink, Virginia Poehlmann, Golden Chadwick, \$2.50 per 100, \$22.50 per 1000. Will exchange for Asparagus, Sprenger, Boston or Scotti Ferns.

ELI CROSS, 25 Monroe St., Grand Rapids, Mich.

Mention the American Florist when writing

Roses, Cannas, Shrubs

Ask for New Price List

THE CONARD & JONES CO.
 WEST GROVE, PA.

BUDDING KNIFE FREE

See Page 1200.

Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

Roses.

Ramblers, Hybrid Teas, Hybrid Perpetuals,
 Dwarf Polyanthas, Standards and
 Half Standards.

Rhododendrons.

18-24 inches, well budded, named varieties,
 forcing stock, as well as kinds for outdoors,
 \$40.00 per 100.

Lily of the Valley. Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.

TELL US YOUR WANTS.

Jackson & Perkins Company,

Nurserymen and Florists (Wholesale only), Newark, Wayne Co., New York

Mention the American Florist when writing

Bench Rose Plants == Grafted

Pink and White Killarney, 2-year-old stock.

\$50.00 per 1000. Now ready for shipment.

BASSETT & WASHBURN, Hinsdale, Ill.

Mention the American Florist when writing

Alternantheras.....

Strong, well rooted cuttings, the kind that will please you.

P. Major, red,50c per 100; \$4.00 per 1000
 A. Nana, yellow,50c per 100; 4.00 per 1000

**J. W. DAVIS, 225 W. 16th Street,
 Davenport, Iowa.**

Mention the American Florist when writing

DAHLIAS

The best New and Standard varieties.
 Send for Wholesale Price List.

BASSETT & WELLER
 HAMMONTON, N. J.

Mention the American Florist when writing



Box Trees - Ba

Phoenix Canariensis, Reclinata and Roebelii

Achyranthes, 2-in. . \$2.50 per 100	Each	Heliotrope 4-in. . \$0.07	Each
Achyranthes 3-in. . \$0.05	Each	Hydrangea Otaksa 2-in.03	
Ageratum 2-in. . .02½		“ “ “ “ 3-in.06	
“ “ “ “ 3-in.05		Lanatum Vine 3-in.07	
“ “ “ “ 4-in.07		“ “ “ “ 4-in.12	
Althernantheras, yellow 2-in. . .02½		Lantanas 4-in.08	
Begonia Vernon 2-in.02		“ “ “ “ 3-in.05	
Caladium Esculentum 5-in.15		“ “ “ “ 2-in.02½	
Cannas, Florence Vaughan, Austria, Assorted and Henderson 4-in.12		Lobelia, Single 2-in.02½	
Celosia or Cockscombs 3-in.05		Each	
Coboea Scandens 4-in.08		Lobelia, Katherine Mallard, Double 2-in. \$0.03	
	Each	Mme. Salleroi 2-in.02½	
Coleus 2-in. . . \$0.02½		Each	
“ Pfister, yellow and red 3-in.05		Mme. Salleroi 3-in.05	
CYCLAMEN, 2-in. . \$4.00 per 100		Marguerites, Yellow 2-in.02½	
“ “ “ “ 3-in. 6.00 per 100		“ “ “ “ 4-in.08	
		“ “ “ “ 2-in.02½	
Dracaena Indivisa.		Single White 4-in.08	
3-in. 5c each		Nasturtiums, Tall and Dwarf 3-in.04	
4 in10c each		Petunias, Single, Bar Harbor 2-in.02½	
6-in \$5.00 per doz.		Beauty 3-in.05	
8-in \$1.50 each		Poinsettias, stock plants, 4-in. \$5.00 per 100	
Dusty Miller 2-in.02		Pyrethrum, Golden Feather02	
English Ivy 4-in.15		Ricinus (Castor Bean) 4-in.08	
“ “ “ “ 3-in.07		Rose Geraniums 4-in.08	
“ “ “ “ 2-in.03		“ “ “ “ 2-in.02½	
German Ivy 3-in.06		Roses, Pot Grown 5 and 6-in.25	
“ “ “ “ 2-in.02½		Salvia 4-in. . \$1.00 per doz.	
		Shasta Daisies, Seedlings, \$5.00 per 1000	
		Thunbergia 2-in.02½	
		Umbrella Plants 2-in.02½	
		Verbenas 2-in.02	
		Vinca 4-in.15	
		Vinca Variegata 2-in.02½	



THE GEO. WITTBOL

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
 Boston Ferns, 5-in., 25c each.
 Whitmani Ferns, 4-in., 25c.
 Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
 Vinca Var., 2-in., 2c.
 Asparagus Sprengeri, 2-in., \$2.50 per 100.
 Asparagus Plumosus, 2-in., \$3.00 per 100.
 Coleus, Althernantheras, red and yellow, Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.
 Cash with order.

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

Boston Ferns...

\$3.00 per 100. \$30.00 per 1000
 Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.
 Roosevelt, \$6.00 per 100; \$50.00 per 1000.
 250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.
 Mention the American Florist when writing

SMILAX

2¼ inch pots, \$2.00 per 100.
 Cannas, C. Henderson, small, \$3.50 per 100.
 Pandanus Veitchii, finely variegated, \$1.00 each.
 Asparagus Plumosus and Sprengeri, \$2.00 per 100.
 Geraniums, mixed, 3 and 3½ inch pots, my selection, \$6.00 per 100. Pansy Seed, new crop, giant flowering, ounce, 40c. Cash.

JOS. H. CUNNINGHAM - DELAWARE, OHIO.

THE EARLY ADVERTISE-
 MENT GETS THERE.

ROSE PLANTS

2½-Pots.

Bench Plants.

	Per 100	Per 1000	Per 100	Per 1000
American Beauty	\$4 50	\$40.00	American Beauty	\$5.00 \$45.00
Perle	4.00	30.00	Pink Killarney	4.00 35.00
			Killarney	4.00 35.00
			Perle	4.00 35.00

PETER REINBERG,

30 East Randolph St.,

CHICAGO

PERLE ROSE PLANTS.

Own Root Perles, \$3.50 per 100 in 2½-in. pots; per 1000, \$30.00.

BASSETT & WASHBURN,

OFFICE and STORE: 131 N. Wabash Ave., CHICAGO. GREENHOUSES: HINSDALE, ILL.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc N. J.
 Mention the American Florist when writing

Vegetable Plants

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000, 10,000 and over, 85 cents per 1000.
 Lettuce, Big Boston, Boston Market, Tennis Ball, and Grand Rapids, \$1.00 per 1000.
 Beet, Eclipse, Crosby, and Egyptian, \$1.25 per 1000. Cash With Order

R. VINCENT, Jr., & SONS, CO., White Marsh, Md.

Trees - Dracaenas - Etc.

A Large Assortment of Bedding Plants.

BOXWOODS BAY TREES

DRACÆNA INDIVISA

3 inch, \$5.00 per 100; 4 inch, \$1.50 per dozen: \$10.00 per 100; 6 inch, \$5.00 per dozen; 8 inch, large beautiful specimen, \$1.50 ea.

OBELISK. Each

in. bottom measure.....\$10.00

Globe Shaped.

15-18 in. high\$4.00

24 " " 6.00

Standard.

1 ft. stem\$1.50

2 " " 2.50

3 " " 3.00

4 " " 4.00

5 " " 6.00

3-4 ft. stem 9.00

18-24 in. " 9.00

18-24 " " 10.00

Pyramid

.....\$ 5.00

..... 7.00

..... 10.00



Pyramid.

Each

4 ft. high.....\$ 6.50

5 " " 8.00

7 " " 15.00

9 " " 20.00

Standard.

1 ft. stem, 18 in. crown.....\$ 4.00

2 " " 18 " " 4.00

2 " " 20 " " 5.00

3 " " 24 " " 6.00

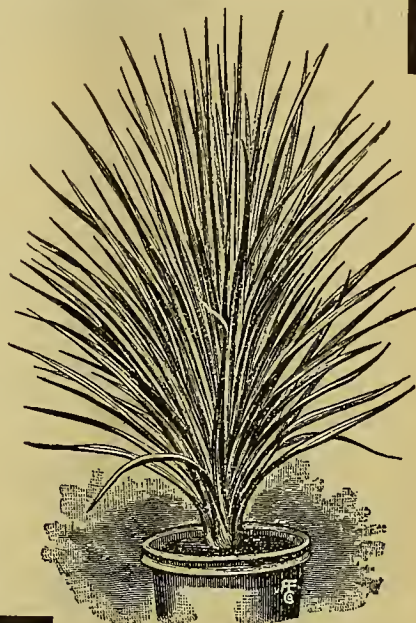
3½ " " 26 " " 7.00

1½ " " 28 " " 7.00

3½ " " 30 " " 8.50

4 " " 48 " " 20.00

BOXWOODS, square trim, 20-in. high, 15-in. diam.....\$2.50 each



O., 739 Buckingham Place, CHICAGO

THE NEW CARNATION

BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities.

The New "Helen" Pink

A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit," Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber, Grower, LYNBROOK, Long Island, N. Y.

R. G. Wilson, Fulton St. and Greene Ave., BROOKLYN, N. Y.

Chas. H. Totty, MADISON, N. Y.

Landscape Gardening



A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practices are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes. 250-page Catalog free. Write today.

The Home Correspondence School Dept. A. F., Springfield, Mass.

Poehlmann Bros. Company, Morton Grove, Ill.

Western Headquarters for Rose Plants

GRAFTED.

Radiance, 3½-in. \$150 00 per 1000

Rose Queen, 3½-in. 150 00 per 1000

Melody, 2½-in. 120 00 per 1000

OWN ROOT.

Maryland, 2½-in. \$5 50 Per 100 Per 1000

..... \$50 00

CHRYSANTHEMUMS

WHITE.	R. C. per 100	R. C. per 1000	2½-in. per 100	2½-in. per 1000
Smith's Advance.....	\$3 00	\$25 00	\$4 00	\$25 00
October Frost.....	2 50	20 00	3 00	25 00
Clementine Touselet.....	2 50	20 00	3 00	25 00
Timothy Eaton.....	2 50	20 00	3 00	25 00
W. H. Chadwick.....	3 00	25 00	4 00	35 00

PINK.	R. C. per 100	R. C. per 1000	R. C. per 100	R. C. per 1000
McNiece.....	\$2 50	\$20 00	\$3 50	\$30 00
Maud Dean.....	2 50	20 00	3 50	30 00
Patte.....	2 50	20 00	3 50	30 00
Dr. Enguehard.....	2 50	20 00	3 50	30 00

RED.

Schrimpton..... 3 00 25 00 3 00 25 00

Intensity..... 2 50 20 00 3 00 25 00

POMPONS.

Large Assortment of Best Commercial Varieties only.

R. C. \$3 00 per 100

2½ in. \$4 00 per 100; \$35 00 per 1000

SMILAX, 3-in., at \$45.00 per 1000.

Orders are now booked for June and July delivery. All goods sold for cash or 30 days on approved credit.

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co., 440 S. Dearborn Street, CHICAGO.

ORCHIDS

H. STANLEY, Sandcross Lane, Reigate, Eng.

is now booking orders for

Oncidium Forbesii and O. Marshallianum.

ORCHIDS...

Fresh Stock, in splendid order, just arrived.

Cattleya Lablata, Cattleya Schroederae, Granulosa, Cattleya Trianae.

We have a fine lot of Oncidium Varicosum Rogersii and Oncidium Splendidum ready to ship now.

G. L. Freeman, Wellfleet, Mass.

CHRYSANTHEMUMS

FROM SAND FOR IMMEDIATE DELIVERY

PINK.		CRIMSON.		WHITE.	
	R. C. per 100		R. C. per 100		R. C. per 100
Gloria	\$2 50	Pockett's Crimson	\$2 50	Lynwood Hall	2 50
Amorita	2 50	Schrimpton	2 50	Alice Byron	2 00
Dr. Enguehard	2 50	Intensity	2 00	Touset	2 00
Pacific Supreme	2 00	YELLOW.		October Frost	2 00
Balfour	2 00	Crocus, the best yellow.	\$4 00		
		Halliday	2 00		
		Maj. Bonnaffon	2 00		

The above varieties of 'Mums FROM SOIL, \$4.00 per 1000 additional.

J. D. THOMPSON CARNATION CO., Carnation Specialists, Joliet, Ill.

Rochester, N. Y.

WEATHER FAVORABLE.

For the past few days the weather has been most favorable to the growers. Fortunately the heat which we had a week or more ago, has been less severe, and again, as at Easter, the growers were able to bring in some of the best stock shown this season for Decoration day. Two or three days ahead of time fine stock began to arrive and everything looked as though business would boom for that day. Roses of all kinds, including some very fine Mrs. Aaron Ward, were in the market, and notwithstanding the lateness of the season were very good. Carnations in pink and white were exceptionally fine. There was a large demand for red ones for decorating the graves along with other blue and white flowers. Thousands of out-of-door lily of the valley came at the beginning of the week, but is about over now. Sweet peas in lavender and white have fairly long stems, but the majority of pinks are short. A little maidenhair fern is helping to make them more attractive. Plenty of blue and white iris is on the market and peonies are making a fine show, especially the single varieties. Tulips are about over for this season and a shortage of blooming plants makes it difficult to fill the needs of many customers. There still remains, however, a good supply of hydrangeas. Business for the whole month of May has been very good and prices have kept up well.

NOTES.

H. P. Neun is having a series of window displays at his store on North street, this time in memory of the old veterans. It consisted of a huge vase of red and white peonies and purple iris. Draped carelessly, but with much effect, was an immense American flag, and a bank of palms formed an ideal background for this fitting occasion.

Harry Merritt of Irondequoit, N. Y., is growing some extra large carnations. His greenhouse is kept in fine condition and the amount of trouble taken is very evident in the quality of the stock that he grows. He has planted several thousand young plants, which are doing nicely and promise well.

Horace J. Head has left the employ of H. E. Wilson, having been with that firm for just over two years. He sails from New York on June 15 per SS. "Olympic," bound for Southampton, England. It is uncertain as to when he will return.

Miss Lillian Wheeler spent the week end at Hilton, New York, as a guest of Mr. and Mrs. F. W. Smith.

Miss Myrtle Bradstreet helped out for Decoration day at the Rochester Floral Co. H. J. H.

FISHKILL-ON-HUDSON, N. Y.—Benjamin Hammond announced the names of those who are contesting for the various prizes he offers to what is termed the Home Garden Brigade, May 22.

- Asparagus Plumosus, 3-in. pots, \$4.00 per 100.
- Ivy, Hardy English, 3-in. pots, \$4.00 per 100.
- Clematis Paniculata, strong 2-year old plants, \$10.00 per 100. These will bloom this season. 1-year-old plants, \$5.00 per 100. Seedlings, strong, \$1.00 per 100; \$3.00 per 1000.
- Dracaena Indivisa, 3-in. pots, \$4.00 per 100.
- Chrysanthemums, strong plants from flats, \$2.00 per 100. Golden Glow, White Cloud, Pacific Supreme, Dr. Enguehard, Yellow Jones, Nonin, Pompons, White Diana, Lulu.
- Carnations, Rooted Cuttings, from soil, fine plants of Boston Market, still one of the best whites, \$2.00 per 100; Enchantress, white and pink, \$3.00 per 100.
- Ampelopsis Veitchii, nice plants, 3 in. pots, \$5.00 per 100.
- Plants from 2½-in. pots, \$2.50 per 100: Abutilon Savitzi; Cupneas; Ageratum; Asparagus Sprengeri; Dracaena Indivisa; Anthurium, pink, white and red; Impatiens, Philox Drummondii, dwarf; Pectunia, Howard's Star and Giant Fringed.
- Bouvardias, white, pink, scarlet and red, 2-in. pots, \$3.00 per 100.
- Wistaria Sinensis, seedling plants, 3-in. pots, \$4.00 per 100.
- Alternantheras, red and yellow, 2 inch pots, \$2.00 per 100.
- Lemon Verbenas, 2½ inch pots, \$3.00 per 100.
- Bouvardia Humboldtii, 2 in. pots, \$3.00 per 100.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

ROSE STOCK

American Beauty.

\$10.00 per 100; \$90.00 per 1000.

Rose Queen and Lady Hillingdon.

\$20.00 per 100; \$150.00 per 1000.

Bon Silene.

\$6.00 per 100; \$50.00 per 1000.

Killarney and Richmond.

\$8.00 per 100; \$70.00 per 1000.

Sunburst.

\$30.00 per 100; \$250.00 per 1000.

All the above are splendid 3 and 4 in. stock.

Chrysanthemums

All good Commercial Varieties, ready for immediate delivery.

CHAS. H. TOTTY, Madison, N. J.

PALMS, FERNS AND

Decorative Plants

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

Chrysanthemums

STRICTLY FIRST-CLASS STOCK.

Amorita, L'Africane, Blackhawk, Mrs. H. W. Buckbee, Major Bonnaffon, White Bonnaffon, John Burton, Comoleta, Winter Cheer, Pockett's Crimson, Diana, Maud Dean, Wm. Duckham, Donatello, Dr. Enguehard, Yellow Eaton, Helen Frick, Lillie Godfrey, Golden Glow, Robert Halliday, Ivory, Yellow Ivory, Pink Ivory, Mrs. O. H. Kahn, Mrs. W. E. Kelley, Klondike, Monrovia, Viviani Morel, Nagoya, Glory of Pacific, Rufus, Chas. Razer, Polly Rose, Mrs. H. Robinson, Pacific Supreme, Clementine Touset, Yellow Touset, Yellow Frost, Lida Thomas, Venetta, Mayor Weaver, Hilda Wells, Yonoma.

From 2-in. pots, \$3.00 per 100, \$25.00 per 1000. Rooted Cuttings, \$2.50 per 100, \$17.50 per 1000. W. H. Chadwick, Golden Chadwick, Chadwick Improved, White Helen Frick, Glenview, Lynwood Hall, Convention Hall, Intensity, Patty, Pres. Roosevelt. From 2-in. pots, \$4.00 per 100, \$35.00 per 1000. Rooted Cuttings, \$3.00 per 100, \$22.50 per 1000.

Varieties of 1911.

Smith's Advance, the earliest white. Unaka, the best large early pink. Dick Witterstacter, a fine crimson for late October. Roman Gold, an intense yellow for early November. Thanksgiving Queen, an extra early large reflexed white. From 2-in. pots, \$5.00 per 100, \$45.00 per 1000. Rooted Cuttings, \$4.00 per 100, \$35.00 per 1000. Chrysolora, the largest and best yellow for October 15th. From 2-in. pots, \$10.00 per 100, \$90.00 per 1000. Rooted Cuttings, \$8.00 per 100, \$75.00 per 1000.

Also a very complete stock of Exhibitions.

Not less than 25 of a kind at 100 and 250 at 1000 rate. Those desiring less than 25 plants of a kind will be quoted on application. No order for Rooted Cuttings accepted for less than 25 of a kind. For type, color and flowering season, refer to our 1912 catalogue.

Elmer D. Smith & Co. ADRIAN, MICH.

Surplus Roses

Send for Stock List and Prices.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO.

ROSES

A SPECIALTY.

The Dingee & Conard Co., WEST GROVE, PA.

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. \$6.00.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. \$1.00.

OUTDOORS (McGaffey).—A breezy little book of the woods, fields and marshlands. Interesting to the lover of outdoor sports, the fisherman, hunter or botanist. Readable from cover to cover.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. \$1.25.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

HOW TO LAY OUT SUBURBAN HOMES (Kellaway).—Contains many useful hints and practical plans as to improving and laying out suburban homes and grounds. There are 112 pages, 38 half-tone illustrations and 15 plans and maps. \$2.

WINDOW GARDENING.—(Dorner.) An excellent treatise on this interesting subject telling in plain language the best methods of cultivating plants in rooms and windows. The author is a well known and practical grower. Well bound in green cloth, 153 pages and 43 illustrations, \$1.25.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. \$6.00.

The American Florist Co.
440 S. Dearborn St. Chicago

LOOK! BARGAINS IN Bedding Plants

Cannas, Alphonse Bouvier, Florence Vaughan, Pennsylvania, Queen Charlotte, \$7.00 per 100, and 10 other fine varieties.
Cannas, Mme. Crozy, 4-in., \$8.00 per 100.
Hardy or English Ivy, made up of 3 plants, 4-in., 10c; 5-in., 15c.
Ageratum, dwarf, best blue, 4-in., in bloom, \$7.00 per 100.
Lantanas, assorted, 4-in., \$7.00 per 100.
Geraniums, S. A. Nutt, 2½-in., \$4.00 per 100; Alphonse Ricard, Buchner (white), Jean Viand, 3-in., \$5.00 per 100.
Honeysuckle, sweet-scented Halleana, 4-in., 10c; 5-in., 15c each.
Clematis Paniculata, 5½-in. pots, 15c to 20c each.
Ampelopsis Veitchii, 30-in. high, 4-in., 15c each; 5-in., 20c each.
Coclea Scandens, 4-in., 10c each.
Ditelytra Spectabilis or Bleeding Heart, hardy, like a peony, kept outside in frames all winter, strong and healthy, 6-in. pots, 25c to 35c.
Perennial or Hardy Phlox, assorted colors, nice strong young plants, \$7.00 per 100.
Shasta Daisies, best white large-flowering hardy daisy, 2½-in., \$5.00 per 100.
Asparagus Plumosus, 2½-in., \$25.00 per 1000, \$3.00 per 100; 3-in., \$5.00 per 100.
Asparagus Sprengeri, 4-in., 10c; 3-in., 4c.
Araucaria Excelsa, April, 1911, importation, raised from top cuttings, 6-7 in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.
Araucaria Excelsa Glauca and **Robusta Compacta**, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.
Araucaria Excelsa, new importation, arrived per steamer Lapland, in fine condition, out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.
Kentia Belmoreana, 4 year old, 30 to 35 inches high, \$1.50.
Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.
Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.
Kentia Belmoreana, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.
Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.
Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.
Kentia Belmoreana, 8-in. pots, made up of 4 plants, \$2.00.
Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.
Kentia Forsteriana, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00 each.
Cocos Weddelliana Palms, made up of 3 plants, 4 to 5 in. pots, 30c to 40c; 3-in., 15c.
Areca Lutescens Palms, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.
Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf.
Cuphea Australis, 5-in. pots, 20-in. high, 35c.
Vinca Variegata, large 4-in., 15c.

Ferns.

Neph. Cordata Compacta, 4-in., 20c; 3-in., 15c.
Fern Balls, just arrived from Japan, large size, dormant, 25c (worth 50c).

In Small Plants

we have the following in 2½ to 3-in. pots, at \$3.00 per 100:

Verbenas, assorted colors, \$2.00 per 100.
French dwarf Tagetes (the queen of the Marigolds).
Phlox Drummondii, dwarf, pure white, valuable for cut flowers, 2½-in. pots, \$3.00 per 100.
Coleus, fancy leaved, 2½-in. pots, \$4.00 per 100.
Petunias, Inimitable, Dwarf and Rosy Morn. in bloom.
Sweet Alyssum, Carpet of Snow or Little Gem!
Thunbergia, or Black Eyed Susan.
Lobelia, Crystal Palace, blue, dwarf.
California Giant Petunia, 3-in., \$5.00 per 100.
Asters, 5 separate colors, 2½-in., 3c; Crego, white, pink and rose, 2½-in. pots, \$3.00 per 100.

Now is the time for planting **Moonvine**. Don't forget that we are the growers and shippers of **Ipomea Noctiflorum**, the pure white Moonvine, with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years: grows 50 feet and over in one season; over 25,000 are shipped every spring all over America, south, north, west and east. Mexico and Cuba, 2½-in. pots, \$5.00 per 100; 3-in., \$8.00 per 100; 4-in., \$12.00 per 100.

Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,
1012 W. Ontario Street, PHILADELPHIA, PA.

Decorative Trees



PYRAMIDAL BOXWOOD.

Nice Trees, 2 to 2½ ft. high	.....	\$1.50 each;	\$2.75 per pair
" " 2½ to 3 ft. high	.....	2.00 "	3.50 "
" " 3 to 3½ ft. high	.....	2.50 "	4.50 "
" " 3½ to 4 ft. high	.....	3.00 "	5.50 "
" " 4 to 4½ ft. high	.....	3.75 "	7.00 "

Boxwood Planted in Mission Boxes.

For the convenience of those wanting to purchase trees already planted, we here offer some of the most desirable sizes:

Nice Pyramidal Box, about 30 in. high, planted in Mission Boxes	.....	\$3.00 each;	\$5.75 per pair
Nice Pyramidal Box, about 36 in. high, planted in Mission Boxes	.....	\$4.75 each;	\$9.25 per pair
Nice Pyramidal Box, about 42 in. high, planted in Mission Boxes	.....	\$5.50 each;	\$10.50 per pair

BOXWOOD—Standards.

These resemble the Bay Tree in shape.

Nice Trees, with 12 in. crown	.....	\$1.25 each;	\$2.25 per pair
" " " 15 in. crown	.....	1.50 "	2.75 "
" " " 18 in. crown	.....	1.75 "	3.25 "

BAY TREES—Standards (Stems 36 to 44 in. high.)

Order your Bay Trees planted in Mission Boxes.

24 to 26 in. crown, planted in tubs, \$ 6.00;	in Mission boxes, \$ 8.50
28 to 30 in. crown, " " " 7.50;	" " " 10.00
32 to 36 in. crown, " " " 10.00;	" " " 14.00
36 to 40 in. crown, " " " 11.50;	" " " 15.50

Wagner Park Conservatories, SIDNEY, OHIO.

SEND ADVERTISEMENTS EARLY FOR BEST RESULTS.

Index to Advertisers.

Table listing various florists and their page numbers, including Advance Co The., Alpha Floral Co., American Auxiliary, etc.

Table listing various florists and their page numbers, including Leonard Seed Co., Lockland Lumber Co., Lord & Burnham Co., etc.

Table listing various florists and their page numbers, including Welch Bros., Wertheimer Bros., Western Seed & Irrigation Co., etc.



EVANS' Improved Challenge Ventilating Apparatus. Write for Illustrated Catalog. Quaker City Machine Works, Richmond, Ind.



TIME IS MONEY. Save 1/2 the time greening your designs by using Florists' Greening Pins. 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities. Wm. Schlatter & Son, Springfield Mass.

Model Extension Carnation Support. Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market. Pat. July 27, '97, May 17, '98. GALVANIZED WIRE ROSE STAKES. Write for prices before ordering elsewhere. Prompt shipment guaranteed. IGOE BROS., 266 North 9th St., BROOKLYN, N. Y.

WILKS' Hot Water Boilers ARE THE MOST ECONOMICAL Boiler for Greenhouses. No Night Fireman Required with our SELF-FEEDING HOT WATER BOILERS. Send for Catalog and Prices. S. WILKS MFG. CO., 803 Shields Ave. CHICAGO

GREENHOUSE BOILERS Catalog Free. Address S. Freeman & Sons Mfg. Co., RACINE, WIS.

SPLIT CARNATIONS. Quickly, easily and cheaply mended. No tools required. Pillsbury Carnation Staple Patented 1908. 2000 for \$1.00 postpaid. I. L. PILLSBURY Galesburg, Ill. No loss if you mend your split carnations with Superior Carnation STAPLES. 50c per 1000 postpaid. Wm. Schlatter & Son 422 Main St., Springfield, Mass.

Circulation in Buyers' Brains. Is the kind enjoyed by the American Florist. Its actual paid circulation we believe, is the largest in its class. The contents are of real present value and are preserved for future reference. Advertisers who realize this establish permanent business with the best trade in the United States and Canada.

Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Alternantheras, R. C., P. Major, A. Nana, 50c per 100; \$1 per 1,000. J. W. Davis, 225 W. 16th St., Davenport, Ia.

Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

Alternantheras, red and yellow, 2 1/4-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

AMPELOPSIS.

Ampelopsis Veitchii, 3-year-old, \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

ARAUCARIAS.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechslin, 4911 Quincy St., Chicago.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 4-in., 6 to 8 ins., case lots of 50 and 100 each, \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus nanus, from 2 1/4-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens; G. F. Neipp, prop., Chatham, N. J.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus, 2 1/2-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. Sprenger, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus nanus, 2 1/4-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. Sprenger, 2 1/2-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

Asparagus plumosus, 2 1/4-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprenger, 2 1/4-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2 1/4-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, \$2.50 per 100. Sprenger, 4-in., \$3.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 3 1/2 in., \$7 per 100. Calvert Floral Co., Lake Forest, Ill.

Asparagus plumosus and Sprenger, 3-in., \$5.50 per 100. Goshen Floral Co., Goshen, Ind.

AZALEAS.

Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

BAY and BOX TREES. Fine assortment. State size wanted. Wagner Park Conservatories, Sidney, O.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay Trees. Bobbink & Atkins, Rutherford, N. J.

BEDDING PLANTS.

Bedding plants. Abutilon Savitzi; Acalypha macafeana; Achyrantes Emersoni; ageratum, 7 varieties; Begonia Vernon; Cuphea platycentra; Cineraria Maritima candidissima; Canas, assorted and King Humbert; Coleus, Brillancy and 11 standard varieties; Chrysanthemums, hardy pompons; Fuchsia, Gotingen and Marinka; hardy English ivy; Geraniums, ivy leaved, Mt. of Snow, Mrs. Pollock, Silver leaf Nutt, Sophie Dumaresque; Heliotrope Chieftain and Mme. Bruant; Lemon verbea; moonvine, white and blue; petunias, dbl. fringed mixed; Sage Holts mammoth; Salvia Bonfire and Zurich; Senecio scandens, parlor ivy; Verbenas, 5 vars.; hardy phlox, 10 varieties. For sizes and prices see advertisement elsewhere in this issue. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Coleus, alternantheras, red and yellow; heliotrope, scarlet sage, lemon verbea, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Bedding Stock of all kinds. Geo. A. Kuhl, Pekin, Ill.

BEGONIAS.

Begonias. Lorraine, 2 1/2-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Turnford Hall, Betty Anderson, La Patrie, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

Begonia Glory of Cincinnati, young shoots from base, \$15 per 100; \$140 per 1,000. J. A. Peterson, Cincinnati, O.

Begonias, Gloire de Lorraine and Glory of Cincinnati, \$2 per doz.; \$15 per 100; \$140 per 1,000. Vaughan's Seed Store, Chicago and New York.

Rex Begonia, assorted, 3-in., \$5 per 100. The Dingee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Bush box, 12 ins., 30c each; \$25 per 100. Storrs & Harrison Co., Painesville, O.

BOXWOODS. Pyramidal, a limited stock to close, 4 to 5 ft., \$3.50 each; 3 to 4 ft., \$2.50 each; 2 ft., 75c each. Cash with order. F. O. Franzen, 1476 Summerdale Ave., Chicago, Ill.

Box trees. For prices and sizes see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fliske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lilies, E. S. Miller, Wading River, N. Y.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Begonias and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, Surplus of L. Multiflorum, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, Duke of Marlborough, Burbank, \$2 per 100. Coronet, Florence Vaughan, \$1.50 per 100. A. S. Watkins, West Grove, Pa.

Cannas, leading kinds. Cedar Hill Gardens, Sea Cliff, L. I., N. Y.

CARNATIONS.

Carnations Brooklyn. Rooted cuttings, \$12 per 100; \$10 per 1,000; 250 at 1,000 rate, Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward, White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnation California Giant, \$1.50 each; \$15 per doz.; 2 1/2-in. pots. Richard Diener & Co., Mountain View, Calif.

Carnation The Herald, \$12 per 100; \$100 per 1,000 Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. F. Dornier & Sons Co., La Fayette, Ind.

Carnations, Victory, 2-in. pots, \$1.50 per 100. Washington, \$5. A. M. Herr, Lancaster, Pa.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemum Cuttings, Yellow: Monrovia Cremo, liliaday, Bonnafton, Whilldin, White: Oct. Frost, Opah, Estelle. Pink: Pacific, Pacific Supreme, M. Bailey, \$1.25 per 100; \$12 per 1,000. White: Early Snow, Touset, Clay Frick, Nonin, Bonnafton, S. Wedding, Dean. Pink: Duckham, Enguehard, Dean, \$1.75 per 100; \$15 per 1,000. Cash please. A. S. Watkins, West Grove, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

HEADQUARTERS
CHRYSANTHEMUMS, ROOTED CUTTINGS
OUT OF SAND AND SOIL.

White.		Per 100
White Ivory	.....	\$2.00
Chadwick	.....	2.50
October Frost	.....	2.00
Yanoma	.....	2.00
Mrs. Buckbee	.....	2.00
W. Bonnaffon	.....	1.50
Touset	.....	1.50
W. Gloria	.....	2.00
Yellow.		
Major Bonnaffon	.....	2.00
Yellow Eaton	.....	2.00
Golden Chadwick	.....	2.50
Golden Glow	.....	1.50
Monrovia	.....	1.50
Robt. Halliday	.....	2.00
Col. Appleton	.....	2.00
Nagoya	.....	1.50
Pink.		
Rosiere	.....	1.50
Pacific	.....	1.50
Monogram	.....	1.50
Ivory	.....	2.00
Gloria	.....	2.00
Dr. Enguehard	.....	2.00
J. Rosette	.....	1.50
Marian Newell	.....	2.00
Red.	.....	2.00
Intensity	.....	1.50
POMPONS.		
White.		
Baby Margaret	.....	2.00
Diana	.....	2.00
Garza	.....	2.00
Lulu	.....	2.00
Yellow.		
Quinola	.....	2.00
Baby	.....	2.00
Pink.		
Mrs. E. Roberts	.....	2.00
Ladysmith	.....	2.00
Emille	.....	2.00
Bronze.		
Mary Richardson	.....	2.00
CUT BACK PLANTS—OUT OF SOIL.		
Pink.		Per 100
Rosiere	.....	\$2.00
Pacific	.....	2.00
Marion Newell	.....	2.00
Rosette	.....	2.00
Monogram	.....	2.00
Gloria	.....	2.00
White.		
Buckbee	.....	2.00
Touset	.....	2.00
October Frost	.....	2.00
Ivory	.....	2.00
Chadwick	.....	3.00
Bonnaffon	.....	2.00
Yanoma	.....	2.00
Yellow.		
Appleton	.....	2.00
Monogram	.....	2.00
Bonnaffon	.....	2.00
Halliday	.....	2.00
Nagoya	.....	2.00
Golden Glow	.....	2.00
Eaton	.....	2.00
POMPONS—CUT BACK.		
White.		Per 100
Baby Margaret	.....	\$2.00
Lulu	.....	2.00
Pink.		
Emille	.....	2.00
Mrs. E. Roberts	.....	2.00
Ladysmith	.....	2.00
Yellow.	.....	2.00
Baby	.....	2.00
WIETOR BROS., 162 N. Wabash Ave., Chicago.		
CHRYSANTHEMUMS.		
Crimson,	R. C. Per 100.	Per 1,000
Pockett's Crimson	.....	\$20.00
Intensity	.....	2.00
White	R. C. Per 100.	Per 1,000.
Alice Byron	.....	\$2.00
Touset	.....	15.00
October Frost	.....	2.00
Yellow.	R. C. Per 100.	Per 1,000.
Crocus	.....	\$4.00
Golden Glow	.....	\$35.00
Halliday	.....	2.00
Maj. Bonnaffon	.....	2.00
Pink.	R. C. Per 100.	Per 1,000.
Pacific Supreme	.....	\$2.00
J. D. THOMPSON CARNATION CO., JOLIET, ILL.	.....	\$15.00
ROOTED CUTTINGS out of Sand. Out Door Propagation. Ready to ship. Safe arrival guaranteed. WHITE, \$1.50 per 100; \$12.50 per 1,000; Early Chadwick, Kalb, White Cloud, Mile, Desious, Florence Pullman, Mrs. Buckbee, Silver Wedding, Lynwood Hall, Queen, Timothy Eaton, Yanoma. YELLOW, \$1.50 per 100; Monrovia, Halliday, Appleton, Golden Wedding. PINK, \$1.50 per 100; \$12.50 per 1,000; W. H. Simpson, J. Rosette. SINGLE SORTS: Cosmos, Pink; Lady Smith, pink, MEMPHIS FLORAL CO., 145 South Main St., Memphis, Tenn.		
Chrysanthemums, Major Bonnaffon, Standard yellow, every plant well rooted, \$10 per 1,000. Cash with order. Charles M. Weaver, Ronks, Pa.		
Chrysanthemums, strictly first-class stock, White, Chadwick, Yellow Chadwick, White Jones and Yellow Jones. R. C., \$2.50; 2 1/2-in. pots, \$3.50 per 100. Otto J. Hembreiker, Lincoln, Ill.		

Chrysanthemums, first-class, of the following varieties: Touset, Golden Glow, Early Snow, Pacific Supreme, Bonnaffon, Ivory, Halliday, Enguehard, White and Pink Maud Dean, Minnie Bailey, Pompons, Diana, Geo. Hager, \$1.25 per 100, \$10 per 1,000. Leonard Utzinger, 800 Lake View Road, Cleveland, O.

Chrysanthemum cuttings, from sand and soil as follows: White—Estelle, Polly Rose, Oct. Frost, Ivory, Jeanne Nonin, Silver Wedding. Yellow: Golden Glow, Maj. Bonnaffon, Yellow Eaton, Pink: Glory Pacific, Pacific Supreme, Minnie Bailey, \$1.25 per 100; \$12 per 1,000, D. H. Green, Boonsboro, Md.

CHRYSANTHEMUMS.
Strong plants, 2 1/2-in. pots. Per 100 Per 1,000
4,000 Virginia Poehlmann.....\$3.00 \$25.00
2,500 Golden Glow..... 3.00 25.00
Chicago Carnation Co.,
30 E. Randolph St., Chicago, Ill.

Chrysanthemums, transplanted cuttings, White Ivory, Opah, Halliday, Bonnaffon, Pacific Supreme, Enguehard, Whildin, Pink Ivory, \$1.25 per 100; \$12 per 1,000. Golden Wedding, \$2.25 per 100; \$20 per 1,000. T. W. Baylis, West Grove, Pa.

Chrysanthemums. The best for florists' use. For list of varieties see advertisement elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums. Chas. H. Totty, Madison, N. J.

Chrysanthemums. Wm. Swayne, Box 85, Kennett Square, Pa.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, 2-in., frame-grown, Dwarf Gold Medal Strain, tall and Stellata, 2 1/2 c. J. L. Schiller, Toledo, O.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, 10 varieties, 2 1/4-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

CUPHEAS,

Cupheas, 2 1/2-in., \$2.50 per 100. Heintz's Greenhouses, West Toledo, O.

CYCLAMENS.

Cyclamens, 3-in. pots, \$10 per 100; \$80 per 1,000. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, leading kinds, \$5.50 per 100; \$30 per 1,000. Divided field-roots, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Dahlias, new and standard varieties. Bassett & Weller, Hammonton, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DAISIES.

DAISY HEADQUARTERS. We offer the two best, Mrs. Sander, Solid 'Or (yellow), strong plants from 2 1/2-in. pots, \$5 per 100. Weiland & Risch, 154 N. Wabash Ave., Chicago.

DRACAENAS.

Dracena indivisa, 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$4 per doz.; \$30 per 100. Large plants, 8 and 9-in., \$1, \$1.50 and \$2. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracena indivisa, 5-in., \$3 per doz.; \$25 per 100; 6-in., \$5 per doz., \$30 per 100. Extra large plants, pot grown. Cash with order, please. Leonard Utzinger, 800 Lake View Road, Cleveland, O.

Dracena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Dracena indivisa, pot-grown, stock green to the points, 5-in., \$25 per 100; 6-in., \$35 per 100; 7-in., \$75 per 100. John Irvine & Sons, Bay City, Mich.

Dracena indivisa, 4-in., \$10 per 100; 6-in., \$25 per 100. Calvert Floral Co., Lake Forest, Ill.

Dracena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Amerpohl, Barrowsll, Scotti, Elegatissima, Boston Jacksoni, Sword and Whitman, from 4-in. pots, \$15 per 100. Same varieties, 2 1/2-in., \$4 per 100. The Dingee & Conrad Co., West Grove, Pa.

Boston ferns for 4, 5 and 6-in., 12c, 20c and 25c. 25,000 Boston and Whitman for 2 and 3-in., \$20 per 1,000. True Winter flowering yellow Marguerites unrooted, \$2; rooted, \$4 per 100. Cash. A. G. Lake, Wellesley Hills, Mass.

FERNS FOR DISHES, transplanted seedlings, 5 varieties, \$1 per 100; \$9 per 1,000; 2-in. assorted, \$3 per 100; \$25 per 1,000. Asparagus Tenuissimus, \$3.50 per 100; \$30 per 1,000. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns of quality, Boston, Whitman, Amerpohl, 3-in., 7c; 4-in., 12c; 5-in., 20c; 6-in., 40c. Truitts' Greenhouses, Chanute, Kans.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$2.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechsln, 4911 Quincy St., Chicago.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

500 Boston ferns out of 3-in., at \$5 per 100. Edgar Easterday, Nokomis, Ill.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

GERANIUMS.

GERANIUMS. We have an especially nice lot of S. A. Nutt, Grant, Poitevine and Buchner, 4-in., 2 1/2-in., rooted cuttings and stock plants. If you need any we will be pleased to submit interesting prices. The W. T. Buckley Co., Springfield, Ill.

Geraniums, 4-in. S. A. Nutt, Poitevine, Ricard, well grown, 8c per 100, in bloom, without pots. Cash with order. 500 Salvia, 4c. H. W. Allersma, Grand Rapids, Mich.

Geraniums, 10,000 S. A. Nutt, good strong 4-in., in bud and bloom; we are sure this stock will please you at \$8 per 100. Cash with order please. Frank Felke, 828 Ridge Ave., Wilmette, Ill.

Geraniums, S. A. Nutt, Ricard, Beaute Poitevine, White Buchner, 2 1/2-in., 3c; 2-in., 6c; 4-in., 7c and 8c. Good, stocky plants in bud and bloom. Cash with order. Gus Schlegel, Olney, Ill.

GERANIUMS, all varieties. Large plants, \$8 per 100. M. C. Gunterberg, S2-S6 E. Randolph St., Chicago, Ill.

Geraniums, 2 1/2-in. in standard varieties, \$3 per 100; \$25 per 1,000. Rober & Radke, Maywood, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, R. C. \$10 per 1,000. Nutt, Poitevine, Ricard. A. M. Herr, Lancaster, Pa.

Geraniums, Mme. Salleron, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, Nutt, and 5 varieties 3-inch, my selection, \$6 per 100. Jos. H. Cunningham, Delaware, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Geraniums, S. A. Nutt, 4-in., \$7 and \$8; 3-in., \$5 per 100. Beante Poltevine, 3-in., \$6 per 100. Otto J. Hembreich, Lincoln, Ill.

Geraniums, 4-in., all colors, \$7 per 100. Calvert Floral Co., Lake Forest, Ill.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, Henry M. Robinson & Co., 40 W. 26th St., New York.

HARDY PLANTS.

Hardy pinks, field clumps, \$2 per 100. Sweet williams, field clumps, \$3 per 100; \$25 per 1,000; small plants, 50c per 100; \$3.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Hardy perennials. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Ruthersford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangeas for summer flowering, 11-in., pall-tubs, 5 to 6 leads, \$1 each; 12-in., Rlverton tubs, 8 to 10 leads, \$2.50 each; 14-in., 10 to 12 leads, \$3.50 each. Jeanne d' Arc, 6-in. pots, 25c each; 10-in., pall-tubs, 75c. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Hydrangeas, two to six flowers each, 6 and 7-in., 50c, 75c, \$1 and \$1.50 each. Large plants for later blooming, in cedar tubs, 14-in. diam., \$3 and \$4 each; in butter tubs, \$1 less; extra large specimens in half barrels, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

IRISES.

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

IVIES.

English ivy, the large leaved, hardy variety; splendid plants, 2 to 3 1/2 feet long, \$10 per 100; \$90 per 1,000; in lots of 5,000, \$80 per 1,000. John Irvine & Sons, Bay City, Mich.

English ivy, 2 1/2-in., \$3 per 100. The Good & Reese Co., Springfield, O.

LANTANAS.

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Harburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the Valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$13 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, Lambert's Pure Culture. American Spawm Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Trees, ornamental and fruit. Barnea Nurseries, Sta. K. Cincinnati, O.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Relgate, England.

Orchids, Cattleya and Laelia Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid pent. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utiles, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Cycas stems, dormant, 50 lbs., per lb., 10c; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs. and up, 7 1/2c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, \$3 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 2 1/2-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2 1/2-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

POINSETTIAS, orders booked now for July and August delivery. Write for prices. Roher & Radke, Maywood, Ill.

PRIMULAS.

Primula, 2-in., frame grown, main specialty for many years, ready June 15. OBCONICA Ronsdorfer and Lathmann strains, positively best in existence. GRANDIFLORA, 10 colors and GRANDIFLORA FRINGED, 5 colors, 2 1/2c. GIGANTEA, 5 colors, 3c. CHINENSIS GRANDIFLORA FRINGED, 11 colors, 2 1/2c. J. L. SCHILLER, Toledo, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash please. J. W. Miller, Shiremanstown, Pa.

PRIVET.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 in., 3c. The Dingee & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS. Fine specimen plants, 10 to 12 buds, 50c each. Cash with order. F. O. Franzen, 1476 Summerdale Ave., Chicago, Ill.

Rhododendrons, 18-24 in., named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

ROSES.

CHOICE ROSE PLANTS.

Table with columns: Name, Size, Price Per 100, Price Per 1,000. Includes American Beauties, Pink Killarney, White Killarney, Richmond, Jardine, Uncle John.

WIETOR BROS.

162 N. Wabash Ave. Chicago

ROSE PLANTS.

Table with columns: Name, Price Per 100, Price Per 1,000. Includes Richmond, Melody, My Maryland.

SINNER BROS.

82 E. Randolph St., Chicago, Ill.

ROSES-ROSEDS.

Table with columns: Name, Price Per 1,000. Includes Richmond, Kaiserin, Mrs. Anton Ward, FLORIST-13p-June 3, Melody.

SALVIA splendens, 2-in., pots, \$2.00 per 100; 3-in. pots, \$3 per 100.

Cash with order.

J. HENRY BARTRAM, Lansdowne, Pa.

ROSES FOR LINING OUT.

Table with columns: Name, Price Per 100. Includes Orleans, Hiawatha, Lady Gay, Evangeline, Minnehaha.

THE CONARD & JONES CO.,

West Grove, Pa.

NEED ROSE PLANTS?

We Ship Orders Same Day.

Table with columns: Name, Price Per 100, Price Per 1,000. Includes Mrs. Taft, Killarney, White Killarney, Richmond, Minnehaha.

WEILAND & RISCH,

154 N. Wabash Ave. Chicago.

Roses, Killarney Queen, and Dbl. White Killarney grafted, \$30 per 100; \$250, \$70; \$250 per 1,000; own roots, \$25 per 100; \$200 per 1,000. Richmond grafted, \$15 per 100; \$120 per 1,000; own root, \$7.50 per 100; \$60 per 1,000. Mrs. Taft, own roots, \$7.50 per 100; \$60 per 1,000. Radiance, own root, \$7.50 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

ROSE PLANTS.

Table with columns: Name, Price Per 100, Price Per 1,000. Includes American Beauty, Pink Killarney, Asparagus plumosus.

GEO. REINBERG,

162 N. Wabash Ave., Chicago, Ill.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Am. Beauty, 2 1/2-in., \$4.50 per 100; \$40 per 1,000. Perle, 2 1/2-in., \$4 per 100; \$30 per 1,000. Bench plants: Am. Beauty, \$5 per 100; \$45 per 1,000. Pink Killarney, Killarney and Perle, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses, Am. Beauties, 2 1/2-in., \$5 per 100; \$45 per 1,000. My Maryland, 2 1/2-in., \$4 per 100; \$35 per 1,000. White Killarney, 2 1/2-in., \$4 per 100; \$35 per 1,000. J. A. Budlong, 82-86 E. Randolph St., Chicago.

Rosen, grafted, Mrs. Aaron Ward, \$12 per 100. White Killarney, \$12; Rhea Reid, \$12. Perles, own roots, \$3.50 per 100; 2 1/2-in. pots, \$30 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, strong, clean stock, Kaiserin Augusta Victoria, Perle, Richmond, White and Pink Killarney, own roots out of 3 1/2-in. pots at \$6 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Roses, Killarney and White Killarney, 2 1/4-in., \$5 per 100; \$45 per 1,000. Castle Grove Greenhouses, Danville, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Pochlmann Bros. Co., Morton Grove, Ill.

Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthas. Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

ROSES. Send for New Trade List just out. THE CONARD & JONES CO., West Grove, Pa.

SEEDS.

GERANIUM SEEDS. Mammoth hybrids, our own production, single flowers, two inches to over three inches diameter. Trusses five inches to over eight inches. Insect crossed, all shades. Grand novelties. Price, trade packets, \$1 each. Richard Diener & Co., Mountain View, California, U. S. A.

SOW NOW if you want them for early Spring sales.

	6 tr.	Tr.
Begonia Bedding Queen, finest pink	\$2.50	\$0.50
" Gracilis luminosa, finest red	2.50	.50
" Triumph, finest white	2.50	.50
O. V. Zangen.		Hoboken, N. J.

Seeds, beans, peas, sweet peas, corn, onions, turnip, radish, beet, etc. The Everett B. Clark Seed Co., Milford, Conn.

Seeds, watermelon and muskmelon. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, sweet peas. Burnett Bros., 72 Cortlandt St., New York.

Seeds, specialties, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, N. J.

Seeds, beans, peas, radish and all garden seeds, onion sets. Leonard Seed Co., 226-30 W. Kinzie St., Chicago.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds. Richard Diener & Co., Mountain View, Calif.

SMILAX.

Smilax, strong, 2-in., 2c; per 1,000, \$18. J. L. Schiller, Toledo, O.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, 2 1/4-in., \$15 per 1,000. W. W. Coles, Kokomo, Ind.

VEGETABLE PLANTS.

Vegetable plants, Early Jersey, Wakefield, Faultless, All Head and Succession Cabbage plants, \$1 per 1,000. Selected plants ready to plant out, \$2 per 1,000. Tomato plants, New Stone, Earliana, Matchless, Truckers' Favorite, June Pink, Beauty and others, good stocky plants, \$2.50 per 1,000. Packing and safe arrival guaranteed. Danville Floral Co., Danville, Ill.

300,000 yellow Jersey and Red Bermuda sweet potatoes. Early and late tomatoes, \$2 per 1,000. Early and late Cabbage, Kale, Kohl rabi, extra fine, \$1.50 per 1,000. Cash. Mrs. Edward Hayden, Greenview, Ill.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. Stuis Seed Store, 544 W. 63rd St., Chicago.

VERBENAS.

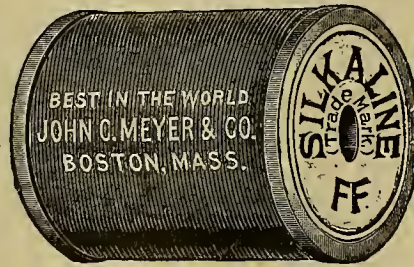
Verbenas, seedlings, strong plants, 60c per 100; 2 1/4-in., assorted, \$1.50 per 100. Rober & Radke, Maywood, Ill.

VINCAS.

Vinca variegata, extra strong, 2 1/4-in., \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinca variegated, 4 and 5-in., 6, 8 to 10 long streamers, fine plants, 12c each. Cash. Gus Schlegel, Olney, Ill.

Vincas, big, strong, 3-in., \$5 per 100; \$45 per 1,000. C. Humfeld, Clay Center, Kans.



The Meyer Green Silkalkine

The Best Thread on The Market for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Richardson Greenhouse Boilers. Richardson & Boynton Co., 31 W. 31st St., New York, 66 E. Lake St., Chicago, 51 Portland St., Boston, 1107 Arch St., Philadelphia.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

BUILDING MATERIAL.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Greenhouse lumber of all kinds. Lockland Lumber Co., Lockland, O.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts. Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

GREENHOUSE CONSTRUCTION.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

MISCELLANEOUS.

Clara cemetery vases, 12 ins. high, doz., \$2.50; barrel of 3 doz., \$6, f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

Florists' Supplies. Henry M. Robison & Co., 46 W. 26th St., New York.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Green Silkalkine. John C. Meyer & Co., Lowell, Mass.

Baskets, see advertisement elsewhere in this issue. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Raffia for florists. Vaughan's Seed Store, Chicago and New York.

Ribbons and chiffons. Wertheimer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pine Stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

The Importance of a Right Plan

CONTINUALLY we are up against propositions where the gardener wants one thing and the owner another. Now the question comes up: Shall we build what they want, or try to swing them around to a plan that will work out for economy, endurance, convenience, attractiveness, and that can be added to without looking like a sore thumb?

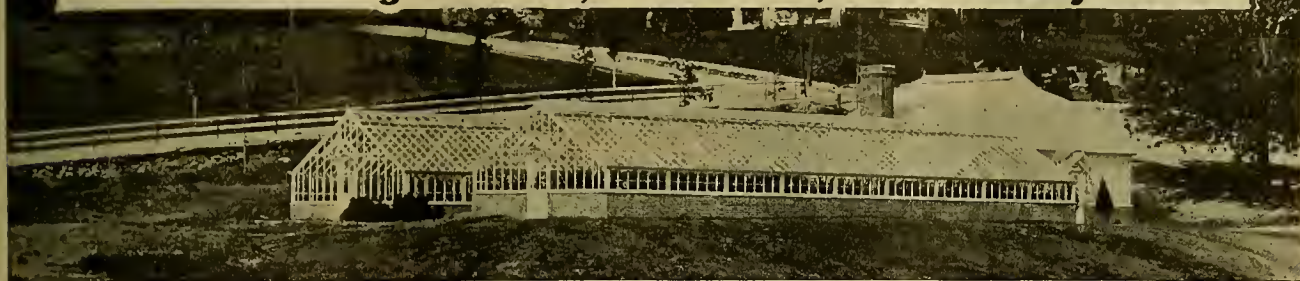
Naturally, we endeavor to put into use our 60 years' experience the business. Sometimes we run up against a snag and our cus-

tomers insist on building some unfortunate thing. Every time we carry such ideas out, invariably the owner sees the error when the layout is completed and blames us for it. Even accuses us of not knowing our business.

So, right at the start, it's always best to call us in and talk things over, as we may, in the end, save you many mistakes.

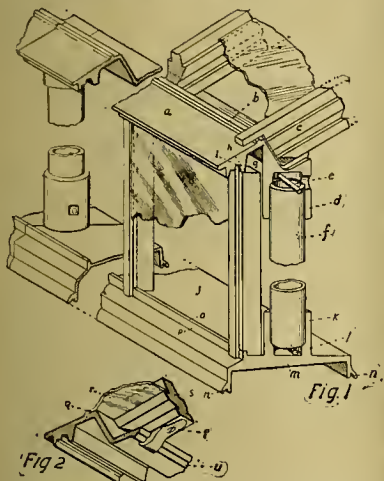
When shall we come?

Hitchings & Co., Elizabeth, New Jersey



Metropolitan Material Co.

PATENT IRON SIDE WALL CONSTRUCTION



With a little extra cost above wood anyone can have an iron-wall greenhouse by bolting the different pieces together and securing roof-bars for any size glass with the clips.

The above is only one of the many latest and up-to-date materials we have. Get our prices on Greenhouse Louisiana Cypress material, heating, ventilating, bench materials, hotbed sash, etc.

1396-1410 Metropolitan Avenue, BROOKLYN, N. Y.

GOOD PROFIT

Manufacturing and selling a **Nicotine Spray and Fumigant**. Costs \$2.00 per gallon; retails for \$12.00. One ounce to 10 gallons water gives fine results, destroys bugs and plant bacteria. Guaranteed formula mailed for \$2.50.

Chemist, **F. D. McNew**, Owensboro, Ky.

Boilers OF HIGH GRADE. For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

J. Jaeger, a User, Says This About a No. 5 Superior Boiler :

CHICAGO, ILL., March 12, 1912.

SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly, [Signed] J. JAEGER, 7554 Barton St.



SEND FOR CATALOGUE

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago

Near Des Plaines St.,

What the Users say



Send
For Catalogue

**Cast Iron Boilers Require Twice the Amount of Coal;
Kroeschell Boilers Only One Half.**

"I bought a No. 3 boiler in 1901. We had a corrugated cast-iron fire box boiler and sectional cast-iron boiler before we bought yours in 1901. The cost of heating with this boiler is **ONE-HALF LESS THAN IT WAS WITH MY CAST IRON** boilers. Your No. 8 Boiler, which we bought recently of you, is not being run to its capacity."

WM. GEENEN, Kimberly, Wis.

KROESCHELL BROS. CO., 452 W. Erie St., Chicago, Ill.

Everybody is Using

Aphine

*The Insecticide that
kills plant Lice
of every species*

Dawson, Y. T., Can., April 29, 1912.
"Enclosed find money order, for which please send me by express three gallons of Aphine. The last shipment has proved exceedingly satisfactory." W. HORKAN.

FUNGINE

Livingston, Mont., May 18, 1912.
"I have been trying Fungine on lettuce for what is termed grey mold, and it seems to do the work. The trial has been brief, but sufficient to convince me that it is all right for this purpose. Please let me know the nearest supply point to me."

EDGAR PHINNEY.

FOR SALE BY SEEDSMEN

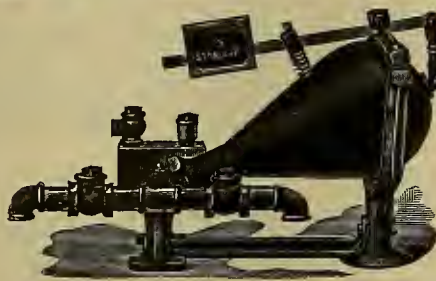
Manufactured by
**Aphine Manufacturing Company
MADISON N. J.**

Why Not You?

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

*Green Flies and
Black ones too*
are easy to kill with
The Fumigating Kind Tobacco Powder
\$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.



Standard Steam Traps

The simplest, most durable and up-to-date steam trap on the market.

Ask the man who owns one

Catalogue sent on request.

E. HIPPARD Co., Youngstown, Ohio

**D. D. Johnson's Celebrated
EVERGREEN BRAND FLOWER AND LAWN FERTILIZER**

Unrivalled For All Floricultural and Horticultural Purposes
GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

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All rights reserved by

**United Fertilizer Company
Manufacturers**

143 North Wabash Avenue

Chicago, Ill.

**NIKOTEEN
APHIS PUNK**

The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. Full pint bottles, \$1.50.

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. **ALL SEEDSMEN.**

Prepared by **THE NICOTINE MFG. CO.,**

St. Louis, Mo

**Cattle Manure in Bags
Shredded or Pulverized**



Pure-dry-uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

**Pulverized
Sheep Manure**

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequaled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago

Black flies and green flies are easy to kill with

**"TIP TOP" BRAND
TOBACCO POWDER**

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag
Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
713 1st. Ave., New York

Mention the American Florist when writing

**The Early Advertisement
Gets There**

Richardson Greenhouse Boilers

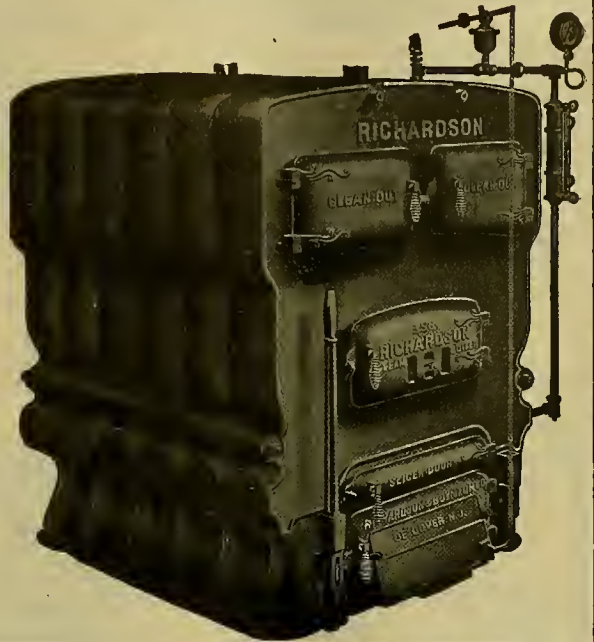
HOT WATER AND STEAM

Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities

**Guaranteed Ratings
Economy
Ease of Management**

**Send for
Catalogue
and Prices**



Established 1837.

Richardson & Boynton Co.

MANUFACTURERS,

31 West 31st St.,

NEW YORK

**66 East Lake St.,
CHICAGO.**

**51 Portland St.,
BOSTON.**

1107 Arch St., PHILADELPHIA.

Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.



ADVANCE CO., Richmond, Ind
Mention the American Florist when writing

A. HERRMANN,

Caps Flowers, all colors, Cypas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Mention the American Florist when writing

Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning Hall Insurance, address

JOHN G. ESLER, Secretary,

SADDLE RIVER, N. J.

Please mention the American Florist when writing

KING



GREENHOUSES

Glass, Heating, Benches and Erecting is the same for the best or worst.

Write for Bulletins and Question Blank.

King Construction Co.

Head Office and Works:
N. TONAWANDA, N. Y.

Eastern Sales Office:
No. 1 Madison Ave., New York

The Kind You Have Longed For Light, Strong and Lasting

You cannot afford to build any other kind, for they bring the desired results, and are good houses

For a Long time.

The difference in cost between the best and cheapest is hardly worth considering for the cost of

50% SAVED. Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO

—BURNED CLAY—
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.

THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

Halftone Plates

Made from sprays of flowers, either in natural colors or for black printing.

Letter heads, envelopes, bill heads, statements, cards and special labels.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO

THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings, being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

The National Florists' Board of Trade, 56 Pine St. NEW YORK



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried—

New York
Chicago

Wichita, Kan.
New Orleans, La.

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

Dreer's Peerless Glazing Points

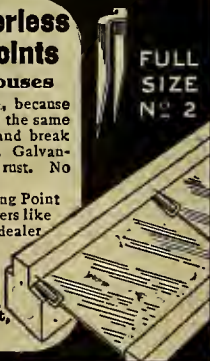
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

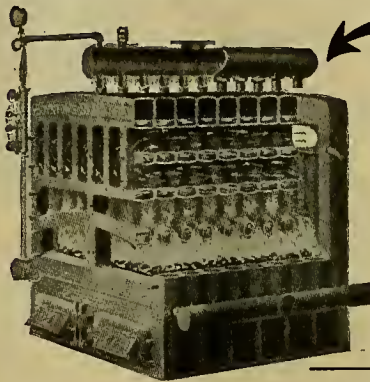
1000, 75c. postpaid. Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.



FULL
SIZE
No 2

Mention the American Florist when writing



Boynton Furnace Co.

SOLE MANUFACTURERS OF

BOYNTON'S

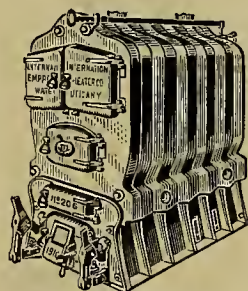
WATER and STEAM BOILERS

FOR HEATING ALL KINDS OF BUILDINGS

Especially Adapted to Heating Greenhouses

New York { Chicago } Jersey City
 { 131 W. Lake St. }

Mention the American Florist when writing



You May Think you can't afford the best greenhouse heating system, but you must admit that you need it.

Fuel economy and time saving will make an

**INTERNATIONAL
Empress Boiler** pay for itself. Can you afford to wait? Write us.

INTERNATIONAL HEATER CO., UTICA, N. Y.

SIEBERT'S ZINC

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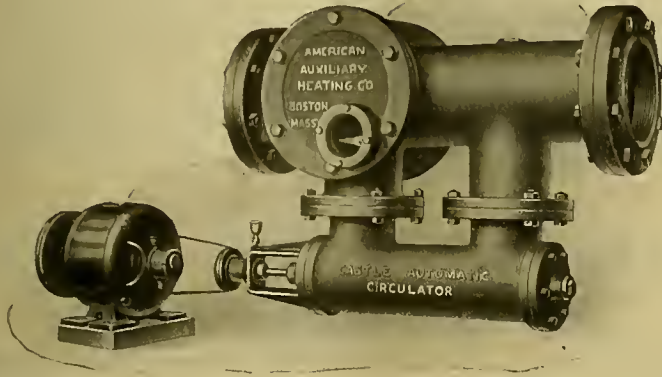
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20, 1912. B. H. FARR, President; A. P. SANDERS,
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ROYAL INTERNATIONAL EXHIBITION

Held at the Chelsea Hospital Grounds, London, Eng., May 22-30, 1912.

Some of the Striking Exhibits.

Our correspondent's account of the
great international exhibition was be-
gun in the issue of June 8, page 1177,
and the narrative is continued here-
with.

Messrs. Russell, of Richmond, also
exhibited caladiums in fine style and
Fisher, Son & Sibray, Sheffield, made
a very effective display of other aroids
like Anthuriums Scherzerianum and
Andreanum, the spathes of which were
of extraordinary size, and brilliant in
color. J. Veitch & Sons, of Chelsea,
were the only other exhibitors of note
with anthuriums, dieffenbachias, agla-
onemas, fine specimens of which were
in their large and attractive groups of
stove and greenhouse plants.

Amongst the gingerworts shown mar-
rantas and calatheas appeared in fair
prominence, chiefly from Veitch &
Sons, but cannas were shown by sev-
eral, including the same firm, and also
Cannell & Sons, of Swanley. Some of
the finest red kinds included Prof. F.
Rober, Adolf Grimminger, Geheimrat
Borsig, Furst Weid, etc.

Azaleas of the Indian section were
not very conspicuous, the season being
almost over for these wonderfully
showy plants. One of the most bril-
liant displays with these came from
Louis Van Houtte, pere, Ghent, Bel-
gium, who staged 200 feet of space
with 55 plants in 8-inch and 10-inch
pots and was awarded the second prize,
the first having evidently been with-
held. The plants were not so full of
flower as they would have been earlier
in the year, but they were well covered.
The best crimsons included Vuylsteke-
ana, President A. D'Haene, and Presi-
dent Roosevelt. Among the pure
whites were noticeable Niobe, Mdlle.
Fernande de Puynode. alba odoratis-
sima plena and Roi des Blancs.

Begonias of the tuberous section
were one of the brightest features of
the show and, curiously enough, they
were placed in a tent that lacked a
good deal of light. But the collections
of Blackmore & Langdon, Twerton
Hill, Bath, and Ware & Son, Feltham,
dispelled the gloom by the gorgeous
brilliance of their blossoms. The first
named firm took the first prize (a gold

medal) and richly deserved it. Among
the gems in their collection we noticed
Princess Victoria Louise, soft salmon
pink, which received further recogni-
tion with an award of merit; the best
pure whites being Empress Marie and
Mrs. J. Thornton. Ware's group had
King George, orange scarlet; Countess
Cadogan, orange apricot; Patrick Ains-
lie, deep crimson; H. R. Whitelaw,
scarlet; and Lady Cromer, white de-
ply shaded with pink towards the base.

Gerberas are coming to the front of
late years in England, especially since
it has been demonstrated that they
lend themselves readily to the opera-
tions of the hybridist. Stuart Low &
Co., Bush Hill Park, Enfield, received
the first prize (silver gilt medal) for a
group of 50 square feet. The varieties
were mostly of the deep red colors, but
there were also pink, yellow and white
sorts. A French firm, the Etablisse-
ments Horticoles du Littoral, Cap
d'Antibes, also had a fine collection of
these South African composites, very
varied in color, shades of scarlet,
mauve, apricot, crimson, white, sal-
mon and yellow, being represented.
Some of the single flower heads meas-
ured over six inches across.

Gloxinias were shown by J. Veitch
& Sons and Webb & Sons. Stour-
bridge, in their non-competitive groups
and some fine specimens of culture
were displayed, with young plants in
5-inch pots. The foliage was large,
fleshy and luscious, while the individ-
ual blooms were remarkable for their
great size and substance, and for the
clearness and brilliancy of their colors.

Schizanthuses are now one of the
leading features at a show in England.
The plants are not difficult to grow, and
they yield such enormous quantities of
bloom and exhibit so much diversity
in form and color, that they always at-
tract much attention. The best masses
of these plants were shown by Sutton
& Sons, Reading, Webb & Sons, and
Veitch & Sons, all of whom made mag-
nificent displays with finely grown
specimens in 5-inch to 8-inch pots,
those of Messrs. Sutton being particu-
larly fine, that they were admired by
King George when opening the show.

Another plant that has sprung into prominence like the schizanthus, is the nemesia, of which there are now almost innumerable forms. They were superbly shown by Sutton & Sons, in their group around the famous Chillianwallah obelisk that shot upwards through the center of the huge 4-acre tent. In conjunction with these plants were masses of *Primula obconica* with immense flowers of white, pink, purple, rose, and intermediate shades, borne on stems about one and one-half feet high. The more one sees of *Primula obconica* the more one gets to like it for its freedom of bloom and the wonderful shades of color it is developing under the hand of the hybridist.

Cinerarias of the *cruenta* or *stellata* type are now so well established that a show without them would look very flat indeed. They are simply gorgeous when well grown, and the specimens put up by Webb & Sons, Veitch & Sons, and Sutton & Sons, were beyond all praise. The plants ran up three feet and more in height, and bore blooms of white, blue, purple, mauve, pink and intermediate shades. In Veitch's group there was a distinct break with a hybrid between a steelate form known as "Feltham Beauty" and *Senecio auriculatissimus*, the result being a plant of sturdy growth bearing trusses of pale straw-yellow flowers of very attractive appearance.

Calceolarias were not very largely shown, the most conspicuous exhibits coming from Sutton & Sons, Webb & Sons, and one or two private exhibitors. They were mostly of the herbaceous type, but C. Clibrani, of the shrubby section with long sprays of bright golden yellow attracted much attention owing to its graceful habit and free-flowering appearance.

Fuchsias were dotted about here and there, but the most striking feature by far was in Veitch & Sons' exhibit in the center of one of the tents. They had 10 pairs of large specimen plants

trained on slender trellises, and so arranged that they stretched outwards from the center of the stage to the pathways like the long arms of an aeroplane, and were so laden with bloom that one could not but stop to admire them. From a cultural point of view they were perfect, and as each pair was a distinct variety from its neighbor, there was an excellent contrast in color.

Pelargoniums of the zonal, fancy, and sweet-scented types were shown in fair quantity. There was keen competition in the zonals between H. J. Jones, Lewisham, Philip Ladds, Swanley, and W. H. Page, Hampton. The first prize for 150 square feet went to Mr. Ladds, who staged a few of the best known market varieties like Paul Crampel, White Queen, Salmon Paul Crampel, etc., all well grown and effective because of the way in which they were together. From one point of view Mr. Jones' group was much more interesting, as it contained over 30 very distinct varieties, almost all raised by himself. The plants were all well grown, and the trusses were large, well shaped, and the individual pips were clear and rich in color. Mr. Page's group was chiefly remarkable for a splendid mass of his new King Edward VII, a large and brilliant scarlet with immense trusses of bloom.

In the "fancy" section Godfrey & Sons, Exmouth, were the most prominent exhibitors. They staged 40 baskets of plants, each basket having a different variety, but deep reds, crimsons, scarlets and pinks predominated, the petals in all cases being conspicuously blotched and veined with colors quite distinct from the ground color.

Leopold de Rothschild, Gunnersbury Park, Acton, and the Hon. Vicary Gibbs, Aldenham House, Elstree, were the only two other exhibitors in this now little grown class of plants. Mr.

de Rothschild's group had the seat of honor on the right hand of the main entrance to the exhibition, but the specimens, though large and well grown, were practically out of bloom at the time, and therefore did not attract the attention their merits deserved. Besides they were part of a fine collection from the same gardens, in which pergolas of fruiting vines and other fruits were tastefully displayed, that the exhibit as a whole should be taken into account. The large specimens consisted mostly of *P. radula* and *P. capitata*, and were trained on balloons, and fan shaped trellises, the front of the exhibit being relieved by smaller plants of "Little Pet" in full bloom.

The Hon. Vicary Gibbs was a competitive group and easily won the first prize (a silver cup) because there was no other competitor, and also because the plants were worth it. They covered 150 square feet of space, and included many garden varieties in addition to such species as *capitatum*, *quercifolium*, *filicifolium*, *umbellatum*, and the queer-looking square-stemmed *tetragonum*.

Streptocarpus were shown in fair quantity, the most prominent trade exhibitor being Veitch & Sons. They had a grand mass of finely grown plants, sturdy in habit and full of bloom. The colors were also very varied, and passed from pure white to the deepest of crimson into almost scarlet, through pink, mauve, rose, purple, blue and other shades.

It would be impossible to go into detail with other stove and greenhouse plants exhibited, the exhibition was so huge, and the plants were dotted about all over the place. Mention, however, should be made of the groups that were put up by Stuart Low & Co.; Dicksons, Chester; Cypher & Sons, Cheltenham; Peed & Sons, Norwood; Cannell & Sons; and James Carter &



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.
Exhibit of Ferns by H. B. May & Sons, Upper Edmonton, London, Eng.



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.

Japanese Garden With British Trees by James Carter & Co., London, Eng.

Co., Raynes Park, London, S. W. The latter firm had a unique exhibit on the left hand side of the main entrance. The center represented a beautifully cut lawn in the center of which there was a fountain at play and gold fish in the pool. Four beds of splendid petunias were planted on the lawn and beyond these were beds of a bright rose colored stock called Queen Elizabeth. The background was trellised up with a pathway behind and this was flanked with small conifers, while, the pillars and archways were covered with profuse masses of rose Mrs. W. G. Flight in full bloom.

Ferns.—Twenty-four classes were allotted in the schedule for ferns and selaginellas, and over £22 were offered in prizes, besides four gold medals, nine silver cups and several silver and silver-gilt medals. Only four exhibitors, however, were attracted, namely, H. B. May & Sons and J. Hill & Sons, both firms from Lower Edmonton; and Amos Perry, Enfield, besides Mr. MacIntosh from Romford. Messrs. May's group consisted of two distinct sections, British and exotic, and excellent specimens in both were displayed for the public. The hardy varieties contained numerous examples of beautifully cut and tasseled forms of the lady fern, the Male fern, the Harts tongue fern, the shield fern and many others in which the small but enthusiastic

band of pteridologists take a keen delight. In the exotic section both Messrs. May and Hill had specimens of all the most popular as well as many of the rarer and choicer kinds, including of course some of the newer creations of nephrolepis, amongst which *N. exaltata* Roosevelti was conspicuous in Mr. Hill's group. Mr. Perry's group was mostly British, and Mr. MacIntosh's was awarded first prize in the amateur section for stove and greenhouse ferns.

Annuals.

One of the special features of the show was a large and attractive exhibit of annuals, hardy and half-hardy by Watkins & Simpson, Tavistock St., Covent Garden, wholesale seedsmen. Something like 200 species and varieties were exhibited all in full flower and the trade as well as the public were genuinely astonished that so much display could be got out of such plants as annuals. One of the novelties was a *schizanthus grandiflorus maximus*, the plants of which stood quite a yard high and were smothered in bloom. The individual flowers were much larger than the ordinary type and were deeply colored and blotched. *Clarkia* "Vesuvius" was another fine novelty with deep flesh-colored flowers, while "Queen Mary" was another with deep rose carmine. A new strain of *nemesia* also attracted attention, one

variety called "Blue Gem" being very distinct. Forms of *Linaria maroccana* were particularly effective in bold masses with their yellow, white, purple and lilac blossoms. *Dimorphotheca aurantiaca* with its bright orange red marguerite-like blooms made a good foil to the many hybrid forms that have now been raised from it and perhaps other species like *Ecklonia* and others. I must not forget to mention *Linaria reticulata aureo-purpurea*, a plant about two feet high, with slender stems and leaves, but clothed from top to bottom almost with vivid masses of golden and purple flowers that simply riveted one's attention.

Clematis.

There were two special classes for these plants in the schedule, but the only exhibitor was Geo. Jackman & Son, Woking. With a magnificent display of 400 square feet it was impossible to withhold the first prize of a gold medal and £7. The plants were simply superb and were trained to wire balloons and other designs and were clothed all over in bloom. Special mention may be made of Lord Neville, deep mauve; Mrs. Spencer Castle, lilac double; Mrs. Hope, lavender; and the old Belle of Woking, pale pink, very double. Messrs. Jackman also were awarded the silver cup for 12 clematis, distinct, in flower.

Carnations.

Fifteen classes were set apart in the schedule for Perpetual, Malmaison, and border varieties and prizes in cash to the extent of £42 were offered, besides five gold medals, five silver cups, and numerous medals. Amongst the principal trade exhibitors were Carl Engelmann, Saffron Walden; Stuart Low & Co.; W. Cutbush & Son, Highgate; A. F. Dutton, Iyer, Bucks; C. F. Waters, Hassocks; Geo. Mount, Can-

of The Queen, terra cotta, Lady Coventry, scarlet, and Queen Mary, a maroon border variety.

Roses.

Notwithstanding the fact that 26 classes were set apart in the schedule for the "Queen of Flowers," and £36 15s in cash, besides five gold medals and 17 silver cups, were offered in prizes, I don't think I was ever so disappointed at the effect as I was at the "International." While there were

large space, with pathways cut through at right angles; Pergoias were built over these pathways and archways were produced covered with a wealth of blossom. Trellis work was also arranged in such a way as to produce the effect of a private garden railed off from the public gaze. The plants were trained as climbers and also as weepers on tall standards. Among other trade exhibitors were Frank Cant & Co., Colchester; Geo. Mount, Canterbury; Cutbush & Son; Paul & Son, The Old Nurseries, Cheshunt; Wm. Paul & Son, Waltham Cross; Stuart Low & Co.; W. & J. Brown, Stamford; C. Turner, Slough; Prior & Son, Colchester; Hugh Dickson, Belfast; A. Dickson & Sons, Newtownards; Dicksons, Chester, and M. Pernet-Ducher and MM. Turbat & Gouchault, from France.

In Geo. Paul's collection we noticed the Lyon rose in fine condition, and a new one called Magnolia, with creamy white blooms. Lieut. Chaure is a new hybrid tea of deep crimson hue, and W. H. Taft is a deep flesh pink of promise. In the group was a standard on which four different varieties were budded, namely, Excelsa, white; Dorothy Perkins, pink and white forms, and Lady Godiva, crimson, all of which seemed to be of equal vigor.

Wm. Paul & Son filled about 500 feet of space with standards, climbers, weepers, and bush roses. Among the newer kinds were Mrs. Chas. Hunter, a hybrid tea which comes crimson in bud and shades off to carmine. King Edward VII. is a dwarf polyantha with soft pinky white flowers. Nerissa is a hybrid tea with very full flesh colored flowers suffused with peach towards the base of the petals. Ophelia has warm flesh rose blooms deepening to salmon at the base; and Paradise is a climber like Hiawatha, but with larger flowers of deep crimson, the petals being white at the base and reflexed at the sides, which give the blooms a distinct look. Rayon d'or, butter yellow, and Lady Down, buff, are two other hybrid tea roses worth mention.

It is really unnecessary to refer in detail to all the charming kinds shown by the various exhibitors, because they were duplicated in several cases. One could not, however, but be struck with the magnificent masses of Hiawatha that were shown by practically every one. This rose seems to have



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.

Roses Exhibited by Geo. Mount & Son, Canterbury, Kent, Eng.

terbury; J. Douglas, Great Bookham; C. Turner, Slough; F. Burnett, Guernsey; and Mr. Blick, Hayes, Kent, all of whom made creditable displays. Perhaps the choicest group of all was that of C. Engelmann who carried off the honors in class 217 for 150 square feet of space with a group that was considered to be one of the finest ever staged. The plants were perfect from the cultural point of view and the flowers were excellent in quality and exquisite in color. Among the most noticeable varieties were Elektra, orange suffused with pink; Salome, pink and mauve; Sunstar, bright yellow flaked with pink; British Triumph, bright maroon; Lady Northcote, salmon pink.

In Mr. Blick's collection Queen Mary, a very fragrant pink, was a great attraction. Caradive, a brilliant vermilion and pale orange picotee; and Victory, pale rose pink and buff, were also admired.

The most attractive forms in Douglas' group were Jean Douglas, scarlet border variety; Mrs. Henwood, white; Miss Willmott, pink; and Elizabeth Schiffner, orange buff.

In Stuart Low & Co.'s collection Baroness de Brienen, deep crimson; Mrs. Burnett, pink; and Cinnabar, smoked scarlet, were the most conspicuous. In the Malmaisons, Princess Juliana, a pale yellow, was also noticeable.

Mrs. A. F. Dutton, one of the best pinks, shone out in Mr. Dutton's group; Edith Waters, bright cerise, and A. E. Manders, orange striped with pale carmine, in Mr. Waters' group; Ruby (the name describes the color) was the sweetest thing in Mr. Turner's lot, while Cutbush & Son made much

quite a large number of exhibitors, they were dotted about in such a way that a poor effect was produced in comparison to what we are accustomed to see at the Temple Show. And another striking feature about the roses at the "International" was the great preponderance of the rambler and Wichuriana varieties over the hybrid perpetuals and hybrid tea roses. Almost every exhibitor made a great "splash" with his ramblers, and many were the ingenious ways in which they were arranged to secure the most telling effect. Thus Hobbie's, Dereham, Norfolk, had almost all ramblers in a



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.

Rhododendrons Exhibited by John Waterer & Sons, Bagshot, Surrey, Eng.



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.

Exhibit of *Stellata Cinerarias*, *Schizanthuses*, *Petunias*, *Stocks*, *Rambler Roses*, *Palms*, *Etc.*, by James Carter & Co., London, Eng.

taken all rose growers by storm, and it is probably one of the best selling climbers at the present time. *Tausendschon* and *Blush Rambler* are also very popular, while among the dwarf polyanthas *Jessie* is at present unrivalled for bedding out and pot work.

One of the roses that had been boomed in the show was *Madame Edouard Herriott*, in the collection of M. Pernet-Ducher. It resembles the *Lyon* rose in color but the petals are deeply suffused with vermillion, and are somewhat more reflexed on the margins. It will probably become one of the rages of the future and yet like the *Lyon* it may not go with such a rush as was anticipated.

Sweet Peas.

Three special classes were devoted to these and several entered the lists. The most prominent exhibitors included *Dobbie & Co.*, *Rothsay*; *Robert Sydenham*, *Birmingham*; *C. W. Breadmore*, *Winchester*; *R. H. Bath*, *Wisbech*; *J. Stevenson*, *Wimborne*; *G. Stark & Son*, *Great Ryburgh*, *Norfolk*; *J. Agate*, *Sea View Nurseries*, *Havant*; *S. Bide & Sons*, *Farnham*, and *Sir Randolph Baker*, *Bart*, *Blandford*. The plants had evidently been grown with every care and attention to produce the fine examples shown. Some of the most noteworthy varieties were *Dobbie's Scarlet*, *scarlet*; *Decorator*, *old rose*; *Lady Knox*, *cream tinted with buff*; *Lilian*, *pale salmon pink*; *Edith Taylor*, *bright rose*; *Scarlet Emperor*; *Aggie Elder*, *rose cerise*; *Lord Curzon*, *bright magenta*; *Doris Usher*, *pink*; *Annabel Lee*, *a new double lilac with pale center*; *Bobby Stewart*, *delicate lilac*; *Moneymaker*, *pure white*; *Chas. Stent*, *large rose pink*, *etc.*

PLANT NOTES.

Canterbury Bells.

There is always a demand in the spring for something different than the flowers which the buyers have seen all through the winter and many growers have a call for some of the force perennials. *Canterbury bells* are grown for this purpose and if well grown find a ready sale. Seeds sown now and grown on in pots, being shifted into larger sizes as may be required, will bloom next spring and help furnish the grower with a variety of stock. They should be grown cool during the early winter, a violet house or one of a similar temperature being about right, and then brought into a warmer house with a temperature of 50° in late winter where they will produce fine blooms for early spring. By bringing a few at a time into the warmer house a succession of bloom may be had.

Dracaena Indivisa.

The seedlings of *Dracaena indivisa* should now be taken from the flats and potted in small pots and placed in a good moist location that they may make a good growth before the fall. A palm or fern house or one with similar temperature is the best for the small stock. The 4-inch stock that was not disposed of during the spring sales can be either plunged outside or planted in a frame, where they will not demand the close attention necessary in the greenhouse. If planted out they should be potted up early, at least by September 1, when the roots are active and will quickly obtain a foothold in the new soil. They should be heavily shaded for a few days after potting

or some loss of the plants may result. Any old plants that have outgrown their usefulness may be propagated, the stems cut up into small pieces and laid in a propagating bed with bottom heat where the eyes will open and young plants quickly form.

Ardisia Crenulata.

The seeds of *ardisia* may be sown at any time during spring and as it will take until another year to grow plants that will fruit it is not material at which particular time they are sown. The seeds are a little slow in germinating and it is better to sow them in the manner of sowing cyclamen, about half an inch apart. In early summer they should be potted in 2½-inch pots and are better grown in a frame than in the greenhouse. In the fall when brought into the houses they should be again potted in three or four inch pots and grown in a temperature of 50°. The plants are of a woody nature and grow slowly and should not be potted into too large pots, for it is far better to allow the roots to fill the pots before shifting. The following spring they will bloom, and should then be potted in 6-inch pots and given a cool location in the houses. After the fruit has formed and grown to good size the plants should be given a good sunny position that they may take on a bright color by Christmas. If the plants are grown too warm the foliage will be thin and lack the substance and lustre which makes them so much admired in the cooler grown plants, and the warmer grown stock gets chilled very easily, when the berries will drop off. The only insect which infects this plant is the brown scale, which, if not destroyed, will cover the plant stem completely. These should be carefully

moved and continually guard against. If there are any old plants that have dropped their lower leaves the top of these can be rooted in a similar manner to rooting rubbers, that is, by cutting into the stem and mousing the cut after the roots have appeared in the moss, the top cut off below the moss and potted.

Gloxinias.

The gloxinias that were started in late winter should now be beginning to flower. After the flower buds have set they can be placed in a little shadier location and the danger of burning the foliage be obviated to a great degree. The plants should be spaced far enough apart that they do not touch and a proper circulation of air procured around the plant. If the flowers are to be used in floral work they should be cut as soon as fully open and placed in water away from draughts and they will keep very well; these flowers are very fragile and should be handled carefully. If there are any particularly beautiful flowers that it is desired to propagate, the leaves can be rooted in the propagating bench by placing the base of the leaf in the sand to the depth of about an inch. The seedlings should be potted along for later blooming.

Cleaning Up.

The bedding season is over, the year's work is practically finished, the young stock for another year in preparation, and now is the time to clean house. Don't leave a lot of worthless stock scattered around the houses that takes a man's time to water, but what it is desired to save block all up together where it can be watered in a short time and above all things throw out anything that has passed its usefulness. How often have we seen plants that would never have been of any value left standing in the greenhouses until fall planting; neglected, yet taking more or less room, to be thrown out at last and the houses never thoroughly made ready for the coming crop. Get the plants that need care and attention all together and clean up the other houses. If the stock is grown in benches these will need repairing, and if badly decayed take them down and rebuild. Those that have cement benches are fortunate for they will only need repairs. Throw out all the old soil and clean up under the benches and in all the corners, and any old rotting boards or pieces of crocks throw them out, and thus get rid of the vermin that invariably infests greenhouses. After the benches are cleaned out, give them a good thick coat of whitewash in which sulphur was mixed when the lime was slacking. The advantage of this is too little appreciated by many growers, it costs but little and the prevention from fungus will often amount to a great deal. After the whitewash has died throw a few ashes or a mulch of some kind on the wooden benches to protect them from the hot rays of the sun. Give the inside of the house a good coat of white paint; this should be done at least every other year, for the difference in the amount of light in a clean white house and a dirty one during the dark short days is material, and the increased quality and quantity of stock will more than repay for the expense and labor. Any repairs that the heating system needs should be done at once and the boilers cleaned up ready for fall. Too often the boiler is

never thoroughly cleaned out after the last firing and ashes and clinkers left lying around in a moist condition, rusting the boilers. The steam boilers should either be emptied or filled, for if the water is left standing on the water line rust will form inside just above and rapidly eat into the iron. These are all necessary details to be looked after at the earliest possible moment.

Fancy Leaved Caladiums.

It will soon be found difficult to obtain the quality of flowers necessary to maintain a fine window display, so attractive plants will be required, and the show houses leading from the store or office will need something with bright color to attract attention. The fancy leaved caladiums are beautiful plants for this purpose, and should now be nice plants in four or five-inch pots. Nice plants can be grown in these sizes and they are easily arranged in a bed of green sheet moss and are very attractive. For the young stock now coming on a very light house is an absolute necessity to obtain the highly colored leaves, and almost a full exposure to the rays of the sun. While the plants delight in a moist atmosphere, this must not be obtained by heavy shading, but by frequent syringing and damping down the walks and under the benches. The temperature should be kept warm and close, never dropping below 60 degrees at night, even if a little fire heat is required. They will require copious watering to keep the beautiful leaves in good condition, and considerable feeding to

THE ROSE.

Planting.

As a matter of fact, most all of the planting among the small growers is accomplished during the month of June. As one with only a few houses devoted to roses must necessarily carry them along as late as possible before clearing out the houses, whereas the large wholesaler, with an immense amount of glass and with orders to fill requiring a great quantity, must begin planting as early as March, planting one house after another to this, that and the other variety, so as to be prepared to meet any emergency that may happen through the open market demands. We will assume that the soil is in readiness to bring into the houses, properly mixed and broken up finely and protected from the rain, for soil should never be placed in the houses in a soaked condition. If so, it should be thoroughly dried out before handling or packing in the houses.

Now for the houses. See to it that all the benches or beds are carefully repaired, proper drainage made in the solid beds or benches; this is of vital importance. The bench boards should be laid crosswise the tables and 6-inch pecky cypress should be used, spaced $\frac{3}{4}$ of an inch apart. This we consider ideal lumber for benches, and is next to concrete as to durability and much more practical for the small grower at the start, perhaps; yet, if one can possibly afford everything first-class, it is certainly money saved in the long run. The solid beds should by all means be



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.

Exhibits of Gloxinias by J. Peed & Sons, Norwood, London, Eng., and Amaryllis by R. P. Ker & Son, Liverpool, Eng.

bring the high colors and large, full leaves. Should flower buds form they should be immediately removed, for they will check the growth of the leaves.

LAKE GENEVA, WIS.—The new horticultural hall of the Lake Geneva Gardeners' and Foremen's Association is now completed and is said to be a very attractive building well suited to the requirements. The first event in the new structure will be a peony show to be held June 15.

carefully drained, especially at this time, when the sub-soil is inclined to hold water the year around. Broken stone is to be preferred for drainage in the borders, or coarse gravel. Clinkers can be used successfully, but we should strongly advise against the use of ashes.

Clean up the houses and give the benches a good washing with the hose. Also a good coat of whitewash. When slacking the lime, add a little carbolic acid and sulphur. This makes an ex-

cellent wash for the sterilizing qualities it possesses. Clean out the trash and loose dirt rubbish of any kind from under the benches and start right. We have found straw about the best thing to place on the benches to prevent the soil from sifting through and very little of it will go a long way. For grafted stock we prefer about 5 inches of soil. After it is packed firmly over roots, plants will perhaps do better in from 4 to 4½ inches, excepting American Beauty roses, which will require a full 5 inches.

A good plan is to fill the beds generously and tramp the soil down by walking on it after it is spread evenly. All roses like a firm soil to work in. Four rows to a 4-foot table is advisable when planting anything but Beauties; they should have a 4 to 6 feet table for the four rows. Of course the tables containing three rows can be used, allowing for the same spacing, but it is not practical for many reasons to plant five rows to a bed on table as the center row will be more or less neglected and consequently crowded out. We prefer planting the grafted stocks about 15 inches apart in the row and own root plants can go an inch or so less. Avoid overcrowding; at the same time plants of the Killarney type do not require any more room at any time than the measurement above. Again, American Beauty will require a little more room, at least 16 inches apart in the rows—18 inches would not be too much. All the planting should be done with a trowel, first marking off the beds carefully. A piece of old sash bar or something similar, with nails driven through it for markers and a nail at the outside to act as a guide, will lay off as many rows as desired at one operation with a man on each side of the table.

Give the plants a good soaking before knocking them out of pots; plant all grafts with the splice low enough to be entirely covered with soil when the beds are at their normal level. Be sure to pack each plant firmly, using a tamping stick (a short piece of 2x3 scantling, with a handle shaped at one end and sawed squared at the other, will do the work nicely). By the way, put these useful little tools away when planting is finished; you will need them again.

Some growers prefer leaving the beds level and watering the whole table from the start. We must admit a weakness for leaving a bowl-shaped depression around each plant for individual water for the first three weeks or until the newly formed roots begin to work out into the soil quite freely.

One object in this method is that the soil between the plants is kept fresher for a longer period. That is something gained. Again, it is a good plan to be able to give a plant just the amount of water we may think they require, according to its size, condition, etc., which can be done successfully by using the depressions. When planting the grafted stock be sure to examine the splice of each plant and see that it adheres firmly. A plant partly broken away at the splice or showing decay will rarely amount to anything. The grafted plants if staked in the pots should be planted stakes and all, except the raffia, which should be removed, and these small pot stakes should be replaced by the permanent stakes as soon as possible after planting; in fact, the quicker the plants are staked and given a tie the better. If there is any

trash or litter of any kind made through the process of planting, give the house another cleaning and keep it clean. There should be nothing in a rose house but what belongs there. Water carefully and spray early and again at noon. Until the plants begin to establish themselves avoid draughts, as a humid atmosphere is what they will require for at least a few days.

It may be advisable to state that an extra amount of help should be procured in order to push the planting along rapidly. Do not let the work

CHRYSANTHEMUMS

Planting Mid-Season Varieties.

The major part of chrysanthemums are planted the present month. These in the general florists' business have so much space devoted to bedding stock that bench space is unavailable until the present time. As stated in a previous article, those required for early bloom should have been benched last month and if this work has not been attended to it should be completed



A WELL GROWN CALADIUM.

drag. Nothing injures a young plant quicker than to have it knocked out of a pot with the roots exposed to the sun for any length of time, and never plant one dry at the root. Avoid shading of any kind on the rose houses. Keep the walks sprayed and the soil under the benches dampened, especially on hot, windy days, when the air is being reduced. We will undertake in another article to give further directions for the culture of the young stock, also other reasonable suggestions. E.

Buy One Anyway.

"Buy a flower for your wife, sir."
 "Haven't one."
 "For your sweetheart."
 "Haven't one."
 "For your best girl, then."
 "Haven't one."
 "Since you're so lucky, then at least buy one for yourself."—Fliegende Blaetter.

Croesus' Flowers.

"Are you girls going to have a daisy chain at your commencement exercises?"

"I should say not. There are none but rich girls at our school. We are going to have an orchid chain."—Washington Herald.

without delay, otherwise it will be best to devote the space to the midseason kinds and secure the needed flowers from other sources. The midseason varieties are those which are in perfection from October 25 to November 10. In scanning the list of commercial sorts we find Timothy Eaton, W. H. Chadwick, Chadwick Improved (the pure white form). Mrs. Jerome Jones and White Helen Frick are the most popular of the whites. It is true all of these may be had later by planting in July, but if benched by June 15 should in a favorable season be fully developed by November 10. Chas. Razer planted now should be in perfection October 25. Mrs. H. Robinson and Mrs. H. W. Buckbee under like conditions should be ready to cut at the same date. These two varieties are not planted in the north in very large quantity but are both deservedly popular in the south with those who plant out of doors to supply the heavy demand for All Saints' day (November 1.) Lynnwood Hall usually comes with us about November 15 and while an excellent white we think it should be included in the late flowering section.

In yellows we have Col. D. Appleton, still one of the best if it can be planted soon and given fairly liberal space not less than 9 inches apart each way. Some complain of its stems becoming weak near the blooms as they near

completion. This defect has not been apparent with us. Golden Eagle, Golden Chadwick, Major Bonnaffon, Golden Wedding, Yellow Eaton are among the best of this color. We are very partial to Mrs. W. E. Kelley on account of its intense color and high percentage of marketable blooms produced. Last year, for want of space, we could not plant this variety until July, but the results were very gratifying, giving us 95 per cent of perfect blooms, most of which were 6 inches in diameter on 3-foot stems. Roman Gold, one of the new ones of last year, seems to be very popular; it is of the brightest yellow with fine upright stem. There is so much red infused into this variety that from very late buds it is penciled with red, giving it a bronzy effect.

With the vast number of varieties disseminated the past 25 years it is surprising how few really good pink ones have materialized. Dr. Enguehard may be had the first week of November by selecting early buds, but such usually fade badly, having a washed-out look and are offensive rather than pleasing. Much has been written upon the instability of the pink varieties. And again we wish to repeat the importance of selecting the late or terminal buds to secure bright clear color tones. We never take buds of Dr. Enguehard before September 5 to 10 and by giving air at all times a bright rosy pink color is assured, which is more important than size when considering selling qualities, at least this is the case in most markets. Other good mid-season pinks are Mayor Weaver, Patty and Helen Frick. The last two mentioned are naturally late, but may be had by November 10 if planted soon. Winter Cheer is another pink which is in a class by itself owing to its peculiar color—a bright cerise pink. This variety, which originated on the other side, and is said to be a sport from Mme. Felix Perrin, once so popular among American growers. Some object to the color, but when used with white or alone is very brilliant and attractive. It will not blend or harmonize with any other pink variety we know of. This variety deserves a thorough trial by the southern growers who experience so much trouble in securing kinds which will produce blooms of a decided pink, owing to the excessive heat during their development. Although Pres. Roosevelt cannot be called pink it has a decided pink cast at the center. It is very short jointed and should be planted within the next 10 days to secure good length of stem and as the wood is very hard it is unwise to cut them to the ground; better plant early so as to have a stem to spare, as they will keep better when cut in the softer wood. It is of a high rounded incurved form, maturing November 10 to 20.

While bronze varieties are generally in fair demand they are not planted largely, but as a rule are scarce before Thanksgiving. Mrs. O. H. Kahn, usually known as an exhibition sort, responds nicely when treated as a commercial. The color is a bright golden bronze from late buds which show less of the dull side or reverse of petals. It should be planted where it is subjected to little or no draft, as it is inclined to mildew. There is little else to choose from in this color unless it is some of the bronzy sports from Mrs. Jerome Jones. The first of these sent out was Henry Nanze 1897, which was soon followed by Pres. Graham and

again a few years later by Chautauqua Gold, all of which are synonymous, in fact, a large proportion of those sent these days offered as Yellow Mrs. Jones are not pure yellow but show the bronzy shades.

Dick Witterstaetter and L'Africane are the best midseason commercial reds. Geo. W. Childs is a good red for late October, but is not grown largely, hence cannot be procured in any quantity. ELMER D. SMITH.

Hardy Cypripediums.

The name orchid has become one to conjure with of late years, but it is surprising how many people who are familiar with the ladies' slippers as they grow wild, are unaware that they are of the royal family, and one at least of our wild flowers cannot be excelled for beauty by any other from the tropics, and a few remarks on their culture may be of interest for the



The Late Chas. A. Juengel.

reason that they are regarded as difficult subjects usually.

Two eminent men in the horticultural world were here the other day, one, the best known amateur, and the other equally noted as an editor, and we were looking at cypripediums growing in the ravines, and the statement was made that a success had never been made of the culture of *C. spectabile*, the taming of it rather. The writer did not disagree, it was a day to absorb information, but it is unfortunately true that we rarely see it last long in cultivation but it can be kept with no difficulty if given a suitable situation, we have had it for ten years among rhododendrons in a cool moist soil and shade, but when the beds were removed the roots were lost but *C. pubescens* was found as it starts to grow earlier in the year and we saved it. Today from northern Michigan we received some fine clumps of *C. spectabile* where it grows in quantities, these were pulled up out of mossy wet ground, but in our vicinity it is found about half way up the sides of shady ravines with a little humus over the worst kind of clay soil as a medium to grow in, so it seems that given moisture and shade, any but a sandy soil will be

suitable, but shade is so essential that even wild plants often get scorched if exposed to the sun in early summer.

Cypripedium pubescens, which we illustrate, grows much more plentiful on these clay banks than *C. spectabile*. We have never found it in the woods on level ground or down deep in the ravines; always about half way up the slopes, and here in cultivation it is seeding so freely that it is difficult to step without walking on the young seedlings, and there is no trouble in getting collected plants to grow freely if dug late in the fall, running a spade under them to get all the roots and when planting dig a flat hole, place the roots out flat as they grew, then put on a spadeful of the siftings from the burnt rubbish pile and replace the sod as it was before. With this treatment we get them to bloom the next spring and the growth is strong and of a dark green color. This treatment will suit *C. parviflorum* too, but it should be planted up about on a level with the eye as it is a small flowered species, very fragrant, but should not have bare ground about it as it is liable to get swamped with soil after a heavy rain. It is very suitable for a shady corner among ferns or among stones as in a rock garden. It grows wild with *C. spectabile* and is often sent mixed with it, but the shoots are very small and are usually in clusters.

As to *C. acule* and its culture, the writer has no knowledge of any one who has succeeded with it after flowering it once. It is the easiest to procure of any as its distribution is so widespread and it occurs in great quantity, but there is no hardy plant, native or exotic, that has proved as intractable as *C. acule* under cultivation.

Of the above four species there are two of real value to the florist. *C. spectabile* comes first, as it flowers in June with pure white flowers, tinted with bright pink, lasting at least two weeks in bloom. *C. pubescens* is yellow and not as valuable as to color. It flowers earlier in May, but roots of these orchids are as easy to force as lily of the valley and if good crowns are obtained may be easily had in bloom for Easter. They are sometimes seen at the spring exhibitions and are a feature when grown several together in pans.

We are told that the several new hardy kinds, brought home through the efforts of Mr. Wilson from China, are found there in great numbers and these, when obtainable, should be hardy here in our gardens, but it will be always hard to get them owing to the distance they have to be carried to the point of shipment.

E. O. ORPET.

Vanilla at the Missouri Botanical Garden.

The vanilla is the only genus belonging to the orchidaceæ that affords an economic product. When a person speaks of orchids, one's mind, of course, turns to the showy commercial varieties, such as the cattleyas, forgetting that orchids produce something more than infallible flowers; and that is the vanilla extract which is used in every house for flavoring purposes. There are upwards of 20 species described, but the one used for commerce is *V. planifolia*, which is a native of South America. It assumes a climbing habit and is

found growing up trunks and branches of trees. In the wet season it is a rank grower, but when the dry season commences, the growth is very shy, its main object being to produce its umbels of light colored flowers, which are pollinated by insects.

A phenomenal plant of this economic orchid can be seen at the Missouri Botanical Garden, St. Louis. It was originally planted in a specially prepared bed in the bromeliad house; it soon established itself and assumed its epiphytic habit, the environments evidently being to its liking, viz.: heat and moisture. The plant first showed signs of flower in April, 1909 (that is, to any great extent), and produced them continually for three months, there being a total of 800 flowers; 400 of these were pollinated by hand, after which the long green pods formed; these take about two months to grow and at least eight months to ripen. The largest bunch contained 20 beans, the maximum length of an individual bean being exactly nine inches. The illustration shows eight bundles of *Vanilla planifolia*, each bundle containing 40 beans. The triangular bean at the top is *V. pompona*.

WHEN GROWN COMMERCIALY,

The vanilla is grown very extensively in the Seychelles islands; the export is valued at \$300,000 annually. (See U. S. Dept. of Agriculture, Division of Botany, Bulletin 21, by S. J. Galbraith.) The plants are grown under small trees, where the average rainfall is 100 inches, distributed evenly during 10 months of the year, the remaining two months being perfectly dry, thus checking the growth and causing the plants to flower. The flowers have to be pollinated by hand, owing to the absence of pollinating insects this tedious operation has to be accomplished in the forenoon to secure success, owing to the flowers only remaining open for a few hours. After the beans have ripened, that is upwards of eight months from the time of fertilization, when a yellowish color at the base is perceptible, they are picked and cured by a sweating process, the method being: Immersing the beans in water at a temperature varying from 170° to 190° for about 10 seconds, repeating the operation three times, then they are wrapped in blankets, and placed in barrels to sweat for about 24 hours. The color will have changed from a greenish yellow to a dark chocolate. They are then placed in a series of drying rooms varying in temperature from 110° down to that of the outside temperature. They are then packed in tin boxes and ready for export.

G. H. PRING.

Coelogyne Mooreana.

As new orchids become more and more rare, a really promising novelty for the trade becomes of increasing interest, as in the case of this new *coelogyne*; it is as easy of culture as *C. cristata* and blooms in December and January; its flowers are carried on erected stems, are white with yellow crest garnished with ciliated appendices, like *cristata*, but they open better and are more effective, as well as last longer, having greater substance. A spray carries six to eight flowers.—*Revue Horticole*.

OBITUARY.

Jerome Bonaparte Rice.

On Saturday, June 8, 1912, Jerome Bonaparte Rice passed quietly to his rest. Mr. Rice was born in the town of Salem, N. Y., July 19, 1841, and received his education in the district schools and at the Albany Business College, from which he was graduated at the age of 19. When the civil war broke out he was working on his father's farm in the town of Jackson, Washington county. He enlisted from White Creek, N. Y., Aug. 8, 1862, as a private, and was mustered into the service at Salem, N. Y., Sept. 4, 1862, as first sergeant of Co. G, 123d regiment, New York volunteer infantry, to serve for a term of three years. On May 21, 1863, he was promoted to second lieutenant. He was taken prisoner at the battle of Chancellorville, Va., May 3d, 1863, and was confined

of the Electric City Bank at Niagara Falls, N. Y.

During the war Mr. Rice incurred from exposure a severe case of rheumatism, which increased as years went by, and for months at a time he was unable to attend to business. The disease continued in spite of all medical skill and for years he was wheeled about in a chair. This condition renders his great business achievements all the more remarkable, and yet his mental energy has never flagged, but indeed has developed as the demand upon it increased, so that he continually performed an amount of work that few physically sound men would be equal to. Both socially and in a business way Mr. Rice was a genial, courteous gentleman, and was universally liked. A caller or a guest soon forgot his physical infirmities because of his personal magnetism, his mental vigor and hospitable manner.

Mr. Rice is survived by his wife, Laura Chandler Rice, whom he married on July 19, 1877; three daughters,



JEROME B. RICE, OF CAMBRIDGE, N. Y., AND PARTY, AT CHICAGO, MAY 4, 1912

in Libbey prison and Belle Isle prison. He was subsequently exchanged. On Aug. 1, 1864, he was transferred to the signal corps, and did duty in the department of the Cumberland under Gen. Thomas until the close of the war. He was honorably discharged and mustered out at Albany, N. Y., June 27, 1865. After receiving his discharge he returned home and worked on the seed farm of his father. In 1866 he bought out his father's interest in the seed business and continued on the farm for two years. During this time and for a few years afterwards he was his own sole salesman, traveling with a horse and wagon from town to town. In 1868 he moved his business to Cambridge, occupying the second story of the old steam mill building on Main street, where he conducted business successfully for eleven years. In 1879 Mr. Rice completed his present large warehouse and moved his business into new quarters. In 1895 a fine office building was erected, where twenty-five bookkeepers and stenographers are employed, over thirty salesmen and representatives are throughout the country, and seeds from this establishment are sold in every state in the Union. The company has a branch house at Detroit, Mich., and at Wellington, Ontario. In 1898 he was the unanimous choice of the American Seed Trade Association for its president. He was president and organizer

Mrs. Frederick Wallace, Mrs. Evelyn Rice Lovejoy, Miss Marguerite Hodges Rice, and one son, Jerome B. Rice, Jr., and one granddaughter, Betsy Rice Lovejoy. He was a member of Cambridge Valley Lodge, No. 431, F. & A. M.; also of John McKie Post, No. 309, G. A. R.

Charles A. Juengel.

Charles A. Juengel, 57 years old, who was president of the St. Louis Florists' Club during the St. Louis World's Fair, died in his home, 1847 South Fourteenth street, where he had resided 47 years, June 10. Mr. Juengel was born in St. Louis in 1854. At the age of 10, with his parents, he moved to the residence on South Fourteenth street. Soon afterward he entered a partnership with his father, after whose death twenty years ago he conducted the business alone and enlarged the greenhouses, which now extend from 1837 to 1847 South Fourteenth street. He was a pioneer member of the Society of American Florists, member of the Societer Saengerchor, South St. Louis Turner Society and Trinity Evangelical Lutheran Church. In 1879 he was married to Justina Seng. His widow and five children—Dr. Arthur H., Charles W., Edwin H., Isabella and Selma Juengel—all of St. Louis, survive. For three months he had suffered from a tumor, which caused his death.

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THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 60 PAGES WITH COVER

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FROST is reported from Boston June 8 and at Chicago on the same date.

IRA HOLT, a landscape engineer of Buffalo, sacrificed his life to save that of a woman companion on the St. Maurice River in Quebec. The couple were canoeing when the craft overturned. When Holt saw that the canoe would not support them both he let go his hold and sank.—New York Commercial.

"MAC" says New England was never so like the Emerald Isle as it is today, so bloomin' verdant. It has been believed that P. Welch and other Celts of that region could and probably would influence the natives by their congenial suavity but heretofore we have not felt that they would attempt to ameliorate the climate.

Lochaber No More.

The increasing use of artificial flowers, in preference to high priced natural stock from storage, otherwise known as "pickled" or "salted" stock, will surely put the "For Sale" sign on many greenhouses, as one of our correspondents remarks in a recent issue.

Chicago Convention Arrangements.

The committee on arrangements for the coming convention of the Society of American Florists, to be held at the Coliseum, August 20-23, are quite active and very satisfactory progress is being made by all of them. Many high-grade entertainment features are under investigation.

Letters are already pouring into the local concerns from all sections of the country asking about plans and accommodations, most of these inquiries coming from the south and west and showing widespread interest in the approaching meeting.

Chairman Asmus of the souvenir album committee promises the most artistic and valuable souvenir ever issued and says advertisers should get their copy in early to insure good location.

Chairman Winterson of the sports committee reports arrangements for the bowling, baseball and shooting well in hand, with many valuable prizes promised.

Chairman Rudd of the badge and ticket committee has plans for handling the great crowd expected well advanced.

PRESS AND ADVERTISING COMMITTEE.

MICHAEL BARKER, Chairman.

Division of Profits.

ED. AMERICAN FLORIST:—

One party furnishes the land, greenhouse and live stock and the other party furnishes the labor, expenses for plants, tools, etc., to be paid for by the business. How should the profits of such a business be divided?

Alabama.

J. H. D.

To answer the above query intelligently is rather a conundrum with such meagre information as given above. It would appear on the face of such an arrangement that the owner is first entitled to deduct a fair interest on the actual value of the greenhouses and the land occupied for the use of the business proper, and if the live stock mentioned above means animals used exclusively in conducting the business, their actual value should be included when computing interest charges. On the other hand, if said animals are only used a part of their time, such time should be charged at a fair rate to the working expenses only and not included in the interest account. The plants, tools, etc., are a permanent part of the business and as such should be considered only as a part of it as long as they are used.

If the party managing the business is a successful grower and produces the goods which are to make the business profitable, he certainly should be entitled to a fair compensation for the same, presuming that he receives a fair regular wage for his weekly or monthly labor, then at the yearly accounting a percentage of the profits (after the owner has deducted his interest on the values as given above) should be paid to him as his interest in the success of the business. What proportion that share should be is very hard to determine at the present time

without knowing more details of present arrangements.

In several somewhat similar cases where the man in charge has made a fair success, we have known of owners giving them from fifteen to twenty-five per centum, of the receipts, but there is no general rule that we have ever heard of governing such arrangements, but it seems fair to award the amount according to the rate of success the party in charge can make the balance sheet show at the end of the year. Certainly a man making a first-class success and producing a good profit at the end of the year is deserving of a better share of the same than one who can only produce a small profit for the owner.

As an inducement for a man to try his best to get all there is out of the product of a place an arrangement at the starting of the year could be made by which he should get a pro rata share of the profits according to his success, ranging from fifteen to forty per centum, more or less, as the parties interested may mutually agree upon. Such arrangement should be drawn up in a regular agreement form and a copy for each party duly signed by both and witnessed by some disinterested party. This would save any dispute at the end of the year. A scale somewhat as follows may offer some suggestion in fixing the rates:
For net profit of \$100, 10% to manager;
For net profit of \$250, 15% to manager;
For net profit of \$400, 20% to manager;
For net profit of \$550, 25% to manager;
For net profit of \$700, 30% to manager;
and so on up to any amount it may be desired to name. JOHN N. MAX.

My best answer to your question would be as follows: The first party, furnishing the land, greenhouse and live stock, should be allowed reasonable interest on his money, or rent of the greenhouse, which might be 10% on a greenhouse investment. The other party should be allowed interest on the amount of money he advances to pay the expenses, up to the time business will carry its own expense. I presume from the question that the second party is paid for his labor and superintendence. If not he would be entitled, out of the income, to reasonable pay for such time as he devotes to the greenhouse work and overseeing. After that the profits should be equally divided.

If the investment in the greenhouse was about \$10,000 and the man in charge should be paid about \$1,000, then the partnership would be a reasonable one to divide as gross profits, without figuring any interest for the owner, or any salary for superintendent. W. H. ELLIOTT.

"J. H. D." does not state what the investment is to be, or what kind of business is to be done. This may make a great difference in the amount spent for labor.

If the first party's investment is \$10,000 and the second party's labor worth \$1,000 annually, I should think an equal division of profits would be all right, the business, of course, paying for all additional labor as well as other expenses. I have figured on 10 per cent for the first party's investment, as he is taking more risk in case of failure, etc. The second party can get out whole at any time; the first party cannot. I think the business should keep the houses in repair and put money aside for a sinking fund with which to rebuild, renew live stock, etc., so that the \$10,000 investment may be kept intact.

JOHN BURTON.

Meetings Next Week.

Boston, Mass., June 18.—Gardeners' and Florists' Club of Boston, Horticultural hall.
 Detroit, Mich., June 17, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
 Grand Rapids, Mich., June 17.—Grand Rapids Florists' and Gardeners' Club, office of member.
 Montreal, Que., June 17, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardias building, 224 Sherbrook street west.
 New Orleans, La., June 20, 8 p. m.—New Orleans Horticultural Society, Kolb's hall, 127 St. Charles avenue.
 Newport, R. I., June 19.—Newport Horticultural Society.
 Providence, R. I., June 17, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.
 Salt Lake City, Utah, June 18.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
 Scranton, Pa., June 21, 7:30 p. m.—Scranton Florists' Club, Guernsey building.
 Seattle, Wash., June 18.—Seattle Florists' Association, Chamber of Commerce, Second and Columbia streets.
 Toronto, Ont., June 18, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word. Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As foreman, by expert carnation grower; German; married; age 29; good worker; can come well recommended. Address? Key 642, care American Florist.

Situation Wanted—General greenhouse man and chrysanthemum grower, middle aged, single, wants position in commercial place. Best of references. Address? Key 635, care American Florist.

Situation Wanted—By carnation grower; specialist; middle-aged, single; guarantees to grow very best stock; wholesale or retail place, east or south-east, preferred. Address? Key 648, care American Florist.

Situation Wanted—By a young married man eight years' experience in general greenhouse work, wishes a position in a retail flower store; references. Address? Key 643, care American Florist.

Situation Wanted As gardener; 19 years experience growing roses, 'mums' carnations, pot and bedding plants. (Greenhouse or outside work; single man, 29 years old, on private place, steady position. Address? Key 634, care American Florist.

Situation Wanted—As florist and gardener; can take full charge of greenhouses and gardens. Good practical experience in England and America. Have excellent references. Abstainer. Have position, but desirous of improving upon same. Address? Key 645, care American Florist.

Help Wanted—Good plant grower that understands growing and watering; steady work. SCHOENHUT, 352 William St., Buffalo, N. Y.

Help Wanted—First-class salesman and designers for our retail stores. Apply to HERMAN BERSHAD, care Loeser's, Fulton St., Brooklyn.

Help Wanted A good carnation grower with money to invest in an established florist business, must be hustler and capable of looking after men. Address? Key 647, care American Florist.

Help Wanted—A man for general greenhouse work. Carnations, roses and cut flowers for retail trade. State wages and experience. Must be a grower. Address? HUGH SEALES, Birmingham, Ala.

Help Wanted—Several quick potters, also man to take charge of palms and decorative stock. State wages expected in first letter. Address? VAUGHAN'S GREENHOUSES, Western Springs, Ill.

Help Wanted—Handy man, one who can do such work as steam fitting and be useful with carpenter tools, or such work that has to be done about a greenhouse; position permanent; wages \$15.00 per week. Address? D. G. GRILLBORTZER, Alexandria, Va.

Help Wanted—Good all-round grower; must be good on carnations, 'mums and general bedding plants; strictly sober; steady position for right man; married man preferred. CALVARY CEMETERY GREENHOUSE, 606 Oakton St., Evanston, Ill.

Help Wanted—In British Columbia, an all-round grower of carnations, 'mums and a general line of pot and bedding plants; a steady position to the right man; must be sober and industrious and understand the business. Address? Key 649, care American Florist.

For Sale—My well established retail store. THEO. MILLER, 4832 Delmar Ave., St. Louis, Mo.

For Sale—About 10,000 feet of glass. No competition, can sell all you can grow. A rare opportunity—investigate. FLORIST, Dwight, Ill.

For Sale—Special Bargain! Most profitable business in Nebraska. Wire! Write! HIGGINBOTHAM & PICKENS, Hastings, Neb.

For Sale—Cheap; store fixtures, wall cases and a National cash register. A bargain for some one. Answer now. Key 632, care American Florist.

For Sale—At once, good florist place, newly built; good business; busy town; cheap if sold at once; middle Ohio. Address? Key 630, care American Florist.

For Sale—Eight acres good land on rock boulevard, five and one-half miles from heart of Kansas City. Good greenhouse and well established business. Splendid opening. For particulars write A. PEACHEY, Merriam, Kas.

For Sale—"Improved Capito' Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80' in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

For Sale—Seven large commercial greenhouses on three acres of land; eleven-room house and small house for help; three wagons, two horses. Good paying proposition; near New York City. Owner wants to sell on account of health. Apply CHAS. MILLANG, 55 W. 26th St., New York City.

For Sale—A good retail florist business; 25,000 sq. ft. glass; 7-room modern residence; 30 acres of good ground; all in city limits; good town; this place will stand close investigation; books to show; \$3,000 cash required, balance on time; \$12,500 for place; can make price of place in several years; to any one wanting a good business will be pleased to give full particulars by return mail. Address? Key 641, care American Florist.

For Rent or Sale—About 6,000 feet double strength glass; hot water heated; built for my florist daughter; got married; florists here; county seat, near Denver; rent twenty dollars per month. Will sell houses, tools, stock, all for seventy monthly payments of thirty dollars each. I mean business. Address? CULP WATCHMAKER, Owner, Box 116, Littleton, Colorado.

Wanted—A florist in an eastern city, owing to other business, wishes to incorporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

Wanted—Will some one kindly send information as to the present address of George J. Leoffler, so we can correspond; or if you see this, George, please write. CHAS. A. LEOFFLER, care Geo. Yore, Jr., Deerfield, Ill.

FOR SALE
 House and lot at 4100 Ellis Avenue, Chicago. Alleys on both sides. Lot in rear large enough for three greenhouses. Owner lives on premises. Address? Key 644, care American Florist.

Greenhouse Glass
 We bought too much and offer
100 Boxes D. S. A. 18 x 24
 Best Glass Made at \$2.80 per box. Delivered at Depot. Cash with the Order.
F. Walker & Co., LOUISVILLE, KENTUCKY.

Situation Wanted.
 An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address? Key 615, care American Florist.

Seedsman Wanted
 Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party. Address? Key 628, care American Florist.

Help Wanted.
 A German manufacturer, who makes special heating plants and boilers for greenhouses, desires to secure the services of a capable representative in America (an experienced florist preferred) to start immediately. Apply in writing to Key 610, care American Florist.

FOR SALE-A BARGAIN
 On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25x100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms. Additional land can be secured if desired. Mosbaek Greenhouse Co., Onarga, Ill.

For Sale--At Once
 Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired) (one mile out on electric car line good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling. HENRY GAETHJE, 1607 Second Avenue, Rock Island, Ill.

FOR SALE OR RENT.
 Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

NOTICE OF CIVIL SERVICE EXAMINATION.
 Chicago, May 27th, 1912.
 The Civil Service Commission of the City of Chicago will hold an examination for superintendent of Parks on June 17th, 1912, in room 1006 City Hall, Chicago. The salary of this position is \$2500 per annum, and persons living outside of the city will be permitted to take the examination. Applications will be mailed on request sent to the Commission, room 610 City Hall, Chicago. R. A. WIDDOWSON, Sec. C. S. Com.

FOR SALE.
 4 Hot Water Boilers, horse-shoe type. 4 ft. by 12 ft., new 4-in. flues; used 4 years. Price: \$200.00 each on board cars.
 1 large Kroeschell Boiler. 5 ft. by 16 ft.: used 9 months; good as new. Price, \$300.00.
 12 Evans Challenge Ventilator Machines, complete, with post, \$10.00 each. Arms. 20c; Haogers, 10c; Ventilator Chains, 10c per foot.
 500 ft. 8-in. flat bottom Gutters. 12c per foot
 750 ft. U-shape Gutters. 14c per foot
 750 ft. Ridge. 3c per foot
 750 ft. Purlin. 2c per foot
 20 Panel Doors, with frame. \$1.75 each
 250 Ventilators, 2 ft. 10 in. by 3 ft. 6 in., complete, with glass and headers, \$1.00 each.
 Red Cedar Bars, cut to 10, 12 and 14 ft. lengths, at 1c per foot.
 All the above is salvage of 15 houses that were wrecked by cyclone last fall, and was all bought new four years ago. All mill material is of Washington red cedar, except purlins, which is of pine. Photos of boilers will be mailed on application.
GEORGE REINBERG,
 162 N. Wabash Ave., CHICAGO

Beauties, Carnations, Roses, Peonies

Fine Large Crops for JUNE WEDDINGS AND SCHOOL CLOSINGS

Buy Direct of the Grower.

We grow all the stock we sell and guarantee it strictly fresh.

We quote our selection of Medium and Short Stem Roses at \$15.00 per 1000 in lots of 500 or more. These are strictly fresh and well assorted for colors.

Price List

Subject to change without notice.

AMERICAN BEAUTIES		Per doz.	CARNATIONS		Per 100
Extra long	.....	\$3.00	Extra long fancy, O. P. BASSETT	.....	\$2.00
36-inch	.....	2.50	Extra long, fancy white	.....	2.00
24-inch	.....	2.00	Fancy pink	.....	2.00
18-inch	.....	1.50	FINE EASTER LILIES		
12-inch	.....	1.00	Per dozen	.....	1.00
Short	.....per 100,	\$4.00	Per 100	.....	6.00
KILLARNEY AND WHITE KILLARNEY, RICHMOND, MARYLAND, KAISERIN AND PERLES			LILY OF THE VALLEY	.....	\$3.00 to \$ 4.00
AARON WARD AND RHEA REIDS			SWEET PEAS	.....	1.00 to 2.00
Per 100			ASPARAGUS SPRAYS	.....	3.00 to 4.00
Extra long select	.....	\$8.00	SPRENGER	.....	2.00 to 3.00
Medium length	.....	4.00 to 6.00	ADIANTUM	.....	\$1.00 to \$ 1.50
Short	.....	2.00 to 3.00	GALAX—Bronze	.....per 1,000,	\$1.00
			NEW FERNS	.....per 1,000	2.00

PEONIES and all Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Mention the American Florist when writing

Chicago.

A DULL MARKET.

There is no great perceptible change in the market condition from that of last week except that trade is much quieter and the supply of stock is considerably larger. Peonies are arriving in exceptionally large quantities, with practically no demand, and fancy stock is being sacrificed at very low prices. Much stock is being placed in storage and one firm alone stored away two carloads, while it is said another firm placed away double that amount. Carnations are meeting the same fate as some of the peonies and are sold in large lots at a very low figure to the street men, who in turn dispose of them to the public at whatever price he thinks the purchaser is likely to pay. Good carnations are bringing fair prices, but the supply is limited. Roses are also in oversupply, but the better grades are bringing reasonable prices, especially My Maryland and Kaiserin Augusta Victoria. American Beauty roses are good property and no surplus to amount to anything is left when the day's sales are over. The same can be said of lily of the valley, but they are the only two items that are anywhere near short and clean up well. Orchids have had a little better call and the price has stiffened a trifle, but sweet peas, gladioli, daisies and other miscellaneous stock is having no call to amount to anything, although the quality is fine and deserving of immediate sale. Pond lilies are now received and can be seen displayed in the show windows. The bedding plant trade this season has been very good and some growers report having sold out all their geraniums and orders still coming in. Taken all in all, there is an oversupply of almost everything in cut

flowers and an exceedingly dull market. Up to the time of going to press there is still no apparent change in the market, but lilies of very fine quality are arriving in quantity, with the demand very light. Sweet peas are selling better and so are orchids, while American Beauty roses and lily of the valley continue to clean up well. Everybody is talking about the coming S. A. F. convention and the prospects are very bright for a large attendance.

NOTES.

The civil service commission of this city will hold an examination for superintendent of parks on June 17, 1912, in the city hall, room 1006. The salary of this position is \$2,500 per annum and persons living outside of the city will be permitted to take the examination. R. A. Widdowson, secretary of the civil service commission, will be pleased to mail applications to interested parties and all correspondence should be addressed to the commission, room 610, city hall.

The conservatory, 40x60 feet, and greenhouse, 60x200 feet, that the John C. Moninger Co. will build and erect for J. E. Tilt, the millionaire shoe man of this city, will be something out of the ordinary, and according to the plans shown us by Philip L. McKee, will be very expensive and nothing will be left undone to make these two of the finest houses that Moninger has ever built.

The George M. Garland Co. will have a large exhibit at the coming S. A. F. convention and will show a section of their wonderful movable greenhouse and their latest invention, not yet made public, in greenhouse construction. B. J. Maynard is back from

a western trip with such a large bunch of orders that the firm has decided to keep him here until the work is well under way.

Bassett & Washburn are rushing work at their new greenhouse plant and the grading is all completed. The railroad company is busy laying the switch and the well drillers are pretty well along with their work. Work on the boiler shed, 40x190 feet, will start soon and it is expected that some of the material for the new houses will be ready soon.

Fred Lautenschlager, northern state vice-president of the S. A. F., is doing a great deal of missionary work for his society by securing new members and the Captain says that he has only just begun. The members of the baseball nine have promised him their membership and it is understood that a few of the bowlers will follow suit.

W. H. Pontious informs us that the Superior Machine & Boiler Works has just received an order from Chas. Breiter, Touhy avenue, for a No. 3 Superior boiler. Mr. Pontious is attending to the clerical work this week during the illness of his firm's efficient young office lady.

Baseball practice next Sunday, June 16 at 1:15 p. m. sharp. Meet at the E. F. Winterson Co.'s store and be ready for good hard work. Several games have already been scheduled and as soon as the team gets a little more practice the season will be opened.

N. J. Wieter and John Sinner have given up their fishing trip and are now boosting the coming S. A. F. convention.

Mrs. A. Kindler and daughter Edna, of Raedlein Basket Co., are visiting friends at Salt Lake City, Utah.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

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## CURRENT PRICE LIST

Subject To Change  
Without Notice.

|                                                          | Per Doz.               | Per 100 |
|----------------------------------------------------------|------------------------|---------|
| <b>AMERICAN BEAUTIES.</b>                                |                        |         |
| Specials .....                                           | \$4.00                 |         |
| 36-inch .....                                            | 3.00                   |         |
| 30-inch .....                                            | 2.50                   |         |
| 24-inch .....                                            | 2.00                   |         |
| 20-inch .....                                            | 1.50                   |         |
| 15-inch .....                                            | 1.25                   |         |
| Short stem .....                                         | per 100 \$4.00 to 8.00 |         |
| <b>PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.</b> |                        |         |
|                                                          | Per 100                |         |
| Fancy .....                                              | \$8.00 to \$10.00      |         |
| Medium .....                                             | 6.00                   |         |
| Short .....                                              | 4.00                   |         |
| <b>MELODY, fancy long.</b>                               | \$5.00 to 10.00        |         |
| Medium .....                                             | 6.00                   |         |
| Short .....                                              | 4.00                   |         |
| <b>MRS. AARON WARD.</b>                                  |                        |         |
| Fancy Long .....                                         | \$8.00 to 10.00        |         |
| Medium .....                                             | 6.00                   |         |
| Short .....                                              | 4.00                   |         |
| <b>RICHMOND, select</b>                                  | 8.00                   |         |
| Fancy .....                                              | 6.00                   |         |
| Medium .....                                             | \$4.00 to 5.00         |         |
| Good Short .....                                         | 3.00                   |         |
| <b>KILLARNEY, select</b>                                 | 8.00                   |         |
| Fancy .....                                              | 6.00                   |         |
| Medium .....                                             | \$4.00 to 5.00         |         |
| Good Short .....                                         | 3.00                   |         |
| <b>WHITE KILLARNEY, select.</b>                          |                        | Per 100 |
| Fancy .....                                              |                        | \$ 8.00 |
| Medium .....                                             | \$4.00 to              | 6.00    |
| Good Short .....                                         |                        | 3.00    |
| <b>ROSES, extra special billed accordingly.</b>          |                        |         |
| <b>CARNATIONS, extra fancy pink.</b>                     |                        | 3.00    |
| " fancy .....                                            |                        | 2.00    |
| " common .....                                           |                        | 1.50    |
| <b>SHASTA DAISIES</b>                                    | \$2.00 to              | 3.00    |
| <b>ORCHIDS, Cattleyas, per doz.</b>                      | \$4.00 to              | 6.00    |
| <b>PEONIES</b>                                           | \$4.00 to              | 6.00    |
| <b>EASTER LILIES, per doz., \$1.50.</b>                  | \$8.00 to              | 10.00   |
| <b>SPANISH IRIS</b>                                      |                        | 4.00    |
| <b>VALLEY</b>                                            | \$3.00 to              | 4.00    |
| <b>MIGNONETTE, large spikes</b>                          | \$2.00 to              | 4.00    |
| <b>DAISIES</b>                                           | \$1.00 to              | 1.50    |
| <b>SWEET PEAS, fancy Butterfly.</b>                      |                        | 1.00    |
| <b>SWEET PEAS, common.</b>                               | \$0.60 to              | .75     |
| <b>ADIANTUM CROWEANUM</b>                                |                        | 1.00    |
| <b>SMILAX, extra long and heavy, per doz.</b>            |                        | 3.00    |
| <b>SPRENGERI, PLUMOSUS SPRAYS.</b>                       | \$3.00 to              | 4.00    |
| <b>PLUMOSUS STRINGS, extra long and heavy.</b>           | each                   | .60     |
| <b>PLUMOSUS, strong, long, medium.</b>                   | each                   | .45     |
| <b>FERNS</b>                                             | Per 1000               | 3.00    |
| <b>GALAX</b>                                             | Per 1000               | 1.25    |
| <b>LEUCOTHOE</b>                                         | Per 100                | .75     |

Good Short Stem Roses, \$20 per 1000; 500 at the same rate.

# SPECIAL

# ON CALL

Best Quality Blooms--\$10.

# ALSO SPECIAL

Select Richmond, Killarney, White K  
Long \$5.00 per 10

Write, Wire or Phone in Your Order

## American Beauties

|               | Per Dozen |               | Per Dozen |
|---------------|-----------|---------------|-----------|
| 60-inch stems | \$3.00    | 24-inch stems | \$1.25    |
| 48-inch stems | 2.50      | 20-inch stems | 1.00      |
| 36-inch stems | 2.00      | 15-inch stems | .75       |
| 30-inch stems | 1.50      | Short Stems   | .50       |

## Killarney

|                    | Per 100 |
|--------------------|---------|
| Extra special..... | \$7.00  |
| Selects.....       | 6.00    |
| Fancy.....         | 5.00    |
| Medium.....        | 4.00    |
| Good.....          | 3.00    |
| Short stems.....   | 2.00    |

## Richmond

|                     |    |
|---------------------|----|
| Extra specials..... | \$ |
| Selects.....        |    |
| Fancy.....          |    |
| Medium.....         |    |
| Good.....           |    |
| Short stems.....    |    |

## Jardine

|                           |    |
|---------------------------|----|
| Fancy, 24-inch stems..... | \$ |
| Good, 15 " ".....         |    |
| Short.....                |    |

# WIETOR

TELEPHONE, L. D.  
RANDOLPH 2081

162 North Wabas



# SALE

## NATIONS

per 1000--All Varieties.

## OFFER ON ROSES

My, Mrs. Jardine and My Maryland, medium, \$2.50 per 100.

soon as You See This Ad. DO IT NOW.

### White Killarney

|                     |         |
|---------------------|---------|
|                     | Per 100 |
| Extra specials..... | \$7.00  |
| Selects.....        | 6.00    |
| Fancy.....          | 5.00    |
| Medium.....         | 4.00    |
| Good.....           | 3.00    |
| Short stems.....    | 2.00    |

### My Maryland

|                             |        |
|-----------------------------|--------|
| Fancy.....                  | \$7.00 |
| Good.....                   | 6.00   |
| Short.....                  | 4.00   |
| Prices, our selection - - - | 3.00   |

### Carnations

|                       |                          |
|-----------------------|--------------------------|
|                       | Per 100                  |
| Extra special.....    | \$1.50                   |
| Fancy.....            | 1.25                     |
| Good.....             | 1.00                     |
| HARRISIL.....         | \$12.50 to 15.00         |
| NEW FERNS.....        | per 1000, \$2.00 to 2.50 |
| SMILAX.....           | per doz, 2.00 to 2.50    |
| ADIANTUM.....         | per 100, 1.00 to 1.50    |
| GALAX.....            | per 1000, 1.00           |
| SPRENGERI.....        | per bunch, .50           |
| ASPARAGUS SPRAYS..... | per bunch, .50           |

# BROTHERS,

venue, CHICAGO.

TELEPHONE LOCAL  
AUTOMATIC 49-929

# The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449  
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.  
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.  
G. C. WEILAND, Sec'y.

## GOOD SUPPLY OF Peonies

Extra select blooms of the choicest quality. We can supply these in any quantity in dozen, hundred and thousand lots. Special attention given to all orders. This is the place to buy.

### CURRENT PRICE LIST:

| Grade                               | A       | B       | C       | D       | E       | F      | G |
|-------------------------------------|---------|---------|---------|---------|---------|--------|---|
| Beauties.....per dozen              | \$ 4.00 | \$ 3.00 | \$ 2.00 | \$ 1.50 | \$ 1.00 |        |   |
| Killarneys.....per 100              | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | \$2.00 |   |
| White Killarneys.....               | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Richmonds.....                      | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| My Maryland.....                    | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Perle.....                          | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Maids.....                          | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Brides.....                         | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Carnations.....                     | 3.00    | 2.00    | 1.50    | 1.00    |         |        |   |
| Easter Lilies.....                  | 10.00   | 8.00    |         |         |         |        |   |
| Orchids, Cattleyas.....             | 40.00   | 35.00   | 25.00   |         |         |        |   |
| Lily of the Valley.....             | 4.00    | 3.00    |         |         |         |        |   |
| Sweet Peas.....                     | 1.50    | 1.00    | .75     | .50     |         |        |   |
| Peonies.....                        | 5.00    | 4.00    | 3.00    |         |         |        |   |
| Daisies.....                        | 1.00    | .75     | 4.00    |         |         |        |   |
| Asparagus Plumosus Sprays..         | 4.00    | 3.00    |         |         |         |        |   |
| Asparagus Sprengeri Sprays..        | 4.00    | 3.00    | 2.00    |         |         |        |   |
| Mexican Ivy.....                    | .75     |         |         |         |         |        |   |
| Smilax.....                         | 25.00   |         |         |         |         |        |   |
| Adiantums.....                      | 1.00    | .75     |         |         |         |        |   |
| Galax, Green or Bronze.....per 1000 | 1.00    |         |         |         |         |        |   |
| Ferns.....                          | 2.00    | 1.50    |         |         |         |        |   |

All bowlers who would like to qualify for the team that will represent this city at the next S. A. F. convention are cordially invited to participate in the preliminaries which will open at Bensingers East Randolph alleys next Tuesday, June 18. Further particulars can be obtained from Ernest Farley, 160 North Wabash avenue.

The Chicago Flower Growers' Association is going to install a cold storage plant in their basement, 20x60 feet, and Manager J. F. Kidwell is now busy getting figures and plans for same. Work will be started as soon as possible and it is expected that everything will be well under way inside of another month.

The roof garden at the Hotel La Salle was opened last Saturday evening, June 8, and was artistically decorated with bay trees, plants and large oaks. L. Koropp looked after the plant and bay tree arrangement and Geo. H. Pieser arranged the table decorations, using pink carnations nearly exclusively.

A. L. Vaughan is entertaining his cousin, Dr. J. B. Vaughan of Collings-ton, La., this week and it is needless to say that the genial wholesaler is some entertainer, as a good many florists, both local and out of town, will agree, especially those who had occasion to partake of his generous hospitality.

Wietor Bros. report a very good demand for American Beauty roses and the quality of the stock they are cutting now is very good for this time of the year. Killarney, White Killarney and My Maryland roses are moving well but the supply of carnations is unusually large and greater than the demand.

The Chicago Corollation Co. is placing two carloads of peonies in storage this week, mostly Richardson's Rubra Su-

perba. A. T. Pyfer is hard at work at bowling practice and says he expects to carry off the individual honors at the S. A. F. convention. Go to it, but look out for Peter Olsem.

The handsome silver cup that Zech & Mann have donated to the bowling league as a prize to the individual champion is now in the hands of Allie Zech, chairman of the league, and is on exhibition at the store. It is certainly a beauty and one of the most costly cups ever offered.

John Kruchten is receiving some fine Mexican ivy and other greens, also a good grade of everything seasonable in cut flowers. The gardenia crop of this firm's grower is in good condition and this store will in a few weeks again be headquarters for this popular flower.

H. Simpson, the Ogden avenue florist, is very busy with wedding orders this week and reports a very good trade in general. Well arranged window displays are now features at this store and the present wedding scene is very pretty and a credit to the proprietor.

E. E. Pieser of Kennicott Bros. Co. says that he will not sell the peony plants this season as he intended to, that he bought from the Chicago Carnation Co., but will wait until some future date or possibly even retain them for his own farms.

Wm. J. Smyth had a fine week and arranged the decorations for the Steele wedding at 3215 South Michigan avenue and also supplied a large number of bouquets for the Loring school commencement exercises.

Albert Lies of Niles Centre looked so different this week when he appeared on the market minus his mustache that several of his friends failed to recognize him.

Peter Reinberg is right in crop with roses and carnations and is also receiving some fine American Beauties. Tim Matchen, the popular manager, is singing, "My Wife's Gone to the Country."

At a recent meeting of the special parks commission a committee was appointed to consider the advisability of consolidating the positions of city forester and superintendent of small parks.

The S. Wilks Manufacturing Co. is evidently looking forward to a very busy season in the greenhouse line, for it has a large number of hot water boilers in stock.

The Briggs Floral Co.'s new store on West Madison street is a dandy and the proprietors think that they have finally found a paying location.

Harry A. Balsley has advised Chairman Winterson of the convention committee on sports that he will donate a \$25 cup in the bowling contest.

Erne & Klingel, the new wholesalers, have a large variety of stock and their bill-of-fare includes practically everything seasonable in cut flowers.

A. L. Randall Co. is having a ribbon and chiffon sale and Frank Johnson says that it is a success, for much stock has already been sold.

Frank Ayers, Chas. W. McKellar's store man, is planning on leaving soon for a camping trip in the Canadian wilds.

Andrew McAdams is having a very busy season and ten men are now employed to assist with the outside work.

The E. F. Winterson Co. received its first shipment of aquatics, commonly called water lilies, this week.

T. E. Waters, Poehlmann Bros. Co.'s supply man, is recovering from a severe case of blood poisoning.

L. S. Spencer, good old Sherry, of Champaign, was with us this week.

# Peter Reinberg

Long Distance Phone Central 2846.

**30 East Randolph St., CHICAGO.**

## LARGE CROPS

**Beauties = Roses = Carnations**

**Fine Flowers for Weddings and School Closings.**

**Send Your Orders Direct to the Grower and They Will be Taken Care of**  
**CURRENT PRICE LIST.**

| AMERICAN BEAUTIES     |                       | Per doz.                    |                           |                              |
|-----------------------|-----------------------|-----------------------------|---------------------------|------------------------------|
| Extra long stems..... |                       | \$3 00                      | Mrs Aaron Ward            | { Select ..... \$8 00        |
| 36 inch stems.....    |                       | 2 50                        |                           | { Medium ..... 6 00          |
| 30 inch stems.....    |                       | 2 00                        |                           | { Short ..... \$4 00 to 5 00 |
| 24 inch stems.....    |                       | 1 50                        | Sunrise.....              | { Select ..... \$6 00        |
| 20 inch stems.....    |                       | 1 25                        |                           | { Medium ..... 5 00          |
| 15 inch stems.....    |                       | 1 00                        |                           | { Short ..... 4 00           |
| 12 inch stems.....    |                       | 75                          | Roses, our selection..... | 3 00                         |
| Short Beauties.....   |                       | 50                          | Carnations.....           | 1 50 to 2 00                 |
| Richmond.....         | } Select ..... \$8 00 |                             | Harrisii.....             | per doz. 1 50                |
| Killarney.....        |                       | Medium ..... \$5 00 to 6 00 | Valley.....               | 3 00 to 4 00                 |
| White Killarney.....  |                       | Short ..... 4 00            | Sweet peas.....           | 75 to 1 25                   |
| My Maryland.....      |                       |                             | Peonies.....              | per doz. 50 to 75            |
|                       |                       |                             | Adiantum.....             | 1 00                         |
|                       |                       |                             | Asparagus, per bunch..... | 50                           |
|                       |                       |                             | Ferns, per 1,000.....     | 3 50                         |

# SEND US YOUR ORDER

For flowers for the June Weddings and other occasions where select blooms are needed and we will fill it with an exceptionally fine grade of strictly fresh stock. We have everything that is seasonable and are particularly strong on **VALLEY, ORCHIDS, PEONIES, ROSES, GLADIOLI** and **GREENS** of all kinds.

## A. L. VAUGHAN & CO.

(NOT INC.)

**161 N. Wabash Ave.**

PHONES { Central 2571  
 Automatic 48-734

**CHICAGO**

The West Twenty-sixth street Business Men's Association is now issuing a paper of their own and are distributing 15,000 copies free every week. J. Friedl is one of the prime factors in the movement and he says that the advertising columns are open to the members of the association only.

J. W. Breaky, who has been on the sick list for some time, is recovering and is again able to be about.

C. S. Claussen says that his gladioli are doing nicely and that the outlook is bright for a crop to equal that of three years ago.

J. B. Opitz says that business in his new store is fine and much better in comparison with that last summer.

Miss M. C. Guntenberg is supplying her customers with a very fine grade of Asparagus plumosus.

Miss Etta Wronski, J. L. Raske's obliging young saleslady, became a June bride last week.

John Michelsen, E. C. Amling Co.'s efficient manager, has joined the ranks of the panamas.

Sam Graff, of Columbus, O., was in the city on business a few days this week.

Henry Wittbold has had a wedding decoration for every day this month.

"The Busiest House in Chicago."

# Peonies

Largest selection of all varieties and qualities. Price: \$2.00 to \$4.00 per 100. Write for quotations on larger lots. Valley, Sweet Peas, Roses, Carnations and all other Seasonable Flowers and Greens.

## J. B. DEAMUD CO.

Phones <sup>Central 3155.</sup> <sup>Auto. 44-389.</sup> 160 N. Wabash Ave., CHICAGO

Poehlmann Bros. Co. is right in full crop with orchids and some magnificent blooms of cattleyas can now be seen at the store. Those who had occasion to see this firm's orchid exhibit at the club meeting last Thursday, June 6, were well pleased with the specimen plants and cut blooms that were shown, for the flowers were exceptionally large and the plants were some of the finest specimens ever seen in this part of the country. A. K. Anderson, the efficient grower, was present at the meeting and pointed out the superior quality of the C. gigas and also called attention to one plant of C. Gaskelliana. There were seven flowers on one spike on one of the plants and the blooms in some instances were fully 10 inches across.

The J. B. Deamud Co. is featuring a fine grade of peonies and gladioli and the other miscellaneous stock is also of good quality. One of this firm's young store men will soon leave on his vacation and it is understood that the bell which made Des Plaines famous will tinkle when he leaves. 'Nuff said.

Elmer Sigwalt of Arlington Heights will try his hand at growing peonies next year, having already placed his order with Kennicott Bros. Co. for 1,000 plants.

The Geo. Wittbold Co. is using large street poster signs about 4x8 feet.

Visitors: W. J. Pilcher and wife, Kirkwood, Mo.; Harry Balsley, Detroit, Mich.; C. D. Stratton, Lancaster, Wis.; S. H. Forshaw, Pendleton, Ore., enroute to England; Judge Vesey, Ft. Wayne, Ind.; E. B. Milnor, Ada, O.

### Nashville.

#### GRADUATION WEEK.

Reports from all quarters show that trade has been very good and that there has been no diminution in the call for flowers. Funeral work has been plentiful not only in this city but a great deal for out of town orders, as well as for many prominent and highly connected people in the city. The school commencements, which are now about over, proved a rich harvest for the florists. There were one hundred-and-forty graduates at the public school and while the flowers were not presented publicly while the exercises were going on, they could be received either before or after the hours and every graduate was remembered bountifully. The Killarney rose was the class flower and the demand for these roses could hardly be supplied. To add to the demand there has been this week in progress a very brilliant "Kirmess," participated in by the ultra society element of more than three hundred people, all of whom had to have bouquets. The nature of the performance did not permit the interruption of bou-

quet throwing, and this feature was given an act all by itself and the performers called to the front of the stage to receive the floral gifts. Booths were fitted up in the lobby of the theatre for the sale of flowers, but they came primarily from the florists.

#### NOTES.

Geny Bros. also have had a fine trade and sold more for the school commencements than for any two years previously. The one-hundred and forty graduates seemed to be a very popular bunch. They have done good business for the "Kirmess" and have helped out a popular charity by selling them the flowers which they resold in bunches. Many French bouquets were presented the participants. Their sale on the Richmond rose for the public school was unprecedented. They have Killarney, White Killarney, American Beauty, Kaiserin Augusta Victoria and My Maryland. The two latter they have grown for the summer supply and the houses are coming on in fine shape and will give a supply when it will be most needed. They still have sweet peas in good supply but carnations are nearly out.

McIntyre Bros. have had no let up since Easter, but have been constantly busy with "hardly time to sleep" as long as the rush lasted. They had one splendid decoration at the Hermitage Club where the National Hardware Association, which met here last week in convention were entertained. Three floors were decorated profusely with palms, smilax and flowers and also the tables for three hundred guests at the banquet. They had a fine lot of beautiful blooming hydrangea to intersperse effectively amid the palms. The table pieces were made up of Killarney roses and stands of lilies and some of phlox were distributed about the banquet rooms.

The people in Joy Floral establishment say they have been "rushed to death," and have had flowers to meet every call. They have had splendid orchids and their American Beauties were never better, with large perfect flowers and stems from three to five feet long. They had a fine trade in the out-of-town funeral orders shipping to distant points. The "Kirmess" has been a fine field for them and every night they have furnished handsome flowers in great numbers. They are having fine roses, Killarney and White Killarney, Richmond and Lily of the Valley. Haury & Sons have also been kept busy with the abundance of trade and have had good flowers. They have the Richmond, Killarney and White Killarney and plenty of sweet peas and other flowers. M. C. D.

RUTHERFORD, N. J.—Jacob H. Ullmann, of Carlstadt, has turned his business over to Fred Luther, who will conduct it in the future.

### Chicago Florists' Club.

The regular meeting of the Florists' Club was held at the Union Restaurant June 6, President Foley in the chair. There was a large attendance, much interest being taken in the preparations for the forthcoming convention of the Society of American Florists. Routine business was transacted and the following were nominated for membership: J. W. Page, Morton Grove; S. G. Anderson, Morton Grove; D. D. P. Roy, 31 West Randolph street; A. L. Randall, 66 East Randolph street; Gustav Raedlein, 713 Milwaukee avenue. President Foley referred with feeling to the death of a member of Fred Lautenschlager's family and Elijah A. Wood and appointed W. N. Rudd, J. C. Vaughan and M. Barker a committee to draw up suitable resolutions on Mr. Wood's death.

Prof. H. B. Dorner spoke of the material progress being made at the University of Illinois in affording facilities for thorough and practical floricultural education.

The Poehlmann Bros. Co. made a fine display of cattleya blooms, mostly C. gigas and C. Gaskelliana.

Until further notice meetings will be held fortnightly, the next taking place June 20.

### Chicago Spring Show.

Next year's spring show of the Horticultural Society of Chicago is scheduled for April 1-5 at the Art Institute. The preliminary premium list has just been issued, with over \$1,700 in prizes for flowering plants alone. The Society invites and will carefully consider criticisms and suggestions, as it is the wish of the committee to make the exhibition as broad and comprehensive as possible. Copies of the premium list may be had on application to Secretary Chas. W. Deusner, 1101 Buena avenue.

### Chicago Bowling.

Several of the bowlers passed the 200 mark in some of the games played last week, John Zech scoring 202, Ernest Farley 203 and 210, Al Fischer 224 and Bill Lorman 212. The individual and team scores for the games played are as follows:

| Carnations. |                | Orchids.  |                |
|-------------|----------------|-----------|----------------|
| Lorman      | ...169 212 162 | Krauss    | ...179 187 190 |
| Ayers       | ...186 145 188 | Graff     | ...173 159 170 |
| Schultz     | ...180 159 185 | Huebner   | ...130 120 166 |
| Murphy      | ...153 130 200 | Farley    | ...203 210 173 |
| A. Zech     | ...182 188 185 | Zech      | ...135 173 202 |
| Totals      | ...870 884 900 | Totals    | ...870 849 906 |
| Violets.    |                | Roses.    |                |
| Schl's'm'n  | ...146 177 167 | Stack     | ...133 130 144 |
| Frank       | ...132 124 109 | McCormick | ...102 100 76  |
| Goerisch    | ...148 167 138 | Welsh     | ...163 136 109 |
| Block       | ...144 183 136 | Sweeney   | ...120 136 118 |
| Foerster    | ...190 165 189 | Fisher    | ...133 158 224 |
| Totals      | ...760 816 739 | Totals    | ...651 660 671 |

# ROSES---CARNATIONS

**Peonies, Sweet Peas, Gladioli, Valley,  
Lilies, Daisies, Iris, Callas, Ferns,  
Galax, Mexican Ivy, and Adiantum.**

**All Fancy Stock.    None Better to be Had.**

## JOHN KRUCHTEN

**162 N. Wabash Ave., Phone Central 6269 CHICAGO.**

### Oklahoma City.

#### MARKET QUIETER.

The coming of warm weather is somewhat curtailing the number of society events and the flower business is gradually settling down to summer conditions. Rambler roses are flowering profusely just now and are being utilized freely for decorative work; their season will be materially short, however, as we are needing rain in this section of the country; it has been three weeks since a real good shower visited us. For high grade roses and carnations this city is chiefly dependent upon Chicago and Denver for its supplies during the spring and summer months.

#### NOTES.

Cornelius A. Prohl, who for a little over three years has had charge of all the park system, with the exception of Wheeler Park, died with Bright's disease on June 6 and was interred June 8. Mr. Prohl was a German, a very capable landscape gardener, and had made a host of friends during his residence here and his work will long be appreciated, as he has laid the foundation for an elaborate park and boulevard system.

The Stiles Co. have their carnations in the field and as they are equipped with a Skinner irrigating system the plants are doing well.

A mushroom growing establishment located on a tract of land south of the stockyards is being built by Fred E. Thomas.

Bartelde's has just completed the planting of chrysanthemums in the benches.

Visitors: J. B. Kerick of the El Reno Floral Co., El Reno; — Brack-  
en, florist, Kingfisher, Okla.

S. S. B.

### Baltimore.

#### WEATHER PERFECT.

The weather conditions have been about perfect as to personal comfort for the last few days. But the check on indoor roses is noticeable. The cool weather causes them to keep close buds. There is quite a demand now for flowers as June is the month of weddings, commencements and garden parties. The principal flowers for graduates are roses and carnations, though sweet peas and peonies were



## ORCHIDS

**For June Weddings**

**Valley, Sweet Peas,  
Peonies, Roses and  
all seasonable flowers  
and supplies of all kinds.**

Send for Price List.

### CHAS. W. MCKELLAR

Phone L. D. Central 3598

22 E. Randolph St., CHICAGO

*Mention the American Florist when writing*

used last week at some of the commencements. We are sorry to say the fruit season in this vicinity will be of short duration. A glance at the cherry trees finds the fruit rotting. Apple trees did not show much bloom, and the wise ones tell us that all kind of fruit will be scarce. Grapes seem more fruitful and we will be fortunate if we do not have the little insect that destroyed them last season.

#### NOTES.

The squares in this city and parks are looking excellent. Baltimore is doing much more planting in this year than for a number of years past. The city is taking on a festive air and getting ready for convention. June 25 is looming up and the busy decorators are working hard and trying to make things look beautiful as far as lies in their power.

The greenhouses that are being built are getting on well. Hans Anderson has two well under way. He is getting his place at Towson in good shape, having moved there last April. Stevenson Bros. have received ma-

terial from Lord & Burnham for the extension of a connecting house and will start to work on it this month.

I. H. Moss has had a very successful season in nursery stock and is about sold out of bedding stock as are many of the other florists. B.

### Toronto.

Good general business has been the rule since Easter. The visit of the Duke and Duchess of Connaught for the races kept things going socially and there was a large demand for flowers on many occasions. Stock fortunately has been in very fine shape and good prices have been realized. Roses have been elegant, though the last few days of warmth have had some effect. Carnations have been plentiful enough to fill orders, but as there has been no surplus the prices have kept accordingly. Orchids, lily of the valley and sweet peas are fine and meet with ready sale. Lilac, iris and peonies are now plentiful enough to go around and the stores are taking advantage with excellent displays.

# Erne & Klingel

WHOLESALE FLORISTS  
30 E. Randolph St.. L. D. Phone Randolph 6578 Chicago.

# E. F. WINTERSON CO.

166 N. Wabash Ave.,  
CHICAGO

Headquarters for All Seasonable Cut Flowers

## Cut Flowers AND GREENS

LARGE SUPPLY OF ALL KINDS

## KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

American Beauty roses are now plentiful for the first time this year and are being sold in large quantities. Those who handle bedding stock complain of a great shortage. Many of the growers of the soft wood stock have cut up their places into building lots and by two firms alone the shortage in geraniums is 35,000. This, however, has its good points, as prices are better this year than ever before.

### NOTES.

Chas. Tidy has purchased 11 acres outside the city and is erecting a residence, planting trees and will give the place a general shake-up, "just for a home," says Chas.; but it would not be surprising to hear that some glass was going up.

Dunlop's Yonge street, have been making good window displays. Business has been fine, with help scarce. Good supplies of roses and carnations are coming from their own conservatories; in fact, the best for years.

Grobba & Wandrey have been bringing in good Darwin tulips, spiraea, sweet peas and gladioli. Their peony crop is now in, being the first in this locality.

W. E. Mackay of Dundas street is busy clearing out his stock and will soon move to his farm up Yonge street.

Mac. Gammage of London was a visitor who is well pleased with the season's business. H. G. D.

### Pittsburg.

We wish some of the experts who are telling us how to overcome the cut flower glut would have been in this city the past week with some practical advice. There did not seem to be enough vases to hold the stock at the wholesale houses, but at that the wholesaler, with untiring efforts, managed to report something to his growers. The plantsmen are still looking for good bedding stock, which is very scarce.

### NOTES.

T. P. Langhans has moved to his summer residence at Allison Park. W. A. Clark of the same firm hardly needs one in view of the beautiful lawn and shrubbery he has surrounding his residence in Sheridan.

James Blankensop of Washington, Pa., has sold his store in that city to Murray King, formerly of the A. W. Smith Co. of this city.

E. J. McCallum spent a few days in Cleveland and other Ohio points during the week.

John Jones of Schenley Park complains of the scarcity of labor, and states that his planting is held back badly on this account.

The A. W. Smith Co. made a specialty of seeds this spring and the trade in these more than came up to their expectations.

J. B. Martin starts the vacation season at the McCallum Co. June 15.

Mike Steiner has closed up his business on Frankstown avenue.

B. W. Spragg has opened up a flower store in Waynesburg. J.

### Lancaster, Pa.

#### FLORISTS' CLUB PICNIC.

The Lancaster Florists' Club will hold its annual outing at Pequa on the Susquehanna river on the 11th of July. Cars will leave Center Square at Lancaster 10:30 a. m., reaching Pequa at noon. This ride has scenery than can not be duplicated anywhere in the United States east of the Rocky Mountains and the river scenery at and around Pequa is the finest water scenery of this country. The cost will not exceed \$1.25 for the day, car fare to and from Lancaster, a picnic lunch from 12 o'clock noon to 1:30 p. m., and a real Lancaster County dinner at the Riverview Hotel at 4:30 p. m. The amusements will be games of various sorts, dancing for the dancers, fishing for the fishermen and a trip to the McCalls Ferry power plant (one of the largest propositions of its kind in the country) for those who are interested in wonderful things. This trip is made by motor boat on Lake Tucquan. Florists from Reading, Harrisburg, York and Lebanon and any visiting florists who are fortunate enough to be in this section on the 11th are invited to attend. Dutch treat, that is, "pay your own expenses." A postal card to Secretary Lemon Landis, Lancaster, Pa., that you will attend will insure your being looked after. ALBERT M. HERR.

LYNCHBURG, VA.—Florist Fallon has given the use of his stall at the City market to the Woman's League for 30 days, beginning May 25, with a liberal percentage on all flowers sold and orders taken through the league during that period.

PITTSBURG, PA.—Julius Solten, florist, 35 years old, living at 5206 Dreden alley, dropped dead in his home last night. Mr. Solten had complained of sickness for the past few days. Death is supposed to have resulted from heat prostration.

### Prof. Campbell on Ferns and Mosses.

Prof. Douglas H. Campbell, who is at the head of the department of botany in the Leland Stanford, Jr., University and who is the author of "The Development of Mosses and Ferns" and several other works on zoological evolution, returned recently from an extended trip to Europe. He had the following to say concerning matters close to botanists: "I have endeavored to put before the intelligent reader where we botanists stand on fundamental questions. I have discussed the different theories of evolution and the factors that bear upon the evolution of organic forms, and have tried to put them in such form that it will be clear how botanists look upon the work of Burbank and others in the way of experimental evolution with plants. Of course there are other benefits from experimental evolution besides making a pumpkin a little larger. Anything that throws light upon the fundamental question is important. European scientists are working along much the same lines as those in America. The man over there who has done most in that direction is the Dutch botanist De Vries, and his work has stimulated many others in America as well as in Europe. I am trying to study the pedigree of the vegetable kingdom as a whole, and to compare the development of the lower forms of plant life, such as mosses and ferns. They illustrate perhaps better than the higher plants, in which we get more complex forms. I have traveled all over the world in the last twenty years collecting specimens—principally ferns and mosses—because in the course of their development I find transient phases, and mosses in some stages are very close to ferns. Five years ago I traveled 40,000 miles, visiting South Africa, India, the Dutch East Indies and the Pacific islands just collecting specimens and studying them. Such growth as moss and ferns being more luxuriant in the tropics, the latter offer the best field for their study."

JUNCTION CITY, KANS.—A disastrous hailstorm struck here last week. The stones were the size of hen and turkey eggs and did not leave 12 square feet of glass unsmashed in 13,000 feet of glass belonging to E. F. Walter & Son. A large tomato crop and all flowers were destroyed. They have double insurance but their loss will be very heavy, especially on fruit and vegetables.

# A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House  
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 BEST EQUIPPED,  
 MOST CENTRALLY LOCATED  
 WHOLESALE  
 CUT FLOWER HOUSE  
 IN CHICAGO.  
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### Tree Seed by the Ton.

The United States Department of Agriculture is using this year in the national forests more than ten tons of tree seed. Most of this seed has already been planted or sown. The rest will be utilized later in the season as favorable conditions are presented.

It takes a great many tree seeds to make ten tons. Jack pine, the most important tree for planting in the Nebraska sand hills by the Forest Service, will average something like 125,000 to the pound. Of western yellow pine, the tree most extensively planted throughout the national forests as a whole, 10,000 seeds will make a pound. Altogether the ten tons of seed to be used this year represents perhaps 300,000,000 single seeds.

If every seed could be depended on to produce a young tree suitable for planting the result would be a supply of nursery stock sufficient to plant 300,000 acres of land, but no such result can be looked for, because many seeds do not germinate. Most of the seed will be sown either broadcast or in seed spots or planted with a corn planter directly in the place where the trees are to stand.

Even when nursery stock is raised a liberal allowance must be made for loss. In the first place a considerable percentage of the seeds will be found to be infertile. Of those which germinate many will die before they leave the nursery beds, and many more will be lost in transplanting. If

# J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY WHOLESALE  
 and CARNATIONS Grower of **CUT FLOWERS**  
 A Specialty.....

## Percy Jones

56 E. Randolph St., CHICAGO

*Mention the American Florist when writing*

## Wholesale Flower Markets

|                                 | CHICAGO, June 12. | Per doz.   |
|---------------------------------|-------------------|------------|
| Roses, Beauty, specials.....    | 3 50@             | 4 00       |
| " " 36-in.....                  |                   | 3 00       |
| " " 30-in.....                  |                   | 2 50       |
| " " 24-in.....                  |                   | 2 10       |
| " " 15-20-in.....               | 1 25@             | 1 50       |
| " " 12-in.....                  |                   | 75@ 1 00   |
| " " Short.....                  |                   | Per 100    |
| " Killarney.....                | 4 00@             | 8 00       |
| " White Killarney.....          | 3 00@             | 8 00       |
| " Richmond.....                 | 3 00@             | 8 00       |
| " Prince de Bulgarie.....       | 4 00@             | 10 00      |
| " Mrs. Aaron Ward.....          | 4 00@             | 10 00      |
| " My Maryland.....              | 3 00@             | 8 00       |
| " Melody.....                   | 4 00@             | 10 00      |
| " Bride.....                    | 3 00@             | 8 00       |
| " Bridesmaid.....               | 3 00@             | 8 00       |
| " Mrs. Jardine.....             | 3 00@             | 8 00       |
| Carnations.....                 | 1 50@             | 3 00       |
| Callas.....per doz.,            | 1 50@             | 2 00       |
| Cape Jasmine.....               |                   | 1 00       |
| Cattelyas.....per doz.,         | 4 00@             | 6 00       |
| Daisies.....                    | 1 50@             | 2 00       |
| Dendrobium Nobile.....          | 8 00@             | 10 00      |
| Gardenias.....                  |                   | 3 00       |
| Gladioli.....per doz.,          | 75@               | 1 00       |
| " Baby.....                     |                   | 3 00@ 4 00 |
| " Lillum Harrisii.....per doz., | 1 50              |            |
| " Mignonette.....               | 2 00@             | 4 00       |
| " Spanish Iris.....             |                   | 4 00       |
| " Sweet Peas.....               | 60@               | 1 50       |
| " Peonies.....                  | 4 00@             | 8 00       |
| " Valley.....                   | 2 00@             | 4 00       |
| " Adiantum Croweanum.....       |                   | 1 00       |
| " Ferns.....per 1000,           | 2 50@             | 3 00       |
| " Galax bronze.....             |                   | 1 25       |
| " Leucothoe.....                |                   | 75         |
| " Plumous String.....each,      | 60                |            |
| " Smilax.....per doz.,          | 2 50@             | 3 00       |
| " Sprengerl. Plumous Sprays     | 3 00@             | 4 00       |

from a pound of western yellow pine seed that contains 10,000 individual seeds 4,000 3-year-old transplants are available for field planting the Department of Agriculture has obtained satisfactory results.

## Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO  
 Telephone, Central 3284.

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**WEILAND & RISCH**  
 WHOLESALE GROWERS & SHIPPERS  
**CUT FLOWERS**  
 154 N. WABASH AVE.  
 CHICAGO  
 PHONE CENTRAL 879

SHIPMENTS EVERYWHERE IMMEDIATE DELIVERIES

## ROSES

White and Pink Killarney and Richmond  
 Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.  
 Princeton, Ill.

# There will be a Good Demand for BEAUTIES - VALLEY - CATTLEYS

To be used for June Weddings and Commencements. We advise getting our quotations—they will interest you.  
New Near-By Dagger Ferns, per 1000, \$1.50.

**THE LEO NIESSEN CO.,** Wholesale Florists, Philadelphia, Pa.  
N. W. Cor. 12th and Race Sts.,

**Philadelphia.**

**BUSINESS FALLING OFF.**

Business is fast falling off and the commencements, of which there were quite a few the past week, helped out considerably. The June weddings also called for quite a few flowers, there being several quite elaborate affairs. There is an abundance of stock with the exception of American Beauty roses, which sell up close. The demand will keep up this week, for June 14 the girls' high school graduates adopted this rose as their class flower and all will carry one dozen each of these quality roses and then talk about the great expense of final exercises. All other roses are getting smaller. Carnations are smaller but still in good condition. Peonies are about done except chilled stock, which does not last long enough to be a factor. Spencer sweet peas from outside are now very fine and are great favorites for graduation bunches. Snapdragon is almost over. There is quite a showing of gladiolus America and other similar sorts, which make good decorative effects. Lily of the valley is very fine and some very choice cattleyas are seen. Gardenias are about equal to the demand.

**NOTES.**

The large new house of the Joseph Heacock Co. is now all planted and the stock of 22,000 plants all came from A. N. Pierson, Inc., of Cromwell, Conn., who are also furnishing the plants, a like number, for the Franklin house, now nearly completed, at Yardsly.

Autos are taking the place of horses rapidly and the Leo. Niessen Co. will soon purchase another new car in addition to the one now in use. The S. S. Pennock-Meehan Co. will also have a fine new auto which will be of great assistance to their present delivery.

Nelson F. Geiger has the sympathy of the trade in the death of his father, who died suddenly June 9. K.

**Philadelphia Florists' Club Picnic.**

The event of the past week was the picnic and it was held under very adverse conditions. At first there seemed to be very little enthusiasm because Chairman Farenwald, who was the most enthusiastic, ran away to Europe. At the last meeting Secretary Rust said that the responses had come in very slowly, but members present began calling for tickets and the list finally reached 100. On Thursday it poured rain, but at 1:30 about 150 showed up at the wharf. At 2 the boats moved up the river to give a view of the city's waterfront and then down the river to Washington park, where all were safely landed and sought shelter for the time. About 3 p. m. it cleared enough to go to the athletic field, which being sandy had soaked up the water, and a three-inning game of ball between teams representing the Henry F. Michell Co. and Wm. Henry Maule was played, and resulted in a victory for the Michell team by a score of 4 to 0. Considering the condition of the grounds the contest was well played. A potato race for ladies, running races for married and single

## Wholesale Flower Markets

| PITTSBURGH, June 12.           |            | Per 100      |
|--------------------------------|------------|--------------|
| Roses, Beauty, special         | .....      | 25 00        |
| " " extra                      | .....12 00 | @25 00       |
| " " No. 1                      | .....      | 6 00@10 00   |
| " Bride, Bridesmaid            | .....      | 2 00@ 4 00   |
| " Chateaux                     | .....      | 2 00@ 4 00   |
| " Killarney                    | .....      | 2 00@ 4 00   |
| " My Maryland                  | .....      | 2 00@ 4 00   |
| " Richmond                     | .....      | 2 00@ 4 00   |
| Carnations                     | .....      | 1 50@ 2 00   |
| Cattleyas                      | .....      | 50 00        |
| Lilium Longiflorum             | .....10 00 | @12 00       |
| Lily of the Valley             | .....      | 4 00         |
| Onclidiums                     | .....      | 3 00@ 4 00   |
| Sweet Peas                     | .....      | 50           |
| Violets, single                | .....      | 25           |
| " double                       | .....      | 50           |
| Adiantum                       | .....      | 1 00         |
| Asparagus Sprengeri, per bunch | 35         |              |
| sprays.....per bunch           | 35         |              |
| PHILADELPHIA, June 12.         |            | Per 100      |
| Roses, Beauty, extra           | .....20 00 | @25 00       |
| " first                        | .....      | 8 00@12 00   |
| " Brides and Maids             | .....      | 4 00@10 00   |
| " Killarney                    | .....      | 4 00@15 00   |
| " White Killarney              | .....      | 4 00@15 00   |
| " Liberty                      | .....      | 4 00@15 00   |
| Callas                         | .....      | 8 00@10 00   |
| Cattleyas                      | .....      | 35 00@50 00  |
| Gardenias.....per doz., 1 00   | @2 00      |              |
| Lilium Harrisi                 | .....      | 8 00@10 00   |
| Lily of the Valley             | .....      | 3 00@ 5 00   |
| Marguerites                    | .....      | 75@ 1 40     |
| Mignonne                       | .....      | 3 0 0 @ 4 00 |
| Peonies                        | .....      | 6 00@12 00   |
| Snapdragons                    | .....      | 8 00@12 00   |
| Sweet Peas                     | .....      | 50 @ 1 50    |
| Adiantum                       | .....      | 1 00 @ 1 50  |
| Asparagus.....per bunch,       | 50         |              |
| Smilax                         | .....      | 15 00@20 00  |

ladies and girls and also for fat men and boys were ran and afforded much amusement, as did the wheelbarrow race for men. Possibly the most exciting event was the tug-of-war. Two teams of 10 men each were captained by Theodore Shober and Robert Shock and the earnest way they laid down to the work was worth going miles to see. Shober's team won out in the final seconds of the three minutes and both teams looked as if, in this short time, they had gone through a full 10-hour day. The shad dinner was served about 6 p. m. in a large pavilion and was very enjoyable. Taken altogether the whole outing was very enjoyable. The consensus of opinion was that it should certainly be an annual affair to be held from three weeks to a month later and should be announced earlier in the year so that a more detailed athletic program could be arranged. With a little systematic working up there is no reason why the attendance should not reach three to four times the number present on last Thursday. Some very nice prizes were arranged for by the committee, the following ladies and gentlemen being the winners:

Men's wheelbarrow race—Theodore Shober, first; F. Adelberger, Wayne, second.

Race for married ladies—Mrs. Robertson, first; Mrs. Gracey, second.

Race for single ladies—Miss Josephine Michell, first; Miss Geschick, second.

Girls' race—Miss Robertson, first; Miss Koehler, second.

Boys' race—Wm. Robertson, first; Alfred Rust, second.

## EVERYTHING SEASONABLE

THE MCGALLUM CO., Cleveland, Ohio  
Pittsburg, Pa.

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## Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

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MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

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Potato race for ladies—Miss Josephine Michell, first; Mrs. Gracey, second.

Fat men's race—Robert Shock, first; J. G. Wenderoth, second.

Tug-of-war—Theodore Shober's team first.

Baseball game—Henry F. Michell's team, 4; Wm. Henry Maule's team, 0. K.

**Denver, Colo.**

BEDDING PLANTS IN GOOD DEMAND.

In comparison with the dull times we have had, Memorial day was a great success both as to quantity of flowers sold and prices obtained. The plant trade has been a continual grind for three weeks. We had a late winter with hot weather following within a week of snow and no spring weather intervening, so that everyone wanted their bedding plants and porch boxes at once, insisting they could not wait.

**NOTES.**

Ben Boldt, one of our most successful growers, and S. R. Lundy, formerly traveling salesman for the A. L. Randall Co., Chicago, have opened a retail store at 614 Sixteenth street, one of the best locations in the city. They have fitted up the store in good taste and Mr. Lundy, who has charge of the store, keeps the windows very artistically trimmed, so they have already attracted the favorable attention of the public and business has started off well with them. The place is known as the Boldt-Lundy Flower Shop.

Visitors: John Berry of Colorado Springs; Arthur Zerkman, with M. Rice & Co., Philadelphia, Pa., and S. Seligman, Sprinkleproof Sam, Wertheimer Bros., New York. T. W. H.



# C. C. POLLWORTH CO.

MILWAUKEE'S  
LEADING PLANT,  
CUT FLOWER AND  
FLORIST SUPPLY  
HOUSE.

## HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,  
Tulips, Peonies, Lilies,  
AND ALL OTHER  
CUT FLOWERS and GREENS

### Washington.

#### TRADE DULL.

Business is fast settling down to the dull routine of summer quietness. It is true that congress is in session, which keeps a number of people here who would otherwise be away, but congress goes on in a perfunctory manner, with its ear to the ground. While in the flesh the average congressman may be in the Capitol, in spirit he is out in his own "deestric" wondering what his constituents intend to do to him when the ides of autumn roll around. Nearly all the good spenders who are regular entertainers when here have gone to their summer homes. There are a few weddings, the average amount of funeral work and a scattering counter trade and that is about the sum total of business. Quite a number of strangers were in the city the latter part of last week on account of the unveiling of the monument to Christopher Columbus, which stands in front of the new Union Station. Visiting delegations, however, are not good patrons of the florists, and excepting the decoration of Convention hall, where the banquet was held on the night of June 8, there was little business in connection with the event. There was an automobile parade on the night of June 7, in which some of the automobiles were decorated with flowers. The lamented Mark Twain once told us of the tears he shed at the tomb of Adam; well, the people who have taken so much interest in having a monument to Columbus erected in this national capital, can now come here and weep over it if they want to. Stock continues plentiful; though the home crop of peonies is cut, good stock keeps arriving from northern points. There was heavy rain during the past week and the nights have turned cool. Outdoor stock, particularly carnations, has taken a fresh start. Among noteworthy flowers now coming in are phlox and Canterbury bells.

#### NOTES.

J. H. Small & Sons have closed the old store which they have occupied for so many years at the corner of Fourteenth and G streets, N. W., and are now doing all business in their elegant new store at the corner of Fifteenth and H streets, N. W. This firm had the decoration for the Knights of Columbus banquet at Convention hall June 8. The hall is large and several hundred cedar trees, of medium height, were used as a wall decoration, peonies being chiefly used on the tables.

The monthly meeting of the club was held on the night of June 4 with a good attendance. A tangle in the former election of delegates was straightened out. There was some discussion relating to the annual outing of the club, but no date was fixed.

## GUST. RUSCH & CO.



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FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

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### Wholesale Flower Markets

MILWAUKEE, June 12.

|                                      |                 |
|--------------------------------------|-----------------|
| Roses, Beauty...per doz., 1 00@ 3 00 |                 |
| Killarney.....                       | 3 00@ 8 00      |
| Richmond.....                        | 3 00@ 8 00      |
| White Killarney.....                 | 4 00@10 00      |
| Carnations.....                      | 1 00@ 3 00      |
| Daisies.....                         | 50@ 1 00        |
| Baby Gladiol.....                    | 2 00@ 4 00      |
| Lilium Giganteum.....                | 1.50 doz. 10 00 |
| Lily of the Valley.....              | 3 00@ 4 00      |
| Peonies.....                         | 2 00@ 4 00      |
| Snapdragons, per bunch, 35@ 75       |                 |
| Sweet Peas.....                      | 50@ 1 00        |
| Swainsona...per bunch, 35@ 50        |                 |
| Asparagus.....per string, 50         |                 |
| Sprenkeri, per bunch, 35             |                 |
| Ferns, Fancy.....per 1000, 3 00      |                 |
| Galax.....per 1000, 1 50             |                 |
| Smilax.....per doz., 2 50            |                 |

Wm. F. Gude and wife will entertain the members of the club with a lawn party at their beautiful home on the night of June 13.

Our good friends of the Department of Agriculture are still being investigated. This time it is the everglades or some other southern swamp lands. Secretary Wilson is not a lawyer, but he has McCabe, who is alleged to be both a lawsmith and a jawsmith.

Samuel Simmonds, who has charge of the beautiful conservatory and grounds of Mrs. Leiter, has been quite ill, but is now rapidly recovering.

A. F. F.

### Cleveland.

#### STORING PEONIES.

Stock of all kinds continues plentiful and big lots of roses and carnations are sold at bargain prices. Peonies are being put in storage by the carload, many are sold on the streets and a lot more are sent to the hospitals. Carnations are in full crop just now, but in about one week's time they are more than likely going to be a little scarce. Colored water lillies are arriving on the local market, and are finding a ready sale, with the demand far exceeding the supply. Ica and Mrs. Francis King gladioli are

### RICE BROTHERS

Wholesalers of Cut Flowers  
and Florists' Supplies.

Minneapolis, Minn.

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### Seattle Cut Flower Exchange

Removed to  
1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers, Greens,  
Plants, etc.

Write, wire or Phone.

L. P. WALZ, Mgr

Mention the American Florist when writing

in good demand. Larkspur, snapdragon, etc., are plentiful in all colors, Easter lilies sell fairly well. Sweet peas are not quite so plentiful as a week ago, but stock is still in very fair condition. Lily of the valley and orchids are moving nicely. Greens of all kinds are plentiful.

#### NOTES.

Tom Burt, manager of the Fred Wilhelm greenhouses, Schaaf Road, South Brooklyn, O., was presented with a fine baby boy on Friday, June 7th, which weighed eight and one-half pounds at birth. Cigars were very much in evidence around the greenhouses. Congratulations.

A horseshoe made up entirely of silver dollars to the amount of 1,000 was a novel design seen in Smith & Fetter's store on Euclid avenue. The horseshoe was presented to Napoleon Lojoie of the Cleveland base ball club, by admiring fans in and around Cleveland, O.

Rumor has it that Carl Hagenberger sold his retail store at Euclid and East 105th street to Fred W. Griffin.

C. F. B.

RUMFORD, ME.—Miss Newton was called to her home in Westbrook, May 30 by the illness of her father.

# Young Rose Stock WELCH BROTHERS,

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock. WRITE FOR PRICES.

Asparagus Plumosus Narus seedlings, \$1.00 per 100; \$7.50 per 1000.  
Asparagus Sprengerii seedlings, 75c per 100; \$5.00 per 1000

**W. H. ELLIOTT, Brighton, Mass.**

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland, and other seasonal stock.

Boston.

DEMAND LIGHT WITH HEAVY SUPPLY.

We are reminded of Kipling's "rag and a bone and a bunch of hair." There are rags and bones in the market at present and bunches of seasonable and unseasonable stock can be had for a little exertion or capital. Whether there is not enough June brides to take the surplus or whether the brides have cold feet we do not know. The market just now is in an unsatisfactory state. Carnations are piling up and still they come, and it is a question sometimes of job lots so much a thousand. The reaction has set in and set in with a vengeance and the divine flower is losing popularity it seems with the public. Whether the latter will be induced to take another bite and whether the taste becomes bitter again depends on those who sell the goods. One of the most optimistic men in the trade is P. Welch. He says this dark trade spell will bring more light and we ourselves feel that the growers will realize that the public are the bosses, and the more educated they become to the use of flowers the more discriminating they will be as to the quality. There are new fields to open. The firemen within a few years have begun to decorate the graves of their deceased comrades in June. Children's Sunday in the churches has always used plants. There is an innovation started, giving each child a flower. We know of one case where the children baptised were each given a white rose with the thorns cut off and all the other children were given a rose and a plant. Here is an infant flower industry which will bring good results. Who will rise up and kill it by selling pickled stock? Continued cold weather is with us yet, June 8, frost. Crops are backward, but we never saw New England look so pretty in June. There is a greenness here at present that only could be expected in the Emerald Isle.

NOTES.

There is another innovation started, that of giving children in the public schools in one of our suburbs a cut back rose from the benches. This will help instill a love for flowers which in after years will grow stronger, help the florist, make homes prettier, make garden spots out of eye sores, and place the home on a higher plane by their use.

We noticed a seedling carnation brought in by W. C. Stichel, of Lexington, a big, handsome, strong flower, a cross between Gloriosa and Beacon. It is a nice thing, but Mr. Stichel says it is too slow and rather than foist anything on the trade that would not bring good results he is not going to send it out.

Boston is to have a municipal farm in Franklin Park. The versatile mayor is reported to have started a model farm at his Dorchester home. We may expect to hear some fine points about expert farming now.

Maurice Hambro is out again after his sickness. MAC.

## The Horticultural Society of New York.

A SUCCESSFUL EXHIBITION.

A most successful exhibition was held in the Museum building, New York Botanical Garden, on Saturday and Sunday, June 8 and 9. Prizes were offered for collections of peonies,

## Wholesale Flower Markets

| BUFFALO, June 12.           |             | Per 100 |
|-----------------------------|-------------|---------|
| Roses, Beauty, special..... | 20 00@25 00 |         |
| " " fancy.....              | 15 00@20 00 |         |
| " " extra.....              | 12 00@15 00 |         |
| " " No. 1.....              | 8 00@10 00  |         |
| " " No. 2.....              | 3 00@ 5 00  |         |
| Bon Silene.....             | 2 00@ 3 00  |         |
| Maid and Bride.....         | 3 00@ 6 00  |         |
| Pink Killarney.....         | 3 00@ 8 00  |         |
| White Killarney.....        | 3 00@ 8 00  |         |
| Richmond.....               | 5 00@ 8 00  |         |
| My Maryland.....            | 3 00@ 6 00  |         |
| Kaiserine.....              | 3 00@ 8 00  |         |
| Carnot.....                 | 4 00@ 7 00  |         |
| Carnations.....             | 1 50@ 2 50  |         |
| Callas.....                 | 6 00@ 8 00  |         |
| Iris.....                   | 1 50@ 2 00  |         |
| Lilium Longiflorum.....     | 7 00@10 00  |         |
| Lily of the Valley.....     | 3 00@ 4 00  |         |
| Mignonette.....             | 2 00@ 3 00  |         |
| Peonia.....                 | 3 00@ 5 00  |         |
| Swainsona.....              | 50@ 1 00    |         |
| Sweet Peas.....             | 50@ 1 00    |         |
| Adiantum Croweanum.....     | 75@ 1 50    |         |
| Asparagus, per bunch.....   | 35@ 50      |         |
| Asparagus Sprengerii.....   | 35@ 50      |         |
| Ferns.....per 1000.....     | \$2 50      |         |
| Galax.....per 1000.....     | \$1 50      |         |
| Smilax.....                 | 15 00       |         |

| BOSTON, June 12.                |             | Per 100 |
|---------------------------------|-------------|---------|
| Roses, Beauty, best.....        | 20 00@25 00 |         |
| " " medium.....                 | 12 00@20 00 |         |
| " " culls.....                  | 1 00@ 2 00  |         |
| " " Bride, Bridesmaid.....      | 2 00@ 6 00  |         |
| " " Extra.....                  | 2 00@ 6 00  |         |
| " " Killarney and Richmond..... | 2 00@ 8 00  |         |
| " " My Maryland.....            | 2 00@ 8 00  |         |
| " " Carnot.....                 | 6 00@12 00  |         |
| Carnations, select.....         | 1 00@ 2 00  |         |
| Callas.....                     | 8 00@12 00  |         |
| Cattleyas.....                  | 35 00@50 00 |         |
| Gardenias.....                  | 6 00@12 00  |         |
| Lilium Longiflorum.....         | 4 00@ 8 00  |         |
| Lily of the Valley.....         | 2 00@ 4 00  |         |
| Mignonette.....                 | 3 00@ 6 00  |         |
| Narcissus, yellow.....          | 1 00@ 3 00  |         |
| " " white.....                  | 1 00@ 3 00  |         |
| Sweet Peas.....                 | 25@ 75      |         |
| Smilax.....                     | 12 00@18 00 |         |
| Snapdragon.....                 | 6 00@ 8 00  |         |
| Spirea.....                     | 2 00@ 3 00  |         |
| Stocks.....                     | 2 00@ 4 00  |         |

roses, flowers of shrubs and trees, rhododendrons and azaleas, irises and other flowers and plants. This was the largest summer exhibition ever given by the society, much larger than that of last June. Mr. T. A. Havemeyer, of Glen Head, N. Y., made a large and magnificent display of peonies, comprising over 200 vases and about 1,200 blooms. The flowers were large and of excellent quality. A fine display of the flowers of shrubs and trees and of irises were also made by Mr. Havemeyer, who takes an active interest in the advancement of horticulture, superintending himself the arrangement of this large display. It was a little early for roses, but several exhibits were made, the one by Gen. McAlpin, of Ossining, N. Y., being of especial merit. A fine exhibit of rhododendrons was made by the F. R. Pierson Co. There were also large exhibits of shrubs and trees, irises, herbaceous plants and roses by Mr. H. Darlington, Mrs. F. A. Constable and Mr. Henry Siegel. A fine display of orchids was made by Messrs. Lager & Hurrell, and another by Mr. Clement Moore. The weather was ideal, and there was a large attendance on both Saturday and Sunday. A meeting of the society was held on Saturday afternoon, followed by a lecture on "Orchids," by Mr. George V. Nash, who spoke about the structure, classification, distribu-



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tion and cultivation of this large family of plants, illustrating his remarks with colored lantern slides and with living specimens brought from the nearby conservatories of the garden.

Following is a list of the awards:

### PEONIES.

Three white varieties, 6 flowers of each: T. A. Havemeyer, A. Lahodny, gardener, first; F. R. Pierson Co., second.

Three light pink varieties, 6 flowers of each: T. A. Havemeyer, first; F. R. Pierson Co., second.

Three rose varieties, 6 flowers of each: T. A. Havemeyer, first; F. R. Pierson Co., second.

Three crimson varieties, 6 flowers of each: T. A. Havemeyer, first; F. R. Pierson Co., second.

Collection of singles, 3 flowers of each: T. A. Havemeyer, first; F. R. Pierson Co., second.

Largest and finest collection, not less than 6 flowers of each: T. A. Havemeyer, first; F. R. Pierson Co., second.

### MISCELLANEOUS.

Collection of hardy roses: Gen. E. A. McAlpin, J. Woodcock, gardener, first; H. Darlington, P. W. Popp, gardener, second.

Collection of hardy flowering shrubs and trees: T. A. Havemeyer, first; Mrs. F. A. Constable, Jas. Stuart, gardener, second.

Collection of hardy rhododendrons and azaleas, or either: F. R. Pierson Co., first; T. A. Havemeyer, second.

Collection of hardy herbaceous plants: Henry Siegel, Thos. Aitchison, gardener, first.

Collection of irises: T. A. Havemeyer, first; Mrs. F. A. Constable, second.

Six orchid plants, 6 varieties: Lager & Hurrell, first.

Three orchid plants, 3 varieties: Lager & Hurrell, first; Clement Moore, J. P. Mossman, gardener, second.

One orchid plant: Clement Moore, first; Lager & Hurrell, second.

Collection of cut orchids: Clement Moore, first.

Special prizes were awarded to the following: Mrs. F. A. Constable, for canterbury bells; John Childs, for collection of 3 yellow callas; H. Darlington, for gladiolus and sweet peas; Henry Siegel, for lilium microphyllum. GEORGE V. NASH, Sec'y.

# EASTER LILIES

All year round grown by  
**Hoffmeister Floral Co.**  
 Lickrun, Cincinnati, Ohio

**St. Louis.**

**PRICES LOW.**

School closings and weddings form the only outlet for the large supply of flowers arriving in this market. Trade has slackened up considerably. Notwithstanding the cool weather now prevailing, large quantities of roses and carnations are pouring in and prices are low. Outdoor peas are now arriving. Cape Jasmynes are not selling. Peonies are still in; many are of poor quality and too much open.

**NOTES.**

Ostertag Bros. have the decorations for the opening of the summer garden at the Coliseum and over 100 bay trees and many fine specimens of palms are to be used in the decoration. Henry recently bought \$1,000 worth of decorative plants.

The Schoenle Floral Co. had the family order for the funeral of a very prominent saloon man last week. Mrs. Schoenle was a relative of the family.

Park Commissioner Davis is pushing the movement to establish a zoo to compare favorably with that of New York and Chicago.

The M. M. Ayres Floral Co. has the decoration for the Yeatman High School and nine June weddings are still on hand.

Otto Sander will vacate his downtown store and expects to go out in the western part of the city.

Will Ossig of the firm of Wm. H. Smith Floral Co., has recovered from his recent sick spell.

Quite a few of the Kirkwood growers are bringing in fancy gladioli.

Vincent Gorly attended the Elks Union at Joliet, Ill., last week.

A rate of \$11.60 to S. A. F. convention in Chicago is announced.

Fred Pape is around in his machine and reports trade as good.

Weather has warmed up at the time of writing. W. F.

**Cincinnati.**

**THE MARKET.**

Business is good as a whole. The supply is in most lines larger than the demand for them, but still the clearances are very substantial. The demand from out-of-town for both flowers and greens is large. Local business is not as active as it might be. Toward the close of last week white roses began to run short of the call. American Beauty roses were used in very large quantities and at local commencements they seemed to be the chief flower. The offerings of Killarney and Maids and rambler roses are large. Carnations continue in very large supply. The offerings of Enchantress is large, while the call for white and dark colors is about equal to the demand. Other offerings include gladioli, both large choice forced flowers and out-of-door stock. In hardy phlox the first is being cut and finds only a passive demand. The demand for lily of the valley and orchids is good. There are plenty of Easter lilies with only a fair market. The green goods market is ample and demand only fair.

**CLUB MEETING.**

The Florists' Club meeting on June 10 was well attended. The following were nominated to be balloted upon at the next, the annual, meeting: For presi-

## Wholesale Flower Markets

**CINCINNATI June 12.**

|                                  |                        |            |
|----------------------------------|------------------------|------------|
| Roses, Beauty.....per doz.,      | 50@                    | 3 00       |
| "                                | Per 100                |            |
| "                                | Bride, Bridesmaid..... | 2 00@ 8 00 |
| "                                | Killarney.....         | 2 30@ 8 00 |
| "                                | My Maryland.....       | 2 00@ 8 00 |
| "                                | Perle.....             | 2 00@ 8 00 |
| "                                | Richmond.....          | 2 00@ 8 00 |
| "                                | Tstt.....              | 2 00@ 8 00 |
| Carnations.....                  |                        | 2 00       |
| Lilium Giganteum.....            | 8 00@                  | 10 00      |
| Callas.....                      | 8 00@                  | 10 00      |
| Gladioli.....                    | 6 00@                  | 8 00       |
| Lily of the Valley.....          | 3 00@                  | 4 00       |
| Peonies.....                     | 2 00@                  | 4 00       |
| Sweet Peas.....                  | 35@                    | 50         |
| Adiantum.....                    |                        | 1 00       |
| Asparagus Plumosus...per bunch,  | 25                     |            |
| Asparagus Sprengerl...per bunch, | 25                     |            |

**ST. LOUIS, June 12.**

|                                  |                        |            |
|----------------------------------|------------------------|------------|
| Roses, Beauty, medium stems..... | 25 00@                 | 30 00      |
| "                                | short stems.....       | 2 00@ 4 00 |
| "                                | Bride, Bridesmaid..... | 3 00@ 4 00 |
| "                                | Killarney.....         | 3 00@ 6 00 |
| "                                | My Maryland.....       | 3 00@ 6 00 |
| "                                | White Killarney.....   | 2 00@ 6 00 |
| Carnations.....                  | 1 50@                  | 2 00       |
| Callas.....                      | 8 00@                  | 10 00      |
| Easter Lilies.....               |                        | 10 00      |
| Peas.....                        | 40@                    | 60         |
| Valley.....                      | 3 00@                  | 4 00       |
| Asparagus Sprengerl.....         | 2 00@                  | 3 00       |
| Asparagus Plumosus.per bu.,      | 35@                    | 60         |

dent. Chas. H. Hoffmeister, who has not missed a meeting since he became a member, and Gus Adrian, the present incumbent; vice-president, James Allen; secretary, Alex. Ostendarp; treasurer, C. E. Critchell and E. A. Porter; trustee, A. C. Heckman, Jr., and Herbert Greensmith. The following committees were named: Publicity on matters floral, C. E. Critchell, chairman, R. Witterstaetter and Max Rudolph; memorial resolutions, Chas. H. Hoffmeister and A. C. Heckman, Jr.; entertainment at annual meeting, Max Rudolph, Alex. Ostendarp and Chas. Murphy. At the next meeting, in July, A. C. Heckman, Jr., E. Schumann, Herbert Greensmith and Otto Hoffmeister will read papers upon publicity as applied to their individual line of the florist business.

**NOTES.**

E. G. Gillett, who went to Dayton, and P. J. Olinger, who went to Indianapolis, Ind., were among the Cincinnatians who were out of the city last week.

Wm. Gardener, manager of P. J. Olinger's greenhouses at New Castle, Ind., was here at the close of last week.

C. E. Critchell was the first to offer outdoor gladioli this season. They found a fairly nice market.

Tom Windram is cutting very fine ramblers at his place in Cold Springs, Kentucky.

Caller: Martin Renkauf, representing H. Bayersdorfer & Co., Philadelphia, Pa. H.

NORWICH, CONN.—S. J. Reuter & Son opened a store in this city May 18 at 140 Main street which will be run in connection with the stores at New London, Boston and the greenhouses at Westerly, R. I.

COLUMBUS, O.—The Livingston Seed Co. report that the Garden and Flower Club is surely having a great influence on the citizens of this city. They have never had such a big demand for flowers and plants and their entire capacity has been taxed to fill orders.

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 Each..... 1.00  
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## New York.

## MARKET IN DEMORALIZED CONDITION.

The wholesale cut flower market seems to be in a more demoralized condition than ever and is flooded with good stock of all kinds. Peonies are everywhere, and the very best are moved with difficulty. Carnations are in very large supply, and many shipments of the inferior grades of these have been thrown away. The finer varieties of gladioli are more plentiful, and prices have a downward tendency. There is the usual large supply of sweet peas, with only a moderate demand for the very best. Lilies are in abundance and of all grades and quality and the supply far exceeds the demand. It is impossible to give correct quotations on roses, with the exception of the varieties My Maryland, Prince de Bulgarie, Mrs. Aaron Ward, Chateaufort, Radiance and Lady Hillingdon. These roses are not so very plentiful and do not accumulate. Killarney and Richmond are now in the class with Brides and Bridesmaid, meeting only with a very light demand. American Beauties are not so plentiful and the good blooms of these meet with a very ready sale. There is no change for the better in the orchid market. Lily of the valley is moving a little better than the previous week. The supply of gardenias is limited. Stocks are gradually getting less in quantity. There is the usual supply of greens, smilax, asparagus and adiantum, which meet with indifferent demand. The asparagus arriving from the south is affected much by the warm weather and drops badly upon arrival. From all accounts there will be a much larger supply another season of the newer roses such as Radiance, Mrs. Aaron Ward, Lady Hillingdon, Prince de Bulgarie, which have met with such a favorable reception the past season. There will also be a good supply of the new yellow rose Sunburst.

Monday, June 10.—The weather is cooler and stock not quite so plentiful. There are no important changes in quotations.

## NOTES.

The condition of the orchid market can be well understood when C. C. Trepel, who conducts the flower departments in Loeser's, Brooklyn-Bloomingtons and Gimbles, New York, advertises to give a lavender orchid to each purchaser of fifty cents' worth of flowers. On Saturday Mr. Trepel took seven truck loads of flowers out of the wholesale market. The question is often asked: Under present conditions, what would be the result if it was not for Charley Trepel?

A. M. Westwood of 110 West Twenty-eighth street furnished over one thousand bunches of American Beauty roses which were given away Wednesday at the matinee performance of the "Rose Maid" at the Globe theater. Mr. Westwood will open shortly a flower store in the Pennsylvania Terminal.

The members and ladies of the Astoria Florists' Club on Saturday attended the matinee performance of James T. Powers in the "Two Little Brides" at the Casino. In the evening after dinner at the Knickerbocker they attended the performance at the Winter Garden.

The directors of the Cut Flower Exchange will shortly hold their first annual dinner and preparations are being made to celebrate this important event on a very elaborate scale, the price of tickets being placed at ten dollars each.

Philip F. Kessler is delighted with the outlook for the club's annual outing, already having over four hundred dollars for prizes. The date is July 2 and the place Wetzel's Point View Grove, College Point, L. I.

Percy Richter, for years salesman for A. & E. Asmus and the New York

A large stock of Bay Trees, Boxwoods, Rhododendrons, Azaleas, Roses, Evergreens, Climbing Vines, etc., on sale at our new William Street Show and Salesroom. Inspection invited.

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200 Broadway, NEW YORK CITY

**W. E. MAYNARD**  
Manager Sales Department  
157-159 William St. (Basement)

Cut Flower Co., has resigned and will join the forces of Philip F. Kessler on the floor above in the Cut Flower Exchange.

W. A. Manda, who has been a very successful exhibitor at the International Exposition in London, writes he will sail from Liverpool June 8 on the SS. Lusitania.

The large order of 50,000 roses that Charles Millang furnished during the week to Wannamaker's stores made no apparent impression on the prices.

Sam. Sulzburger has resigned from Henshaw & Fenrich and has accepted a position with Maurice Glass at 55 West Twenty-sixth street.

J. K. L. M. Farquhar and M. A. Patten of Boston arrived in New York from Europe on Saturday on the SS. "Mauretania."

J. V. Cole, who succeeded Fleischman in the Pennsylvania Terminal, closed up the first of the week.

Frank D. Hunter, who has been seriously ill since January 1, is now able to be about again.

John Meisem of Elmhurst, L. I., is cutting 5,000 lilies a day of the very best quality.

Henry Lustgarten is now located on the floor of the Cut Flower Exchange with P. F. Kessler, B. Slum and A. Sauter.

Visitors: George Watson, Philadelphia, and Conrad Schulz, Westerly, R. I.

## New York Florists' Club.

There was only a fair meeting on Monday night—70 present. Frank H. Traendly made an elaborate report for the transportation committee and his committee was given full power to complete all arrangements. All those going from the vicinity of New York or points east are invited to join the party. If a party of 100 is made up a special train will be provided, making the trip to Chicago in less than 20 hours, and at the same time the \$5 excess fare will be saved. There seems to be no doubt but what there will be more than 100 making the trip, but no delay should be made in communicating with Mr. Traendly, 131 West 28th street, for reservations.

The committee on awards reported on exhibits of peonies as follows: George H. Peterson, Fair Lawn, N. J., certificate of merit, special mention being made of the varieties No. 1 Livingston, Mons. Krelage, Mons. Cahucz and Mme. Louise Mere; John Lewis Childs, Floral Park, L. I., thanks of the club for peonies, Iris Pallida, and collection of Callas by Jno. Lewis Childs, Callas Elliottiana, Rheumaunii, Aurata, Mrs. Roosevelt and Sulfatore.

John Lane, Englewood, N. J., was nominated for membership. J. H. Reock, Walter C. Siebrecht, A. C. Saylor, George C. Siebricht, Charles Schmiege were elected to membership. Messrs. Reock, Schmiege, Artsburger, Bucholz, Saylor, Joseph H. Vocke, Edward A. Manda, recently elected, were introduced and each made brief addresses.

Chas. B. Weathered, Chas. Schenck, A. L. Miller, R. M. Schultz, Robt. Wilson, Bert Chadwick, C. W. Scott, M. C. Ebel, J. Austin Shaw, A. M. Henshaw were appointed entertainment committee to take care of the visitors to the National Flower Show.

J. H. Pepper reported for the committee on publicity in the absence of Chairman Wallace R. Pierson. All florists' clubs had been communicated with, urging concerted action, and the outlook was very encouraging.

Philip F. Kessler gave a detailed report for the outing committee. Everything looks as if this affair would be the most successful in the history of the club.

Chairman I. S. Hendrickson of the exhibition committee announced there would be an exhibition of gladioli at the September meeting.

Resolutions were read on the death of Mrs. Wm. F. Kasting, Mrs. Wm. Eccles and Peter MacDonald.

The club then adjourned to meet the second Monday in September. V.

## Albany, N. Y.

## BUSINESS EXCEPTIONALLY GOOD.

Business the past two weeks has been exceptionally good. The growers have sold out on bedding stock, the demand for which was heavier than anticipated. For cut flowers the sale is growing on account of the approach of the season of weddings and commencements.

## CLUB MEETING.

At the June meeting of the Albany Florists' Club, George Parr of Glenmont, a short distance south of the city, asked the co-operation of the members in connection with floral exhibits at the second annual fair he is to hold about the middle of August. Individual members promised to send plants and flowers from their stock and the outlook is that a creditable exhibition will result. The program may include one day devoted to a floral fete, but details depend largely upon the measure of response. Treasurer Patrick Hyde reported that a draft had been remitted to John Young for membership fee of the Albany club in the new state organization of florists' clubs formed in February. Letters of thanks were read by the secretary from Edmund Hazeltine for a wreath sent to his mother's funeral; from Patrick Hyde for fruit sent during his recent illness, and a word or two was spoken by F. Goldring in behalf of Fred A. Danker, president, who was remembered during his recent illness. J. Wesley Warner, Newtonville, and James J. Moore, Watervliet, were elected members and one application was received to be acted upon at the next meeting. Upon invitation the club will hold its July meeting with Frederick Goldring on the evening of the 11th at his place, Font Grove. R. D.

## Massachusetts Horticultural Society.

The Massachusetts Horticultural Society's annual exhibition of rhododendrons, azaleas and irises was held at Horticultural Hall, Saturday and Sunday, June 8 and 9. There were also exhibits of early peonies and of other seasonable hardy flowers and early vegetables.

The date of the peony, rose and strawberry exhibition has been fixed for Saturday and Sunday, June 22 and 23. These exhibitions are free to all and will be open Saturday from 12 m. to 6 p. m. and Sundays from 2 to 6 p. m.

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**Wholesale Flower Markets**

|                                    | NEW YORK, June 12, | Per 100  |
|------------------------------------|--------------------|----------|
| Roses, Beauty, special.....        | 15                 | 30@20 00 |
| " " extra and fancy.....           | 8                  | 00@15 00 |
| " " No. 1 and No. 2.....           | 2                  | 00@ 6 00 |
| " " Bride, Bridesmaid, special. 1  | 00@                | 4 00     |
| " " extra and fancy.....           | 2                  | 00@ 3 00 |
| " " No. 1 and No. 2.....           | 5                  | 00@ 1 00 |
| " " Killarney, My Maryland ..      | 4                  | 00@ 6 00 |
| " " extra and fancy. 2             | 00@                | 3 00     |
| " " No. 1 and No. 2. 1             | 00@                | 1 50     |
| " " Richmond.....                  | 1                  | 00@ 6 00 |
| Carnations.....                    | 5                  | 00@ 3 00 |
| Cattleyas.....                     | 10                 | 00@25 00 |
| Gardenias.....                     | 2                  | 00@25 00 |
| Lilies, Longiflorum and Harrisii.. | 2                  | 00@ 4 00 |
| Lily of the Valley.....            | 1                  | 00@ 3 00 |
| Sweet Peas.. per doz. bunches, 25@ | 75                 |          |
| Adiantum Croweaoum.....            | 5                  | 00@ 1 00 |

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| Atlantic City, N. J., 1505 Pacific Ave.,   | Berke, Geo. H.          | Mt. Vernon, N. Y., Columbia Ave.           | Dummett, Arthur          |
| Boston, Mass., 342 Boylston St.,           | Carbone, Philip L.      | Newark, O.                                 | Duerr, Chas. A.          |
| Boston, Mass., 43 Bromfield, St.,          | Penn, Henry             | New York, N. Y., Madison Ave. and 44th St. | Dards, Chas. A.          |
| Buffalo, N. Y., 304 Main St.,              | Palmer, W. J. & Son     | New York, N. Y., 1153 Broadway             | Small, J. H. & Sons      |
| Chicago, Ill., 2223 W. Madison St.,        | Schiller, The Florist   | New York, N. Y., 423-427 Fifth Ave.        | Siebrecht & Son          |
| Chicago, Ill., 31st and Michigan Ave.,     | Smyth, W. J.            | Northampton, Mass.                         | Field, H. W.             |
| Chicago, Ill., 22 E. Elm St.               | Wienhoeber Co., Ernst   | Oklahoma City, Okla.                       | Stiles Co., The          |
| Cincinnati, O., 138 E. 4th St.             | Baer, Julius            | Parkersburg, W. Va.                        | Dudley & Sons, J. W.     |
| Cincinnati, O., 150 E. 4th St.             | Hardesty, T. W. & Co.   | Paterson, N. J.                            | Seecy, Edward            |
| Cleveland, O., 5523 Euclid Ave.            | Graham, A. & Son        | Philadelphia, Pa., 1514 Chestnut St.       | Pennock Bros.            |
| Colorado Springs, Colo.                    | Crump, Frank F.         | Portland, Ore., 325 Morrison St.           | Touseth Floral Co.       |
| Council Bluffs, Ia., 321 Broadway          | Wilcox, J. F. & Son     | Poughkeepsie, N. Y.                        | The Saltford Flower Shop |
| Danville, Ill.                             | Smith, F. B. & Sons     | Rochester, N. Y., 25 Clinton Ave.          | Keller & Sons            |
| Denver, Colo., 1643 Broadway               | Park Floral Co.         | Rockford, Ill.                             | Buckbee, H. W.           |
| Detroit, Mich., 153 Bates St.              | Bemb Floral Co., The L. | Scranton, Pa.                              | Clark, G. R.             |
| Detroit, Mich., Gratiot Ave. and Broadway, | Breitmeyer & Sons       | Seattle, Wash.; 1534 Second Ave.           | Hollywood Gardens        |
| Galesburg, Ill.                            | Pillsbury, I. L.        | Spokane, Wash., 817 Riverside Ave.         | Hoyt Bros. Co.           |
| Hartford, Conn.                            | Coombs, John F.         | Springfield, Mass. 378 Main St.            | Aitken, Mark             |
| Indianapolis, Ind., 241 Massachusetts Av., | Bertermann Bros. Co.    | St. Louis, Mo., 7041 Florissant Ave.       | Meinhardt, Fred. A.      |
| Kalamazoo, Mich., 141 S Burdick St.        | Von Bochove & Bros.     | St. Paul, Minn., 24 W. 5th St.             | Holm & Olson             |
| Kansas City, Mo., 913 Grand Ave.           | Murray, Samuel          | Terre Haute, Ind., 139 S. 7th St.          | Heinl, John G. & Son     |
| Kansas City, Mo., 1116 Walnut St.          | Rock, W. L. Flower Co.  | Toledo, O., 336 Superior                   | Freeman, Mrs. J. B.      |
| Louisville, Ky., 5504 Fourth Ave.          | Schulz, Jacob           | Washington, D. C., 1214 F St. N. W.        | Gnde Bros. Co.           |
| Louisville, Ky., Masonic Temple,           | Baumer, August R.       | Washington, D. C., 14th and G St.          | Small, J. H. & Sons      |
| Mankato, Minn.                             | Windmiller Co., The     | Wichita, Kans., 145 N. Main St.            | Mneller, Chas. P.        |

### Wichita, Kans.

#### SEVERE HAILSTORM.

Memorial Day for 1912 has passed into history leaving a record that will compare favorably with those of previous years. The bulk of the demand followed the usual lines and found satisfactory supply except possibly a shortage in carnations due in at least one case to the spoiled condition of "shipped in" stock. There was good sale for peonies and cape jasmine and adequate supplies of both. Prices held about as usual for the season. There was a good stiff call for cemetery bedding plants for ten days preceding the 30th.

#### NOTES.

This locality was visited with a rather severe hailstorm the afternoon of May 24. The storm was peculiar in that the quantity of hail was not large nor was it accompanied by very much wind. Thus little damage was done to outdoor crops. What it lacked, however, in quantity, it made up in quality, for the individual hailstones were quite large, many smooth round ones being found that measured one and one-half inches in diameter, with a goodly number of rough, knotty ones measuring up to two inches or more. The storm moved from west to east, W. H. Culp & Co.'s place catching it first. The damage here was light, about 10 per cent of breakage. As the storm moved east it increased in severity, F. Kuechenmeister being also in the beginning of the storm had a comparatively light loss. Chas. P. Mueller's place reports about 25 per cent of breakage. C. A. Rose and the Bixby Greenhouses report slight breakage, being south of the severe zone. Market gardeners with glass came in for their share, too. J. E. Bidleman and Mr. Shick being in the south side, had slight losses, while Ira Blake had over 50 per cent broken.

Norval Kline, "Wichita boy," now with the Schuer greenhouses at Hutchinson, Kansas, is a "June Hubby," having been married last week to Miss Maude Lamont of Hutchinson.

Clifford Pruner, representing E. H. Hunt, was a visitor last week, calling upon the trade in the interest of his



## FANCY FERNS, \$2.25 per 1000.

- New Crop Galax, Bronze or Green..... \$1.25 per 1000
- Sphagnum Moss, large bales..... \$2.50
- Lencothoe Sprays, Green..... \$1.00 per 100; \$7.50 per 1000
- Boxwood..... per pound 20c; 50-pound case, \$7.50
- Magnolia Leaves, Imported Green and Bronze Basket, \$2.25; 6 baskets \$2 each
- Sheet Moss in Bags for Hanging Baskets, Large Bags..... \$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

### MICHIGAN CUT FLOWER EXCHANGE, Inc.,

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## Live Spagnum Moss

Finest quality for mixing with peat or for top dressing.

**THE C. W. BROWNELL CO.**  
WALDEN, N. Y.

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house. He reports satisfactory business and good prospects for the western florists. W. I. CHITA.

JAMAICA PLAIN, MASS.—John Keane, of 3826 Washington street, is building a greenhouse on his premises and expects soon to have an up-to-date florist's establishment.

WORCESTER, MASS.—The Worcester County Horticultural Society had a very successful exhibition of azaleas, irises, rhododendrons, peonies, begonias and wild flowers June 6. The annual rose show of this society will be held June 27.

## George Cotsonas & Co.

Wholesale and Retail Dealers

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Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Lencothoe Sprays, Princess Pine, Etc..



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Natural and Perpetuated Sheet **MOSES**

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IN STANDARD SMILAX CASES, \$2.50.

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See Page 1283.

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A sign like this in your window will draw good business now.

### Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

June 16.  
FROM MONTREAL, Ionian, Allan.  
June 18.  
Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.  
Kroprinz Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.  
FROM BOSTON, Cymric, 12 noon, Charlestown Dock.

June 19.  
Lnsitania, Cunard, Piers 54 and 56, North River.

June 20.  
Pannonia, Cunard, Piers 54 and 56, North River.  
Celtic, White Star, 12 noon, Piers 59 and 60, North River.

Cleveland, Ham.-Amer., 10 a. m., Hoboken Pier.  
France, French, 10 a. m., Pier 57, North River.  
Prinz Friedrich Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.  
FROM MONTREAL, Lake Manitoba, Can. Pac., daybreak.

June 21.  
FROM PHILADELPHIA, Marquette, 10 a. m., Pier 55.  
FROM MONTREAL, Victorian, Allan.

June 22.  
Majestic, White Star, 12 noon, Piers 59 and 60, North River.  
Kroonland, Red Star, 10 a. m., Pier 61, North River.  
New York, Amer., 9:30 a. m., Pier 62, North River.

Cameronia, Anchor, 1 p. m., Pier 64, North River.

Hamburg, Ham.-Amer., 12 noon, Hoboken Pier.  
Florida, French, Pier 54, North River.  
La Bretagne, French, 3 p. m., Pier 57, North River.  
FROM PHILADELPHIA, Merion, Amer., 10 a. m., Pier 54.  
FROM MONTREAL, Gramplan, Allan.  
FROM MONTREAL, Ascania, Cunard.  
FROM MONTREAL, Canada, White Star-Dom., daylight.

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Anderson, S. A., 440 Main, Buffalo, N. Y.  
Atlanta Floral Co., Atlanta, Ga.  
Baer, Julius, 133 E. 4th St., Cincinnati.  
Bertermann Bros. Co., Indianapolis, Ind.  
Boland, J. B., San Francisco.  
Bowe, M. A., New York.  
Breitmeyer's Sons, John, Detroit, Mich.  
Buckbee, H. W., Rockford, Ill.  
Clark's Sons, D., New York.  
Cleveland Cut Flower Co., Cleveland, O.  
Coke, Geo. H., Conn. Ave. and L, Washington.  
Crump, Frank, Colorado Springs, Colo.  
Daniels & Fisher, Denver, Colo.  
Dard's, 44th and Madison Ave., New York.  
Duerr, Chas. A., Newark, O.  
Dunlop's, 96 Yonge St., Toronto, Can.  
Eyes, 11 N. Pearl St., Albany, N. Y.  
Freeman, Mrs. J. D., Toledo, O.  
Galvin, Thos. F., Boston.  
Gasser, J. M., Co., Cleveland, O.  
Geny Bros., Nashville, Tenn.  
Grand Rapids Floral Co., Grand Rapids, Mich.  
Gude Bros., Washington.  
Habermann, Charles, New York.  
Hatcher, Florist, Amsterdam, N. Y.  
Hatcher, Florist, Schenectady, N. Y.  
Heini & Son, J. G., Terre Haute, Ind.  
Hess & Swohoda, Omaha, Neb.  
Hoffman, 59 Mass. Ave., Boston.  
Holm & Olson, St. Paul, Minn.  
Joy Floral Co., Nashville, Tenn.  
Keller Sons, J. B., Rochester, N. Y.  
Kellogg F. & P. Co., Geo. M., Kansas City.  
Kift, Robert, 1725 Chestnut, Philadelphia.  
La Crosse Floral Co., La Crosse, Wis.  
Lange, A., 25 E. Madison St., Chicago.  
Mangel, 17 E. Monroe St., Chicago.  
Masur, S., Brooklyn, N. Y.  
Matthews, 16 3rd St., Dayton, O.  
May & Co., L. L., St. Paul, Minn.  
McConnell, Alex., New York.  
McKenna, Montreal, Can.  
Murray, Samuel, Kansas City, Mo.  
Myer, Florist, New York.  
Palmer, W. J., & Son, Buffalo.  
Park Floral Co., The, Denver, Colo.  
Penn, the Florist, 43 Bromfield St., Boston.  
Podesta & Baldochi, San Francisco.  
Pollworth Co., C. C., Milwaukee.  
Rock Flower Co., Wm. L., Kansas City.  
Saakes, O. C., Los Angeles, Calif.  
Saltford Flower Shop, Poughkeepsie, N. Y.  
Schiller The Florist, 2221 W. Madison St., Chicago.

Schilling, Max, 22 W. 59th St., New York.  
Schulz, Jacob, Louisville, Ky.  
Shaffer, Geo. C., Washington.  
Smith Co., A. W., Pittsburgh, Pa.  
Smith, Henry, Grand Rapids, Mich.  
Texas Seed and Floral Co., Dallas, Tex.  
Valentine, Frank, 153 E. 110th St., New York.  
Walker & Co., Louisville, Ky.  
Weber, F. H., St. Louis, Mo.  
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.  
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Boston—Thos. F. Galvin, Inc., 124 Tremont St.  
Boston—Hoffman, 59-61 Mass. Ave.  
Boston—Penn. the Florist, 43 Bromfield St.  
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Louisville, Ky.—F. Walker & Co., 634 4th Ave.  
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New York—Frank Valentine, 153 E. 110th.  
New York—Young and Nugent.  
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FLORISTS  
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Members Florists' Telegraph Delivery.

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**CHAS. A. DUERR,**  
The Arcade Florist,

Greenhouses  
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All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

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Careful and prompt attention given to orders for Alaska, Washington and Oregon.

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FLORISTS,

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1501 and L 1582

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**LA CROSSE FLORAL CO.**

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

## Max Schling

NEW YORK

No. 22 West 59th Street  
Adjoining Plaza Hotel

### Osmunda Root-Fibre.

There has always existed a need for a proper name for the material used by all orchid growers now, almost to the exclusion of all other kinds. It is well known that the fibre is of the root-masses of the osmundas, preferably the cinnamon fern or *O. Claytoniana*, the Royal fern does not have the large hummocks of fibrous roots, so that *O. regalis* does not figure as a factor. In writing on orchid culture it has always been necessary, to be correct, to speak of osmunda-root-fibre. This is too cumbersome, the word peat means quite a different article, fern-root is not descriptive enough, hence the need of a word that will fit the new situation.

Professor L. H. Bailey is about to issue a new edition of his Cyclopaedia of Horticulture, and the time seems opportune to launch a name and he has suggested the word "Osmundine," that is, pertaining to the osmunda. This will be used throughout the work and it is hoped that cultivators will appreciate the spirit of helpfulness in which the suggestion is made. Very few realize to what dimensions this industry, the production of Osmundine, has grown. A leading producer writes me he has sold 20,000 barrels the past year, by far the greater part being sent to Europe; steam power is used to hoist and haul the masses out of the bogs, but it all has still to be cut up and sorted by hand. He also writes that he is glad of a convenient name for the finished article, as doubtless will the most of us later on. There will still be the different grades such as light brown, coarse dark, etc., but the name Osmundine will be used in a generic way.

In the last issue of the English "Orchid Review" we see advertised, "Fortnightly fresh consignments of the best Osmunda regalis fibre, from our own freehold lands, situated in the best osmunda producing territory of the United States of America, per bag eight shillings and sixpence." This on the front cover. It may all be true except the word regalis. Osmundine will be both descriptive and correct.

E. O. ORPET.

### European Horticulture.

A New Alpine Auricula.—The new Auricula Roxburgh is a very fine addition to the alpine section and has a stout umbel and bold head of flowers. Moreover, the healthy appearance of the foliage in particular bears evidence of a sound constitution. There is a certain amount of refinement in the flowers, which are of good size, nearly two inches across, shaded purple, and merging to blue at the margin, while the creamy white center is remarkably well defined.

New Hortensia Generale Vicomtesse de Vibraye.—This beautiful variety is distinguished by very strong corymbs of very large bright rose colored flowers. Its habit is upright but graceful and the inflorescence, in spite of its dimensions, holds erect and firm. It is very free-blooming and forces well.

Louisville, Ky.

**F. Walker & Co.,**  
FLORISTS.

Phones: Home 1388, Cumb. Main 1388 A.

.....634 Fourth Avenue.

New York:

**CHARLES HABERMANN**  
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

Mention the American Florist when writing

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The Most Central Location in City.

**F. H. WEBER,**  
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

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Write, Wire or Phone Your Orders to

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1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

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New Display Rooms, 58 E. Randolph Street  
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Flowers Palms Decorations

Rented or Sold

Phones:—Randolph 4708. Nursery, Rogers  
Park 227; Evanston 829; Wilmette 658

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**"The Saltford Flower Shop"**

Vassar College and Bennett School.

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212 Fifth Ave. No. NASHVILLE, TENN.

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**MYER, FLORIST** 609-611 Madison Ave  
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**H. W. Buckbee**

# Joseph Heacock Company's Palms & Ferns

Home-Grown, Well Established, Strong and Healthy

| Kentia Belmoreana |        |               |         |
|-------------------|--------|---------------|---------|
| Pot               | Leaves | In. high      | Each    |
| 2½-in.            | 4      | 8 to 10.....  | \$ 1 50 |
| 3-in.             | 5      | 12.....       | 2 00    |
| 4-in.             | 5      | 15.....       | \$0 35  |
| 5-in.             | 6 to 7 | 18.....       | 50      |
| 6-in.             | 6 to 7 | 24.....       | 1 00    |
| Cedar tub         | Leaves | In. high      | Each    |
| 7-in.             | 6 to 7 | 34 to 36..... | 2 50    |
| 9-in.             | 6 to 7 | 40 to 45..... | 4 00    |
| 9-in.             | 6 to 7 | 42 to 48..... | 5 00    |
| 9-in.             | 6 to 7 | 48 to 54..... | 6 00    |
| 9-in.             | 6 to 7 | 5 ft. ....    | 7 50    |

| Cocos Weddelliana |  |              |         |
|-------------------|--|--------------|---------|
| Pot               |  | In. high     | Per 100 |
| 2½-in.            |  | 8 to 10..... | \$10 00 |

| Areca Lutescens |               |            |        |
|-----------------|---------------|------------|--------|
| Cedar tub       | Plants in tub | In. high   | Each   |
| 9-in.           | Several       | 5 ft. .... | \$7.50 |

| Kentia Forsteriana—Made up |        |                  |         |
|----------------------------|--------|------------------|---------|
| Cedar tub                  | Plants | In. high         | Each    |
| 7-in.                      | 4      | 36 .....         | \$ 2 50 |
| 7-in.                      | 4      | 36 to 40 .....   | 3 00    |
| 9-in.                      | 4      | 40 to 42 .....   | 4 00    |
| 9-in.                      | 4      | 42 to 48 .....   | 5 00    |
| 9-in.                      | 4      | 48 to 54 .....   | 6 00    |
| 12-in.                     | 4      | 5½ to 6½ ft..... | 15 00   |

| Phoenix Roebelenii |                             |             |        |
|--------------------|-----------------------------|-------------|--------|
| Pot                |                             |             | Each   |
| 5-in.,             | n nicely characterized..... |             | \$1 00 |
| 6-in.,             | 18 to 20-in. spread.....    |             | 1 50   |
| Cedar tub          | High                        | Spread      | Each   |
| 7-in.              | 18-in.                      | 24-in. .... | \$2 00 |

| Cibotium Schiedei |             |  |        |
|-------------------|-------------|--|--------|
| Cedar tub         | Spread      |  | Each   |
| 9-in.             | 4 feet..... |  | \$3 00 |
| 9-in.             | 5 feet..... |  | 5 00   |
| 9-in.             | 6 feet..... |  | 6 00   |

## When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your own convenience, both going and coming. When you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

**JOSEPH HEACOCK CO.,** Wyncote, Pa. Railway Station, Jenkintown.

## POINSETTIAS

June and July Delivery

We will have a fine lot ready early in July. Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½ in., \$5 per 100; \$45 per 1000.

**A. HENDERSON & CO.**  
352 N. Michigan Ave., CHICAGO.

## Geraniums

Rooted cuttings—Nutt, Poitevine and Ricard at \$10.00 per 1000 from now until Oct 1st. Honest samples for the asking.

**Plumosus and Smilax**

Extra fine Plumosus at \$25.00 per 1000; \$2.50 per 100.

Well hardened Smilax, the kind that give good results, at \$1.50 per 100; \$12.50 per 1000.

**ALBERT M. HERR, Lancaster, Pa.**

## Ferns for Dishes

2¼-in. .... per 100 per 1000  
\$3.50 \$30.00  
Asparagus Plumosus, 2¼-inch, \$3.50 per 100; \$30.00 per 1000. 3-in., \$6.00 per 100. 500 at 1000 rate. Cash with order.

**FRANK OECHSLIN,**  
4911 Quincy St., CHICAGO

## The Two Best Roses of The Year

### Killarney Queen and Double White Killarney

Grafted plants for immediate delivery, \$30 per 100; 250 for \$70; \$250 per 1000. Own Root, \$25 per 100; \$200 per 1000.

**RICHMOND, Grafted,** \$15 per 100; \$120 per 1000; Own Root, \$7.50 per 100; \$60 per 1000.

**MRS. TAFT, (Rivoire.)** Own root, \$7.50 per 100; \$60 per 1000.

**RADIANCE,** Own root, \$7.50 per 100; \$60 per 1000.

**A. N. PIERSON, Inc., Cromwell, Conn.**

## Des Plaines Floral Co Carnations.

Des Plaines, Illinois

Mention the American Florist when writing

Double Fringed Petunias, Heliotrope, Queen of Violets, Geraniums, Nutt and Hill, 2 in. pots. per 100, \$2.00; Geranium Mme. Buchner, 2 in. pots. per 100, \$1.50. Daisy, Mrs. P. Sander, 2 in. pots. per 100, \$3.50. Chrysanthemums, 8 var., 2 in. pots. per 100, \$2.00. Bellis Daisy, white and pink, good plants, 50c. Pansy, Early Spring seedlings, now ready, of our choice strain, \$2.50 per 1000; 5000 for \$10.00. All carefully grown—prompt shipment.

**Elmer Rawlings, Wholesale Grower, Olean, N. Y.**

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## CARNATIONS

**F. DORNER & SONS CO.,**

LA FAYETTE - - INDIANA.

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## Sweet Williams

Field Clumps, \$3.00 per 100; \$25.00 per 1000. Smaller plants that will bloom this season, 50 cents per 100; \$3.50 per 1000. Hardy Pinks, field clumps, \$2.00 per 100.

**J. C. SCHMIDT, Bristol, Pa.**

Mention the American Florist when writing

## The Seed Trade.

### American Seed Trade Association.

Leonard H. Vaughan, Chicago, President;  
Marshall H. Duryea, New York, First Vice-  
President; Edgar Gregory, Marblehead,  
Mass., Second Vice-President; C. E. Kendel,  
Cleveland, Ohio, Secretary and Treasurer.  
Next annual convention at Chicago, June  
25-27, 1912.

VISITED CHICAGO: A. J. Brown,  
Grand Rapids, Mich.

CALIFORNIA pea crops are reported  
as looking like an eight to ten fold  
yield.

S. M. ISBELL & Co., Jackson, Mich.,  
have discontinued the growing of peas  
for the trade.

Chicago.—Prices on the Board of  
Trade, June 12, for grass seed were  
noted as follows: Timothy, \$8 to \$12  
per 100 pounds.

FREESIAs.—It is reported French  
freesia bulbs will be scarce. Of course  
much depends upon the demand. The  
bulb crops will not be harvested before  
the end of June.

THE tuberose crop is reported to be  
looking well at this time, although  
somewhat retarded by the wet weather.  
The young bulbs are well started in  
growth out of the ground.

THE thirtieth annual convention of  
the American Seed Trade Association  
will be held at Chicago week after  
next, June 25-27. The local commit-  
tee having the matter in charge re-  
ports excellent progress with the ar-  
rangements for the meeting.

BULBS and plants were exported  
from Amsterdam to the United States  
in 1910 to the value of \$107,039, and  
in 1911, \$100,913. Garden seed amount-  
ing to \$142,988 in 1910 and \$142,779  
in 1911 were also received in this  
country from Amsterdam.

NEBRASKA growers state the sweet  
corn acreage is somewhat limited this  
season compared with recent years on  
account of the high prices of all farm  
products, especially field corn and  
small grain, the farmers being able to  
make more money feeding their grain  
than by growing sweet corn at the low  
prices the trade is willing to pay.

KENTUCKY dealers report that the  
blue grass harvest began June 6 and  
that the yield is better than was ex-  
pected. The weather is cool and clear  
and without question the Kentucky  
district will harvest the largest crop  
of blue grass seed ever known. Some  
jobbers are making prices as low as  
\$1.35 per bushel for wire acceptance.

MILWAUKEE, WIS.—S. G. Courteen is  
erecting an 8-story concrete ware-  
house adjacent to the Milwaukee road  
tracks between Lake street and South  
Water. The frontage on Lake street  
will be 150 feet, while the width on  
South Water will be only 12½ feet  
owing to the triangular shape of the

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale  
Trade Only.

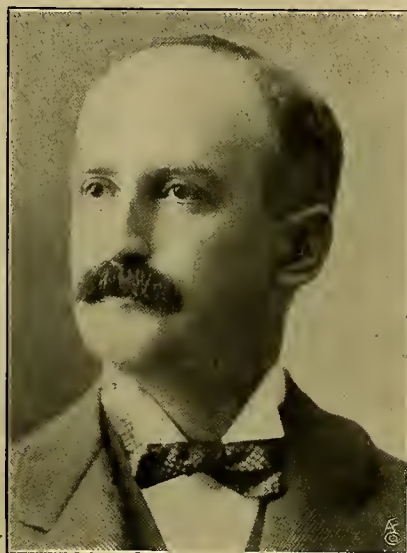
SAN JOSE,

CALIF.

site. The length of the building on  
the side near the tracks will be 300  
feet. Modern elevators designed for  
cleaning seeds will be installed and  
tank storage for 100,000 bushels will  
be provided. The building is to be  
ready for occupancy shortly after Jan-  
uary 1, 1913.

### French Bulbs.

French advices of May 25 inspired  
by the Syndicate for the Defense of  
Agricultural Interests claim that the  
members of that organization will ob-  
tain 20 francs for the Paper White  
Grandiflora narcissus and that white  
Roman Hyacinths are selling now at  
85 francs instead of 80, extra fancy  
lots bringing as high as 90 francs.  
Narcissus Grand Soleil d'Or is reported  
as hard to find. The syndicate au-  
thorities say they will expel those  
members who sell below the prices  
fixed.



Jesse E. Northrup.

One of the French jobbing houses  
suggests that American buyers be on  
guard against the exporting firms who  
are offering low prices, saying that  
such may be obliged to disappoint their  
customers in quality or unable to make  
deliveries.

### Northrup Retires.

Jesse E. Northrup, president of  
Northrup, King & Co., Minneapolis,  
Minnesota, after 28 years identification  
with one of the oldest and largest seed  
firms in the United States, last week  
completed sale of a large portion of his  
holdings in the corporation to C. C.  
Massie, secretary and general manager,  
and other heads of the departments  
who for many years have been con-  
nected with the business.

With the transfer Mr. Northrup  
gives up active management, and Mr.

## Pieters-Wheeler Seed Company

Growers of  
High Grade  
SEED

Hollister,  
California



Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.

Correspondence  
Solicited.

Massie will assume charge. The sale  
also marks the advancement of others  
connected with the firm. Mr. Northrup  
will remain president of the company,  
and Preston King, active with Mr.  
Northrup in establishing the business,  
will continue as treasurer. The sale  
marks the taking up of responsibility  
by younger men. Ill health which  
compels relief from business burdens  
is the cause of the change.

The business was started in 1884,  
occupying at that time the ground  
floor and basement of a small building  
near the old Suspension bridge. Bridge  
square was then the principal retail  
district of the city. The corporation  
now occupies a 5-story building at  
Hennepin avenue and First street, with  
75,000 square feet of floor space; has  
three other large warehouses, one at  
724-26-28 First street north, two others  
at St. Louis Park, and in addition uses  
large outside storage space.

Mr. Massie, who takes active charge  
of affairs, has been identified with the  
company for 20 years, and others for  
periods of 10 to 15 years.

### The Late Jerome B. Rice.

The late Jerome B. Rice, whose  
death is recorded elsewhere in this is-  
sue, affords a striking example of the  
physical handicap a man of energy,  
fixed purpose and ambition may over-  
come. All that man may accomplish  
in this world was his. Practically  
helpless in his chair over a quarter  
century, he built up an industry cer-  
tainly among the greatest of its kind  
on the continent. But all this is mere-  
ly the outward, the commercial, the  
less important part of a man's life  
work. Jerome, as he was familiarly  
known to hundreds of the leaders in  
the American seed trade, was one who  
bore his trying infirmities with rare  
fortitude and cheerfulness, the spirit  
of the man ever rising out of its frail  
prison in his work, his play or his  
friendships. In meeting Jerome B.  
Rice one soon forgot utterly the frail  
body in his vivacity, the great and  
kindly mind and heart which found ex-  
pression in his manner, conversation  
and those glorious eyes.

The personality of Jerome B. Rice  
will long remain a fragrant memory to  
his many associates. In his home  
there was an ideal atmosphere of good  
fellowship and hospitality, abounding  
alike in himself and his family. A re-  
markable man has passed away.

Established 1810.

## Denaffe & Son,

CARIGNAN, NORTHERN FRANCE,  
Growers on Contract  
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Let-  
tuce, Onion, Parsley, Radish, Rutabaga, Turnip.  
Sole Agent for U. S. and Canada,  
CHARLES JOHNSON, Marietta, Pa.

## VICK QUALITY SEEDS PLANTS BULBS

ASK FOR WHOLESALE CATALOGUE.

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

# John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Established 1911.

# Richard Diener & Co.

PLANT AND SEED GROWERS

Geraniums ORIGINAL NOVELTIES Carnations

Nursery: Alviso Road. Mountain View, California, U. S. A.

# GLADIOLI

Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Brenchleyensis, Etc. Lilies, Summer Flowering Bulbs and Hardy Plants.

E. S. MILLER, Wading River, N. Y.

# TOMATO SEED

Best Stocks. All Varieties.

# THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

# THE G. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

## High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Filint and Dent Seed Corn

Mention the American Florist when writing

# Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son, PEDRICKTOWN, N. J.

# Japanese Lilies

Spec. Album, 9 in.-11 in. per 100..\$13.00  
" Rubrum, 9 in.-11 in. per 100.. 9.00  
" Melpomene, 9 in.-11 in. per 100.. 9.50  
Tuberoses, Double, pearl, 4 in.-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants and Growers.

114 Chambers Street, NEW YORK, N. Y.

Mention the American Florist when writing

# Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

# Asparagus Plumosus Plants

2½-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA

BEANS, PEAS, RADISH and all Garden Seeds

# LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE Write for Prices.

# Lily of the Valley from Cold Storage

Order Now for June Weddings

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

Mention the American Florist when writing

# A Representative IN EUROPE.

Our Mr. Carl Cropp will visit Continental Growers in July and August in our Seed, Bulb and Plant interests. Customers who already have or expect to place import business with us under special instructions are invited to correspond with us now.

Vaughan's Seed Store, CHICAGO.

# Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey. Correspondence Solicited.

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GET QUOTATIONS FROM

# LANDRETH

SEEDS which SUCCEED

Bloomdale Farm. Bristol, Pa.

Mention the American Florist when writing

# Henry Fish Seed Co.

## Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

QUALITY SEED BULBS PLANTS  
SEND FOR CATALOGUE  
ARTHUR T. BODDINGTON  
342 West 14th St., New York.

Send Advertisements Early For Best Results.

# Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, - - Oklahoma

# S. M. Isbell & Co.,

Jackson, Mich

CONTRACT SEED GROWERS,

Bean, Cucumber, Toma'o, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

# Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:

Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

# J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and Ellicott Sts., Baltimore, Md.

# ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

# ROEMER'S Superb Prize PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award International Exhibition, Dusseldorf, 1905. Catalogue free on application.

FRED. ROEMER, Seed Grower, Quedlinberg, Germany

Mention the American Florist when writing

# THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Mention the American Florist when writing

# HYDRANGEAS

## For July and August Flowering

We have a large stock of very fine plants, well budded, which will flower during July and August. These plants are in the very best possible shape, and will be in perfection at the time when they are most in demand for the decoration of summer resorts, watering places, etc. Plants in new cedar tubs, 14-inch diameter, \$3.00 to \$4.00 each, according to size. If furnished in common butter tubs, \$1.00 each less. Extra large specimens in half barrels, \$5.00 to \$7.50 each.

## PHOENIX ROEBELENI

Hardest and finest palm for summer decoration—ironclad. Fine specimens, 12-inch pots, \$5.00 each.

### Large Specimen Ferns

We have a magnificent stock of exceptionally fine *Nephrolepis* in the following varieties, viz.:

- Elegantissima*, 12-inch pots, extra fine specimens, \$4.00 to \$6.00 each.
- Harrisii*, extra choice form of *Bostoniensis*. Extra fine specimens, 12-inch pots, \$7.50 to \$10.00 each.
- Bostoniensis*, 10-inch pots, extra fine specimens, \$2.50 to \$3.00 each.
- Glattasi*, 10-inch pots, extra fine specimens, \$3.00 each.
- Scottii*, 10-inch pots, extra fine specimens, \$2.50 each.
- Elegantissima Compacta*, 6-inch pots, 50c each.
- Elegantissima*, 8-inch pots, \$1.00 each.
- Viridissima*, 10-inch pots, \$2.00 to \$3.00 each.

### Surplus Bedding Stock

- CANNAS**, strong pot-grown plants, 4-inch pots, *Pierson's Premier*, *Beaute de Poitevine*, *Rohallion*, *Florence Vaughan*, *Souv d' Antoine Crozy*, *Robt. Christie*, *Mile. Berat*, etc., \$6.00 per 100.
- Crotons**, best assorted varieties, 5 and 6-inch pots, \$6.00, \$9.00 and \$12.00 per dozen.
- Vincas**, variegated, fine plants, 3½-inch pots, for vases and boxes, \$10.00 per 100.
- GERANIUMS**, strong plants, 4-inch pots, *Double Gen. Grant*, *Trego*, *Jean Viaud*, and other assorted varieties, \$8.00 per 100.
- Abutilon Savitzii*, 2¼-inch pot, \$4.00 per 100.
- Ageratum*, blue and white, 2¼-inch pots, \$4.00 per 100.
- Asparagus Plumosus Nanus*, 2¼-inch pots, \$4.00 per 100.
- Nasturtiums*, 4-inch pots, \$4.00 per 100.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

Mention the American Florist when writing

# CHRYSANTHEMUMS

## FROM SAND FOR IMMEDIATE DELIVERY

| PINK.           |         | CRIMSON.                        |         | WHITE.        |         |
|-----------------|---------|---------------------------------|---------|---------------|---------|
| R. C.           | per 100 | R. C.                           | per 100 | R. C.         | per 100 |
| Gloria          | \$2 50  | Pockett's Crimson               | \$2 50  | Lynwood Hall  | 2 50    |
| Amorita         | 2 50    | Schrimpton                      | 2 50    | Alice Byron   | 2 00    |
| Dr. Enguehard   | 2 50    | Intensity                       | 2 00    | Touset        | 2 00    |
| Pacific Supreme | 2 00    | <b>YELLOW.</b>                  |         | October Frost | 2 00    |
| Balfour         | 2 00    | <i>Crocus</i> , the best yellow | \$4 00  |               | 15 00   |
|                 |         | Halliday                        | 2 00    |               |         |
|                 |         | Maj. Bonnaffon                  | 2 00    |               |         |

The above varieties of 'Mums FROM SOIL, \$4.00 per 1000 additional.

**J. D. THOMPSON CARNATION CO., Carnation Specialists, Joliet, Ill.**

Mention the American Florist when writing

## AFTER DECORATION DAY

you have empty houses. Will it pay you to keep them empty? Consider and think what will pay you best. I will help you and tell you there is nothing more profitable than a few benches of Asters. In August you can cut them already, and what then? It gives you ample time to fill your benches again for Fall and Christmas trade with Ferns, Begonias, Primulas, Cyclamen, Poinsettias, etc. We are well prepared with the best varieties of Asters in 2½ in. pots and quote you *Crego Asters* in white, rose and pink. *Simple's lavender*, *Vick & Hill's late branching pink*, \$3.00 per 100; mixed all colors, \$2.50 per 100. We also have large **SEEDLINGS big enough to replant on benches direct**, *Vick & Hill's late branching pink*, *Vick & Hill's late branching rose*, *Vick & Hill's new early branching rose*, *Crego rose*, *Crego giant pink*, \$1.50 per 100; \$12.50 per 1000.

**Godfrey Aschmann,**  
1012 W. Ontario St., PHILADELPHIA, PA.

## Lilium Harrisii

HERE are conditions, and they occur not infrequently, under which all lily bulbs fail to make good flowering plants. There may be, probably are, more difficulties attending the growing of *Lilium Harrisii* bulbs than most forcing varieties, and yet those who do them well have found the early blooms very profitable. In many parts of the south where this bulb has been grown over a longer season and without the overforcing sometimes imposed on the plants, *Harrisii* has given most satisfactory returns. We are contracting, subject to crop conditions, a select strain of **Well Grown Bulbs of Lilium Harrisii**

Sizes: 5 to 7; 6 to 7; 7 to 9 and upwards

Write for our **IMPORT LIST FOR FLORISTS** Now Ready.

All Lily Bulbs from all the World at Right Prices

**VAUGHAN'S SEED STORE, Chicago—New York**

**Budding Knife Free. See Page 1283.**



# Fall Forcing Bulbs



**Roman Hyacinths,  
Narcissus P.W. Grandiflora,  
Lilium Harrisii,  
Japanese Lilies,**

**Forcing Valley, Callas, Freesias and picked bulbs of all Dutch Hyacinths, Tulips and Spirea.**



N. B.—We are advised that the crop is none too good; some bulbs are diseased. Buy now. We have a supply from reliable growers. **Write us.**



**VAUGHAN'S SEED STORE,  
CHICAGO NEW YORK**

## BEDDING STOCK

Our stock of Bedding Plants is second to none in Central Illinois. Write us your wants. Ask for our circulars of Soft Wooded Stock, Ferns, Roses, Cannas, Chrysanthemums, and Blooming Stock for Spring.  
**Hydrangeas**, in bloom, 4-in., \$12.50 per 100; 6-in., 75c; 7-in., \$1.00.  
**Gloxinias and Tuberous-rooted Begonias**, in bloom, 5-in., 25c.  
Our terms are Cash; our guarantee is to give you satisfaction. Write or wire us.

**GEO. A. KUHL, PEKIN, ILL.**

Wholesale Grower to the Trade.

Cut Flowers and Designs shipped to any part of the Country.

## AMERICAN BEAUTIES

3-in., at \$80.00 per 1000.  
**Killarney**, 3-in., at \$55.00 per 1000  
**Safrano**, 2-in., at \$35.00 per 1000  
**Rose Queen**, 3-in., at \$120.00 per 1000, the most beautiful pink rose.

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

## Am. Beauties

Choice 2½ inch, \$5 per 100; \$45 per 1000



## Smilax

Strong 2¼-in. Pots, \$15 00 per 1000.

**W. W. Coles, Kokomo, Ind.**

## Winter and Spring Price List Ready

Send for copy. Contains some attractive offers.

### Roses.

Ramblers, Hybrid Teas, Hybrid Perpetuals, Dwarf Polyanthas, Standards and Half Standards.

### Rhododendrons.

18-24 inches, well budded, named varieties, forcing stock, as well as kinds for outdoors, \$40.00 per 100.

**Lily of the Valley.** Just a few cases. Best three-year crowns, 2,500 to the case, at \$35.00 per case to close out.

**TELL US YOUR WANTS.**

## Jackson & Perkins Company,

Nurserymen and Florists (Wholesale only), Newark, Wayne Co., New York

*Mention the American Florist when writing*

## Bench Rose Plants == Grafted

Pink and White Killarney, 2-year-old stock.

\$50.00 per 1000. Now ready for shipment.

**BASSETT & WASHBURN, Hinsdale, Ill.**

*Mention the American Florist when writing*

## Roses, Cannas, Shrubs

Ask for New Price List

**THE CONARD & JONES CO.**

WEST GROVE, PA.

*Mention the American Florist when writing*

## DAHLIAS

The best New and Standard varieties. Send for Wholesale Price List.

**BASSETT & WELLER**

HAMMONTON, N. J.

*Mention the American Florist when writing*

## Market Gardeners

**Vegetable Growers' Association of America.**

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Saverance, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

**Prices of Indoor Fruits and Vegetables.**

Chicago, June 10.—Mushrooms, 30 cents to 50 cents per pound; lettuce, 7½ cents to 10 cents, small cases; cucumbers, 35 cents to 50 cents per dozen.

New York, June 8.—Mushrooms, \$1 to \$3 per 4-pound basket; cucumbers, 50 cents per dozen, \$1 to \$3 per box; tomatoes, 8 cents to 15 cents per pound; cauliflower, \$1.50 to \$2 per dozen.

**Setting Alfalfa Plants with a Machine.**

Prof. N. E. Hansen of Brookings, South Dakota, who has brought in so many hardy plants from Siberia for the United States Department of Agriculture, sends to Secretary Wilson an interesting letter with regard to his new idea of transplanting alfalfa by machinery instead of sowing the seed. He plants them at the rate of 6,000 plants per hour. Prof. Hansen says: "I took a three weeks' tour this spring with two assistants and transplanted a number of acres by this new method, using the machine at Redfield, Lemmon, McIntosh, Ipswich, Eureka and Big Stone. Plants were set with a plow at Faith, Sansarc and other points, favoring mainly the dry western and northwestern parts of the state. I believe this will be a way of doing away with dodder and injury from discing. I see no need of injuring plants that should last several centuries by mutilating them with a disc and harrow, and 20 pounds per acre means 100 plants per square foot. Some of these Russian alfalfa plants had 500 shoots from one crown when given room in the garden.

"Over twelve hundred farmers are now co-operating with me in testing these new plants and I am getting many fine reports showing remarkable resistance to the extreme drouth of last year, when no crops were raised, and the plants are coming in fine shape this spring. The common alfalfa is acknowledged generally to be a failure on high, dry uplands in the western part of the state, and this upland region in our prairie northwest is the country I hope to cover with these new alfalfa plants.

"This machine transplanting I have had in mind for over a year, so I thought I would get at it this spring before anybody else would happen to think of it. I claim no originality for it except that I have combined Oriental methods with an American machine, one of the machines commonly used for tobacco, cabbage, cauliflower and tomatoes. At present I am only speaking of it from the seed-raising standpoint, but believe it will work out also from the storage standpoint.

"On a large area of this western country farmers have had no crop for two years so they are looking anxiously for something of a perennial nature that will be independent of surface conditions. Farmers feel that, it is uncertain to place their main dependence on annual plants like wheat."



Watch for our Trade Mark stamped on every brick of  
**Pure Culture Mushroom Spawn**  
 Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address  
 Trade Mark. American Spawn Co., St. Paul, Minn.

Mention the American Florist when writing

## CANNAS

|                                                         |      |        |
|---------------------------------------------------------|------|--------|
| King Humbert, a foot high; fine plants out of 3-in..... | Each | Doz.   |
| Mont Blanc, Improved, 4-in.....                         | 25c  | \$2.50 |
| Wm. Sanders, 4-in., extra large                         | 25c  | 2.50   |

20 Other Varieties in 3-in. pots.  
Send for list.

**The Cedar Hill Gardens,**  
Sea Cliff, L. I., N. Y.

Long Distance Phone. Cash with order, please.

Mention the American Florist when writing

# Surplus Roses

Send for Stock List and Prices.



## Cold Storage Bulbs

**Lilium Auratum.**  
8 to 9.....per 1000, \$50 00

**Lilium Giganteum.**  
7 to 9 in., 300 to case...per 1000, \$65 00

**Valley Pips.**  
London Market.....per 1000, \$15 00  
Premium Brand.....per 1000, 13 00

**Vaughan's Seed Store,**  
CHICAGO. NEW YORK.

## POT GROWN ROSES

Extra strong 2½-in. stock. Ready for immediate delivery.

| Own Roots    |          | Grafted |        | Own Roots |                 | Grafted |         |
|--------------|----------|---------|--------|-----------|-----------------|---------|---------|
|              | Per Doz. | Per 100 | Doz.   | Per 100   | Per Doz.        | Per 100 | Doz.    |
| Killarney    | \$0.85   | \$ 6.00 | \$2.00 | \$15 00   | Killarney Queen | \$6.00  | \$25.00 |
| Double Pink  | 2.50     | 12.00   | 3.00   | 20.00     | Mrs. Aaron Ward | 1.50    | 10.00   |
| White        | 1.00     | 7.00    | 2.00   | 15.00     | My Maryland     |         | 2.00    |
| Double White | 6.00     | 25.00   | 7.50   | 30.00     |                 |         | 15.00   |

Write for prices on other varieties.

## VAUGHAN'S SEED STORE,

Mail Address: P. O. Drawer V, CHICAGO.  
Wire Vaughan's Greenhouses, Western Springs, Ill.

# ROSES LAST CALL

**We Need the Space They Occupy.**

|                                     |                                  |
|-------------------------------------|----------------------------------|
| American Beauties, 2¼-inch.....     | \$1.00 per 100; \$35.00 per 1000 |
| Double Pink Killarney, 2¼-inch..... | 4.00 per 100; 35.00 per 1000     |
| White Killarney, 2¼-inch.....       | 4.00 per 100; 30.00 per 1000     |
| Pink Killarney, 2¼-inch.....        | 4.00 per 100; 30.00 per 1000     |
| Mrs. Jardine, 2¼-inch.....          | 4.00 per 100; 30.00 per 1000     |

**Notice LOW PRICES for Good Stock.**

## J. A BUDLONG, 82-86 E. Randolph St., Chicago

TO THE TRADE

## HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

**SPECIALTIES:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Glorinas, Larkspur, Nasturtiums, Paeonies, Petunias, Phloxes, Primulas, Scabions, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed),** the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.



# Chrysanthemums

STRICTLY FIRST-CLASS STOCK.

Amorita, L'Africane, Blackhawk, Mrs. H. W. Buckhee, Major Bonnalton, White Bonnalton, John Burton, Comoleto, Winter Cheer, Pickett's Crimson, Diana, Maud Dean, Wm. Duckham, Donatello, Dr. Enguehard, Yellow Eaton, Helen Frick, Lillie Godfrey, Golden Glow, Robert Halliday, Ivory, Yellow Ivory, Pink Ivory, Mrs. O. H. Kahn, Mrs. W. E. Kelley, Klondike, Mourvina, Vivian Morel, Nagoya, Glory of Pacific, Rufus, Chas. Razer, Polly Rose, Mrs. H. Robinson, Pacific Supreme, Clementine Touset, Yellow Touset, Yellow Frost, Lida Thomas, Venetta, Mayor Weaver, Hilda Wells, Yonoma.

From 2-in. pots, \$3.00 per 100, \$25.00 per 1000.  
 Rooted Cuttings, \$2.50 per 100, \$17.50 per 1000.  
 W. H. Chadwick, Golden Chadwick, Chadwick Improved, White Helen Frick, Glenview, Lynwood Hall, Convention Hall, Intensity, Patty, Pres. Roosevelt.  
 From 2-in. pots, \$4.00 per 100, \$35.00 per 1000.  
 Rooted Cuttings, \$3.00 per 100, \$22.50 per 1000.

## Varieties of 1911.

Smith's Advance, the earliest white.  
 Unaka, the best large early pink.  
 Dick Witterstaetter, a fine crimson for late October.  
 Roman Gold, an intense yellow for early November.  
 Thanksgiving Queen, an extra early large reflexed white.  
 From 2-in. pots, \$5.00 per 100, \$45.00 per 1000.  
 Rooted Cuttings, \$4.00 per 100, \$35.00 per 1000.  
 Chrysolora, the largest and best yellow for October 15th.  
 From 2-in. pots, \$10.00 per 100, \$90.00 per 1000.  
 Rooted Cuttings, \$8.00 per 100, \$75.00 per 1000.

Also a very complete stock of Exhibitions.

Not less than 25 of a kind at 100 and 250 at 1000 rate.  
 Those desiring less than 25 plants of a kind will be quoted on application.  
 No order for Rooted Cuttings accepted for less than 25 of a kind.  
 For type, color and flowering season, refer to our 1912 catalogue.

**Elmer D. Smith & Co.**  
 ADRIAN, MICH.

# ROSE STOCK

American Beauty.

\$10.00 per 100; \$90.00 per 1000.

Rose Queen and Lady Hillingdon.

\$20.00 per 100; \$150.00 per 1000.

Bon Silene.

\$6.00 per 100; \$50.00 per 1000.

Killarney and Richmond.

\$8.00 per 100; \$70.00 per 1000.

Sunburst.

\$30.00 per 100; \$250.00 per 1000.

All the above are splendid 3 and 4 in. stock.

# Chrysanthemums

All good Commercial Varieties, ready for immediate delivery.

**CHAS. H. TOTTY, Madison, N. J.**

# PALMS, FERNS

AND

Decorative Plants

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

# LOOK! BARGAINS IN Bedding Plants

**Cannas**, Alphonse Bouvier, Florence Vaughan, Mme. Crozy, Pennsylvania, Queen Charlotte, \$7.00 per 100, and 10 other fine varieties.  
**Hardy or English Ivy**, made up of 3 plants, 4-in., 10c; 5-in., 15c.  
**Ageratum**, dwarf, best blue, 4 in., in bloom, \$7.00 per 100; 3-inch, \$8.00 per 100.  
**Lantanas**, assorted, 4-in., \$7.00 per 100.  
**Geraniums**, S. A. Nutt, 2½-in., \$4.00 per 100; Alphonse Ricard, Buchner (white), Jean Viaud, 3-in., \$5.00 per 100.  
**Ivy Geraniums**, 4-in., \$7.00 per 100.  
**Cosmos**, assorted colors or separate, 3 plants in a pot, \$5.00 per 100.  
**Honeysuckle**, sweet-scented Halleana, 4-in., 10c; 5-in., 15c each  
**Clematis Paniculata**, 5½-in. pots, 15c to 20c each  
**Ampelopsis Veitchii**, 30-in. high, 4-in., 15c each  
**Cobea Scandens**, 4-in., 20c each  
**Shasta Daisies**, best white large-flowering hardy daisy, 2½-in., \$5.00 per 100.  
**Asparagus Plumosus**, 2½-in., \$25.00 per 1000, \$3.00 per 100; 3-in., \$5.00 per 100.  
**Asparagus Sprengeri**, 4-in., 10c; 3-in., 4c.  
**Araucaria Excelsa**, April, 1911, importation raised from top cuttings, 6-7 in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.  
**Araucaria Excelsa Glauca and Robusta Compacta**, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.  
**Araucaria Excelsa**, new importation, arrived per steamer Lapland, in fine condition, out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.  
**Kentia Belmoreana**, 4 year old, 30 to 35 inches high, \$1.50.  
**Kentia Forsteriana**, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.  
**Kentia Forsteriana**, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.  
**Kentia Belmoreana**, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.  
**Kentia Belmoreana**, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.  
**Kentia Belmoreana**, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.  
**Kentia Belmoreana**, 4-in., 25: 5½-in., 50c.  
**Kentia Belmoreana**, 8-in. pots, made up of 4 plants, \$2.00. A big bargain.  
**Kentia Forsteriana**, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.

**Kentia Forsteriana**, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00 each.  
**Cocos Weddelliana Palms**, made up of 3 plants, 4 to 5 in. pots, 30c to 40c; 3-in., 15c.  
**Areca Lutescens Palms**, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.  
**Aspidistras**, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf.  
**Cuphea Australis**, 5-in. pots, 20-in. high, 35c.

## Ferns.

**Neph. Cordata Compacta**, 4-in., 20c; 3-in., 15c.  
**Neph. Whitmani**, 5½ to 6-in. pots, 35c, 40c and 50c.  
**Fern Balls**, just arrived from Japan, large size, dormant, 25c (worth 50c).

## In Small Plants

we have the following in 2½ to 3-in. pots, at \$3.00 per 100:

**Verbenas**, assorted colors, \$2.00 per 100.  
**French dwarf Tagetes** (the queen of the Marigolds).  
**Phlox Drummondii**, dwarf, pure white, valuable for cut flowers, 2½-in. pots, \$3.00 per 100; Grandiflora and Dwarf, assorted colors, 2½-in., \$3.00 per 100.  
**Coleus**, fancy leaved, 2½-in. pots, \$4.00 per 100; 3½-in., \$7.00 per 100.  
**Sweet Alyssum**, Carpet of Snow or Little Gem  
**Thunbergia**, or Black Eyed Susan.  
**Lobelia**, Crystal Palace, blue, dwarf.  
**California Giant Petunia** 3-in., \$5.00 per 100.  
**Petunias**, Rosy Morn and Inimitable, striped, 2½ in., \$3.00 per 100.  
**Torenia Fournieri**, 2½-in., \$3.00 per 100.  
**Nasturtiums**, dwarf, for window boxes 4-in., \$5.00 per 100; 3-in. 3 plants in a pot, \$3.00 per 100.  
**Asters**, 5 separate colors, 2½-in., 3c; Crezo, white, pink and rose, 2½-in. pots, \$3.00 per 100.

Now is the time for planting Moonvine. Don't forget that we are the growers and shippers of **Ipomea Noctiflorum**, the pure white Moonvine, with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years; grows 50 feet and over in one season; over 25,000 are shipped every spring all over America, south, north, west and east. Mexico and Cuba, 2½-in. pots, \$5.00 per 100; 3-in., \$8.00 per 100; 4-in., \$12.00 per 100.  
 Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

# GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.



## Special Prices on

# BAY TREES

Every florist should have some of these on hands for decorating purposes. Nothing is more handsome and effective.

| Diam. Crown  | Height of Stem | Planted in tub | Planted in Mission Plant Box |
|--------------|----------------|----------------|------------------------------|
| 18 to 20 in. | 24 in.         | \$4.00 each    | \$ 5.75 each                 |
| 24 to 26 "   | 36 to 40 "     | 6.00 "         | 9.00 "                       |
| 28 to 30 "   | 36 to 40 "     | 7.75 "         | 10.50 "                      |
| 32 to 36 "   | 36 to 40 "     | 10.00 "        | 14.00 "                      |
| 38 to 40 "   | 36 to 40 "     | 11.50 "        | 16.00 "                      |
| 42 to 44 "   | 36 to 40 "     | 16.00 "        | 20.00 "                      |
| 46 to 48 "   | 36 to 40 "     | 20.00 "        | 25.00 "                      |

Order your Bay Trees planted in Mission Boxes as they do not blow over as easy as when planted in round tubs. We always ship these by freight unless otherwise instructed. They can be shipped with perfect safety most any time of the year; order today and get the good of them this season.

We can also supply Boxwood in Pyramid, Bush or Standard. State size wanted.

# Wagner Park Conservatories

Sidney, Ohio

SEND ADVERTISEMENTS EARLY FOR BEST RESULTS

## The Nursery Trade

**American Association of Nurserymen**  
 J. H. Dayton, Painesville, O., President;  
 W. H. Wyman, North Abington, Mass., Vice-  
 President; John Hall, Rochester, N. Y., Sec'y.  
 Thirty-seventh annual convention to be  
 held at Boston, Mass., June 12-14, 1912.

R. A. REEVES of Lake View Nur-  
 sery says Cleveland wants next year's  
 peony show.

SANTA CRUZ, CALIF.—The members  
 of the State Horticultural Society visit-  
 ed the nursery of Thomas Thompson,

THE first carload shipments of  
 Greenboro peaches from Hutchinson  
 County, Texas, were made June 10 this  
 season.

### American Association of Nurserymen.

The thirty-seventh annual conven-  
 tion American Association of Nursery-  
 men opened at Boston, Mass., June 12.  
 About 300 members were in attend-



President J. H. Dayton.  
 American Association of Nurserymen.

ance, including Guy A. Bryant, Belle-  
 ville, Ill.; Col. C. L. Watrous, Des  
 Moines, Ia.; John H. Dayton, Paines-  
 ville, O.; John Chase Derry, N. H.;  
 Orlando Harrison, Berlin, Md.; F. W.  
 Watson, Topeka, Kans.; J. Horace Mc-  
 Farland, Harrisburg, Pa.; C. J. Maloy,  
 Rochester, N. Y.; Joseph E. Neehan,  
 Dresher, Pa.; W. P. Stark, Louisiana,  
 Mo.; J. C. Van Lindley, Pomona, N. C.;  
 J. Woodward Manning, North Wil-  
 mington, Mass.; H. G. Wyman, Lynn,  
 Mass.; J. E. Field, Fremont, Neb.

President John H. Dayton in his an-  
 nual address advocated putting surplus  
 stock on the brush pile instead of seek-  
 ing by cut prices or surplus lists to  
 dispose of it and thus demoralize the  
 market. He was much applauded.

Secretary Hall in annual report re-  
 ferred feelingly to the death of A. F.  
 Heikes of Huntsville, Ala., W. H. Moon  
 of Morrisville, Pa., and Norman J.  
 Coleman of Missouri. The convention  
 rose and stood in silence for 30 seconds  
 as a mark of respect to the deceased

members. The treasurer's report  
 showed balance on hand of over \$5,000.  
 Reports were read of committees on  
 transportation and on co-operation  
 with entomologists.

Committees appointed: Resolutions  
 —J. W. Hill, Des Moines, Ia.; John  
 Chase, Derry, N. H., and L. A. Berck-  
 mans, Augusta, Ga. Auditing—John  
 Watson, Newark, N. Y.; W. C. Reed,  
 Vincennes, Ind., and W. L. Hart, New  
 York.

In the afternoon the convention vis-  
 itors were taken on a ride through the  
 Arnold Arboretum, Franklin Park and  
 the boulevards.

Many buttons are worn booming  
 Portland, Oregon, for the next meeting.

## LARGE TREES

OAKS and MAPLES  
 Pines and Hemlocks

### ANDORRA NURSERIES,

Wm. Warner Harper, Prop.  
 Chestnut Hill, PHILA., PA.

## THE Storrs & Harrison Co.

PAINESVILLE NURSERIES  
 CATALOGUES AND PRICE LISTS  
 FREE ON APPLICATION

PAINESVILLE, - OHIO

## Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
 Carnations for fall delivery. Smilax, Violets  
 IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL New York

## How about that FALL order for ARBOR VITAE PYRAMIDALIS and BALSAM FIR?

THE FARMERS NURSERY CO. of Trcy, Ohio,  
 are propagators of the finest specimen Evergreens  
 in this country.

A card will bring you their circular.

Mention the American Florist when writing

## TREES

Both Ornamental and Fruit,  
 at bottom prices, to the trade  
 or to planters.

## The Best Grafts

Both of Apple and Pear,  
 we make to order for the trade.

## BARNES' NURSERIES,

57 Years' Experience. Once a  
 customer you will stay with us.

Sta. K, CINCINNATI, O.

Mention the American Florist when writing

## B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens,  
 Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots,  
 Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only  
 a few minutes from New York City: Carlton Hill station is the second stop  
 on Main Line of Erie Railroad.

## BOBBINK & ATKINS

Nurserymen and Florists. RUTHERFORD, N. J.

# HYDRANGEAS

## FOR SUMMER FLOWERING.

A splendid lot of retarded plants, in good, green tubs.



### OTAKSA.

|                        |               |        |
|------------------------|---------------|--------|
| 11-inch pail-tubs      | 5 to 6 leads, | \$1.00 |
| 12-inch Riverton tubs, | 8 to 10 "     | 2 50   |
| 14-inch " " "          | 10 to 12 "    | 3.50   |

### Jeanne d'Arc.

White flowering, an improvement on Thos. Hogg.

|                    |               |                |
|--------------------|---------------|----------------|
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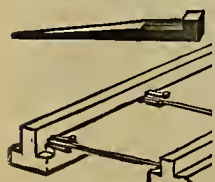
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Quaker City Machine Works,  
Richmond, Ind



**SPLIT CARNATIONS**

Quickly, easily and cheaply Mended. No tools required.

**Pillsbury Carnation Staple**

Patented 1908.  
2000 for \$1.00 postpaid,  
**I. L. PILLSBURY**  
Galesburg, Ill.



No loss if you mend your split carnations with Superior Carnation STAPLES

50c per 1000 postpaid.

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422 Main St., Springfield, Mass.



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THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

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**AMERICAN FLORIST CO.**  
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CHICAGO.

# Ready Reference Section.

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## ALTERNANTHERAS.

Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

Alternantheras, red and yellow, 2 1/4-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

## AMPELOPSIS.

Ampelopsis Veitchii, 3-year-old, \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

## ARAUCARIAS.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechslein, 4911 Quincy St., Chicago.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 4-in., 6 to 8 ins., case lots of 50 and 100 each, \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

## ASPARAGUS.

Asparagus plumosus nanus, from 2 1/4-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, prop., Catham, N. J.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus, 2 1/2-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. Sprenger, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus nanus, 2 1/4-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. Sprenger, 2 1/2-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprenger, 2 1/2-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2 1/2-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Asparagus Sprenger, 2,000 3-in., \$3 per 100. August Erickson, 3437 Foster Ave., Chicago. 'Phone Ravenswood 250.

Asparagus plumosus, 3 1/2 in., \$7 per 100. Calvert Floral Co., Lake Forest, Ill.

Asparagus Plumosus, \$2.50 per 100; \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus and Sprenger, 3-in., \$5.50 per 100. Goshen Floral Co., Goshen, Ind.

## ASTERS.

Asters, large seedlings, as good as transplanted. Vick's late branching, white, pink, rose and lavender, 50c per 100; \$5 per 1,000. Edw. Doege Co., 4344 N. Springfield Ave., Chicago, Ill.

## AZALEAS.

Azalea Mollis, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

## BAY TREES.

BAY and BOX TREES. Fine assortment. State size wanted. Wagner Park Conservatories, Sidney, O.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Witthold Co., 739 Buckingham Pl., Chicago.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay Trees. Bobbink & Atkins, Rutherford, N. J.

## BEDDING PLANTS.

Bedding plants. Abutilon Savitzi; Acalypha macafeana; Achyranthus Emersoni; ageratum, 7 varieties; Begonia Vernon; Cuphea platycentra; Cissararia Maritima candidissima; Cannas, assorted and King Humbert; Coleus, Brillancy and 11 standard varieties; Chrysanthemums, hardy pompons; Fuchsia, Göttingen and Marinka; hardy English ivy; Geraniums, ivy leaved, Mt. of Snow, Mrs. Pollock, Silver leaf Nutt, Sophie Dumaresque; Heliotrope Chieftain and Mme. Brunt; Lemon verbenas; moonvine, white and blue; petunias, dhl. fringed mixed; Sage Holts mammoth; Salvia Bonfire and Zurich; Senecio scandens, parlor ivy; Verbenas, 5 vars.; hardy phlox, 10 varieties. For sizes and prices see advertisement elsewhere in this issue. R. Vincent, Jr., & Sons Co., White Marsh, Md.

### CLOSING OUT TO QUIT BUSINESS.

300 2-in. S. A. Nutt, 2c.; 300 mixed Grant, Poitevine and others, 2-in.; 200 3-in. S. A. Nutt, 3c.; 200 3-in. mixed as above, 3c.; 400 4-in., mixed, 4c.; 50 6-in. Sprenger 12c.; 100 3-in. Sprenger, 5c.; 500 6-in. plumosus, 12c.; 500 2-in. Salleri, 2c.; 50 small 2-in. Scarlet Sage, 1c. 100 Asters, 3 colors, 1c. 200 3-in. Coleus, 3c. W. N. Tharp, Liberty, Ind.

Cosmos, 2 1/2-in., 25c per doz. Nasturtiums, 2 1/2-in., 25c per doz. Sweet williams, from soil, \$1 per 100. Rose geraniums, 3-in., 60c per doz. H. W. Allersma, Grand Rapids, Mich.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. The Geo. Witthold Co., 739 Buckingham Pl., Chicago.

Bedding stock. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Coleus, alternantheras, red and yellow; heliotrope, scarlet sage, lemon verbenas, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Bedding Stock of all kinds. Geo. A. Kuhl, Pekin, Ill.

## BEGONIAS.

Begonias. Lorraine, 2 1/2-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Turford Hall, Betty Anderson, La Patrie, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

Begonia Glory of Cincinnati, young shoots from base, \$15 per 100; \$140 per 1,000. J. A. Peterson, Cincinnati, O.

Begonias, Gloire de Lorraine and Glory of Cincinnati, \$2 per doz.; \$15 per 100; \$140 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gloire de Lorraine, 2 1/4-in., \$12.50 per 100; \$100 per 1,000. Erie Floral Co., Erie, Pa.

Rex Begonia, assorted, 3-in., \$5 per 100. The Dingee & Conard Co., West Grove, Pa.

## BIGNONIAS.

Bignonia Capensis (Tecoma Capensis) from nursery size for 5 and 6-in. pots, \$10 per 100. J. J. Soar, Little River Nurseries, Little River, Florida.

## BOXWOOD.

Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Bush box, 12 ins., 50c each; \$25 per 100. Storrs & Harrison Co., Painesville, O.

Boxwood, pyramidal, 4 to 5 ft. fine specimen, \$3.50 each; 3 to 4 ft. fine specimen, \$2.50 each. Cash. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Box trees. For prices and sizes see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Witthold Co., 739 Buckingham Pl., Chicago.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

## BULBS.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering, 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co. New York.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lilies. E. S. Miller, Wading River, N. Y.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. Begonias and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs. Surplus of L. Multiflorums, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

## CANNAS.

### CANNAS.

|                      |                      |
|----------------------|----------------------|
| 100 Allemania        | 50 David Harum       |
| 200 Chicago          | 50 Pres. Cleveland   |
| 50 Louisiana         | 100 Duke of Marlbor- |
| 100 Partenope        | orough               |
| 200 M. Berat         | 50 P. Marquette      |
| 100 Mme. Patry       | 50 Egandale          |
| 100 J. D. Cobas      | 50 New York          |
| 100 Florence Vaughan | 50 Black Beauty      |
| 25 A. Bonvier        | 100 Burbank          |
|                      | 50 Pres. McKinley    |

Extra fine 3-in., \$4 per 100; \$35 per 1,000. Cash. Jos. Bancroft & Son, Cedar Falls, Iowa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas. Duke of Marlborough, Burbank, \$2 per 100. Coronet, Florence Vaughan, \$1.50 per 100. A. S. Watkins, West Grove, Pa.

Cannas, leading kinds. Cedar Hill Gardens, Sea Cliff, L. I., N. Y.

**CARNATIONS.**

Carnations Brooklyn. Rooted cuttings, \$12 per 100; \$1 per 1,000; 250 at 1,000 rate. Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward. White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnation The Herald, \$12 per 100; \$100 per 1,000 Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. F. Dornier & Sons Co., La Fayette, Ind.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

**CHRYSANTHEMUMS.**

**CHRYSANTHEMUMS.**

|                                            |           |
|--------------------------------------------|-----------|
| Crimson, R. C. Per 100                     | Per 1,000 |
| Pockett's Crimson                          | \$2.50    |
| Intensity                                  | 2.00      |
| White, R. C. Per 100                       | Per 1,000 |
| Allice Byron                               | \$2.00    |
| Touset                                     | 2.00      |
| October Frost                              | 2.00      |
| Yellow, R. C. Per 100                      | Per 1,000 |
| Crocus                                     | \$4.00    |
| Golden Glow                                | 2.00      |
| Halliday                                   | 2.00      |
| Maj. Bonnaffon                             | 2.00      |
| Pink, R. C. Per 100                        | Per 1,000 |
| Pacific Supreme                            | \$2.00    |
| J. D. THOMPSON CARNATION CO., JOLIET, ILL. | \$15.00   |

ROOTED CUTTINGS out of Sand. Out Door Propagation. Ready to ship. Safe arrival guaranteed. WHITE, \$1.50 per 100; \$12.50 per 1,000; Early Chadwick, Kalb, White Cloud, Mile. Deafouis, Florence Pullman, Mrs. Buckbee, Silver Wedding, Lynwood Hall, Queen, Timothy Eaton, Yanoma. YELLOW, \$1.50 per 100; Monrovia, Halliday, Appleton, Golden Wedding. PINK, \$1.50 per 100; \$12.50 per 1,000; W. H. Simpson, J. Rosette. SINGLE SORTS: Cosmos, Pink; Lady Smith, pink, MEMPHIS FLORAL CO., 145 South Main St., Memphis, Tenn.

Chrysanthemum Cuttings, Yellow: Monrovia, Crema, Halliday, Bonnaffon, Whildin, White: Oct. Frost, Opah, Estelle. Pink: Pacific, Pacific Supreme, M. Bailey, \$1.25 per 100; \$12 per 1,000. White: Early Snow, Touset, Clay Frick, Nonin, Bonnaffon, S. Wedding, Dean. Pink: Duckham, Enguehard, Dean, \$1.75 per 100; \$15 per 1,000. Cash please. A. S. Watkins, West Grove, Pa.

CHRYSAANTHEMUMS—Rooted Cuttings. 1,500 Touset, 1,500 W. Ivory, 2,000 Mrs. David Syde, 2,500 Yellow Jones, 3,000 Allice Byron, 1,500 Pacific Supreme, 2,500 W. Bonnaffon, 1,500 M. Bonnaffon, 3,000 Rosette, 2,000 Baby (yellow), 2,000 Halliday, and others. Send for list. WILLIAM SWAYNE, Kennett Square, Pa.

Chrysanthemum cuttings, from sand and soil as follows: White—Estelle, Polly Rose, Oct. Frost, Ivory, Jeanne Nonin, Silver Wedding. Yellow: Golden Glow, Maj. Bonnaffon, Yellow Eaton. Pink: Glory Pacific, Pacific Supreme, Minnie Bailey, \$1.25 per 100; \$12 per 1,000, D. H. Green, Boonsboro, Md.

**CHRYSANTHEMUMS.**

|                                                          |         |           |
|----------------------------------------------------------|---------|-----------|
| Strong plants, 2 1/2-in. pots.                           | Per 100 | Per 1,000 |
| 4,000 Virginia Pochlmann                                 | \$3.00  | \$25.00   |
| 2,500 Golden Glow                                        | 3.00    | 25.00     |
| Chicago Carnation Co., 30 E. Randolph St., Chicago, Ill. |         |           |

Chrysanthemums. The best for florists' use. For list of varieties see advertisement elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, strictly first-class stock, White, Chadwick, Yellow Chadwick, White Jones and Yellow Jones, R. C., \$2.50; 2 1/2-in. pots, \$3.50 per 100. Otto J. Hembreker, Lincoln, Ill.

Chrysanthemums, leading kinds. Erie Floral Co., Erie, Pa.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Pochmann Bros. Co., Marlon Grove, Ill.

Chrysanthemums. Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vara. Wood Bros., Fishkill, N. Y.

**HEADQUARTERS CHRYSANTHEMUMS, ROOTED CUTTINGS OUT OF SAND AND SOIL.**

|              |         |
|--------------|---------|
| White.       | Per 100 |
| Early Snow   | \$2.50  |
| Mrs. Buckbee | 2.00    |
| Gloria       | 2.00    |
| Lynwood Hall | 2.00    |
| Touset       | 1.50    |
| White Ivory  | \$2.00  |
| Chadwick     | 2.50    |
| W. Bonnaffon | 1.50    |
| Yanoma       | 2.00    |

|                |      |
|----------------|------|
| Yellow.        |      |
| Golden Glow    | 1.50 |
| Monrovia       | 2.00 |
| Robt. Halliday | 2.00 |
| Col. Appleton  | 2.00 |
| Maj. Bonnaffon | 2.00 |
| Yellow Eaton   | 2.00 |
| Nagoya         | 1.50 |

|               |      |
|---------------|------|
| Pink.         |      |
| Roslere       | 1.50 |
| Pacific       | 1.50 |
| Monogram      | 1.50 |
| Gloria        | 2.00 |
| Ivory         | 2.00 |
| Marion Newell | 2.00 |
| Dr. Enguehard | 2.00 |
| J. Rosette    | 1.50 |
| Red.          |      |
| Intensity     | 1.50 |

**POMPONS.**

|               |      |
|---------------|------|
| White.        |      |
| Baby Margaret | 2.00 |
| Diana         | 2.00 |
| Garza         | 2.00 |
| Lulu          | 2.00 |

|         |      |
|---------|------|
| Yellow. |      |
| Quinola | 2.00 |
| Baby    | 2.00 |

|                 |      |
|-----------------|------|
| Pink.           |      |
| Mrs. E. Roberts | 2.00 |
| Ladysmith       | 2.00 |
| Emille          | 2.00 |
| Bronze.         |      |
| Mary Richardson | 2.00 |

**GUT BACK PLANTS—OUT OF SOIL.**

|               |      |
|---------------|------|
| White.        |      |
| Early Snow    | 2.50 |
| October Frost | 2.00 |
| Buckbee       | 2.00 |
| Lynwood Hall  | 2.00 |
| Touset        | 2.00 |
| Ivory         | 2.00 |
| Chadwick      | 3.00 |
| Bonnaffon     | 2.00 |
| Yanoma        | 2.00 |

|             |      |
|-------------|------|
| Yellow.     |      |
| Golden Glow | 2.00 |
| Monrovia    | 2.00 |
| Halliday    | 2.00 |
| Appleton    | 2.00 |
| Bonnaffon   | 2.00 |
| G. Bagel    | 2.00 |
| Eaton       | 2.00 |
| Nagoya      | 2.00 |

|               |         |
|---------------|---------|
| Pink.         | Per 100 |
| Roslere       | \$2.00  |
| Pacific       | 2.00    |
| Monogram      | 2.00    |
| Gloria        | 2.00    |
| Marion Newell | 2.00    |
| Dr. Enguehard | 2.00    |
| Rosette       | 2.00    |
| Maud Dean     | 2.00    |
| Red.          |         |
| Intensity     | 2.00    |

**POMPONS—CUT BACK.**

|                 |         |
|-----------------|---------|
| White.          | Per 100 |
| Baby Margaret   | \$2.00  |
| Lulu            | 2.00    |
| Garza           | 2.00    |
| Pink.           |         |
| Emille          | 2.00    |
| Mrs. E. Roberts | 2.00    |
| Ladysmith       | 2.00    |
| Yellow.         |         |
| Baby            | 2.00    |
| Ominole         | 2.00    |
| Bronze.         |         |
| Mary Richardson | 2.00    |

**WIETOR BROS.,**

162 N. Wabash Ave., Chicago.

**CINERARIAS.**

Cinerarias, 2-in., frame-grown, Dwarf Gold Medal Strain, tall and Stellata, 2 1/2 c. J. L. Schiller, Toledo, O.

**CLEMATIS.**

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

**COLEUSES.**

COLEUS—500 Golden Bedder, 400 Verschaffeltii, clean, bushy stock, \$2 per 100; 500 for \$3, cash.

JOS. BANCROFT & SON, Cedar Falls, Iowa.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Paineville, O.

Coleus, 10 varieties, 2 1/2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

**CYPERUS.**

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

**DAHLIAS.**

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms acid wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, astring pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, leading kinds, \$3.50 per 100; \$30 per 1,000. Divided field-roots, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Dahlias, new and standard varieties. Bassett & Weller, Hammonton, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

**DRACAENAS.**

Dracena indivisa, 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$4 per doz., \$30 per 100. Large plants, 8 and 9-in., \$1, \$1.50 and \$2. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracena indivisa, 5-in., \$3 per doz.; \$25 per 100; 6-in., \$5 per doz., \$30 per 100. Extra large plants, pot grown. Cash with order, please. Leonard Utzinger, 800 Lake View Road, Cleveland, O.

Dracena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Dracena indivisa, 4-in., \$10 per 100; 6-in., \$25 per 100. Calvert Floral Co., Lake Forest, Ill.

Dracena terminals, 2 1/2-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emman, Newton, N. J.

**FERNS.**

Boston ferns for 4, 5 and 6-in., 12c, 20c and 25c. 25,000 Boston and Whitman for 2 and 3-in., \$20 per 1,000. True Winter flowering yellow Marguerites unrooted, \$2; rooted, \$4 per 100. Cash. A. G. Lake, Wellesley Hills, Mass.

FERNS FOR DISHES, transplanted seedlings, 5 varieties, \$1 per 100; \$9 per 1,000; 2-in. assorted, \$3 per 100; \$25 per 1,000. Asparagus Tenusissimus, \$3.50 per 100; \$30 per 1,000. Rober & Radke, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitman, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrow & Son, Whitman, Mass.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechlein, 4911 Quincy St., Chicago.

Boston ferns, 8 to 12-in. Erie Floral Co., Erie, Pa.

Boston ferns, 4-in., \$2.40 per doz. H. W. Allersma, Grand Rapids, Mich.

Ferns, Boston, 5-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emman, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkina, Rutherford, N. J.

**FIGUS.**

Ficus elastica (rubber tree) grown to order, one foot high, 4-in. pots, \$20 per 100. J. J. Soar, Little River Nurseries, Little River, Florida.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



**GERANIUMS.**

GERANIUMS. We have an especially nice lot of S. A. Nutt, Grant, Poitevine and Buchner, 4-in., 2½-in., rooted cuttings and stock plants. If you need any we will be pleased to submit interesting prices. The W. T. Buckley Co., Springfield, Ill.

Geraniums, 10,000 S. A. Nutt, good strong 4-in., in bud and bloom; we are sure this stock will please you at \$8 per 100. Cash with order please. Fraak Felke, 828 Ridga Ave., Wilmette, Ill.

GERANIUMS, all varieties. Large plants, \$8 per 100. M. C. Gunterberg, 82-86 E. Randolph St., Chicago, Ill.

Geraniums, 2½-in. in standard varieties, \$3 per 100; \$25 per 1,000. Rober & Radke, Maywood, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Geraniums, Nutt, and 5 varieties 3-inch, my selection, \$6 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, 4-in. S. A. Nutt, Poitevine, Ricard, well grown, 8c per 100, in bloom, without pots. Cash with order, 500 Salvias, 4c. H. W. Allersma, Grand Rapids, Mich.

Geraniums, R. C. Nutt, Poitevine and Ricard, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Ricard, La Favorite, Sallerod, Strong 4-in., 6c; 3-in., 3c. Trutt's Greenhouses, Chanute, Kans.

Geraniums, Mme. Sallerod, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 4-in., all colors, \$7 per 100. Calvert Floral Co., Lake Forest, Ill.

**GREENS.**

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut ever-greens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Southern Wild Smilax. Caldwell The Woodsmen Co., Evergreen, Ala.

Greens, Henry M. Robinson & Co., 46 W. 26th St., New York.

**HARDY PLANTS.**

Hardy pinks, field clumps, \$2 per 100. Sweet williams, field clumps, \$3 per 100; \$25 per 1,000; small plants, 50c per 100; \$3.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Rothford, N. J.

**HOLLYHOCKS.**

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

**HELIOTROPES.**

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

**HYDRANGEAS.**

Hydrangeas for summer flowering, 11-in., pall-tubs, 5 to 6 leads, \$1 each; 12-in., Riverton tubs, 8 to 10 leads, \$2.50 each; 14-in., 10 to 12 leads, \$3.50 each. Jeanne d'Arc, 6-in. pots, 25c each; 10-in., pall-tubs, 75c. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

**IRISES.**

JAPANESE IRIS, mixed, all colors, strong field plants, 100 for \$3; 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

**IVIES.**

English ivy, 2½-in., \$3 per 100. The Good & Reese Co., Springfield, O.

**LANTANAS.**

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

**LILY OF THE VALLEY.**

**To Import.**

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the Valley, Berlin and Hamburg grades, McHutchison & Co., 17 Murray St., New York.

**From Storage.**

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

**MUSHROOM SPAWN.**

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

**NURSERY STOCK.**

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Pothos aurea, strong cuttings partly rooted, nice color, \$3 per 100. J. J. Soar, Little River Nurseries, Little River, Florida.

Nursery stock, Arbor-vite Pyramidals and halsam fr. The Farmers Nursery Co., Troy, O.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

**ORCHIDS.**

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, H. Stanley, Sandcross Lane, Relgate, England.

Orchids, Cartleya and Laella Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

**PANDANUS.**

Pandanus utilis and Velitchii. For prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Pandanus Velitchii, bench grown, 10 inches high, \$10 per 100; 15 inches high, \$15 per 100; 4-in. pots ready for 8-in. pots, \$20 per 100 if sold at once. J. J. Soar, Little River Nurseries, Little River, Florida.

Pandanus atillea, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

**PALMS.**

Cycas stems, dormant, 50 lbs., per lb., 10c; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs. and up, 7½c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Phoenix Robelenii, 12-in. pots, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Palma, McHutchison & Co., 17 Murray St., New York.

**PANSIES.**

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gallardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, Vaughan's mixture, large flowers, \$1 per 100. H. W. Allersma, Grand Rapids, Mich.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

**PEONIES.**

Peonies. W. & T. Smith Co., Geneva, N. Y.

**PETUNIAS.**

Petunias, \$3 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

**POINSETTIAS.**

Poinsettias, 2½-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2½-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

POINSETTIAS, orders booked now for July and August delivery. Write for prices. Rober & Radke, Maywood, Ill.

**PRIMULAS.**

Primula, 2-in., frame grown, main specialty for many years, ready June 15. OBCONICA Rosendorfer and Lathmann strains, positively best in existence. GRANDIFLORA, 10 colors and GRANDIFLORA FRINGED, 5 colors, 2½c. GIGANTEA, 5 colors. 3c. CHINENSIS GRANDIFLORA FRINGED, 11 colors, 2½c. J. L. SCHILLER, Toledo, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash please. J. W. Miller, Shremanstown, Pa.

**RHODODENDRONS.**

Rhododendrona, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrona, 18-24 in., named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

**ROSES.**

**ROSE PLANTS.**

Extra fine clean, healthy and well grown stock. Per 100 Per 1000  
 Richmond, 3-in. .... \$6.00 \$60.00  
 Richmond, 2½-in. .... 4.00 35.00  
 Melody, 3-in. .... 6.00 60.00  
 Melody, 2½-in. .... 4.00 35.00  
 My Maryland, 3-in. .... 6.00 60.00  
 My Maryland, 2½-in. .... 4.00 35.00

**SINNER BROS.**

82 E. Randolph St., Chicago, Ill.

**CHOICE ROSE PLANTS.**

Per 100. Per 1,000.  
 American Beauty, 2½-in. .... \$6.00 \$50.00  
 Pink Killarney, 2½-in. .... 4.00 35.00  
 Jardine, 2½-in. .... 3.00 25.00  
 Uncle John, 2½-in. .... 3.00 25.00  
 My Maryland, 2½-in. .... 4.00 30.00  
 Ready Now. Order Early.

**WIETOR BROS.,**

162 N. Wabash Ave., Chicago.

**ROSES FOR LINING OUT.**

Orleans ..... \$7.50 per 100  
 Hiawatha ..... 7.50 per 100  
 Lady Gay ..... 4.00 per 100  
 Evangeline ..... 10.00 per 100  
 Minnehaha ..... 10.00 per 100  
 Miss Messman of Climbing Baby Rambler, \$7.50 per 100.

**THE CONARD & JONES CO.,**

West Grove, Pa.

Roses, Killarney Queen, and Dbl. White Killarney, grafted, \$30 per 100; 250, \$70; \$250 per 1,000; own roots, \$25 per 100; \$200 per 1,000. Richmond grafted, \$15 per 100; \$120 per 1,000; own root, \$7.50 per 100; \$60 per 1,000. Mrs. Taft, own roots, \$7.50 per 100; \$60 per 1,000. Radiance, own root, \$7.50 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2½-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Am. Beauty, 2½-in., \$4.50 per 100; \$40 per 1,000. Perle, 2½-in., \$4 per 100; \$30 per 1,000. Bench plants: Am. Beauty, \$5 per 100; \$45 per 1,000. Pink Killarney, Killarney and Perle, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses, grafted, Mrs. Aaron Ward, \$12 per 100. White Killarney, \$12; Rhea Reid, \$12. Perles, own roots, \$3.50 per 100; 2½-in. pots, \$30 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, strong, clean stock, Kaiserin Augusta Victoria, Perle, Richmond, White and Pink Killarney, own roots out of 3½-in. pots at \$6 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. Erie Floral Co., Erie, Pa.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene, W. H. Elliott, Brighton, Mass.

**You Do Not Find What You Need in Our Ready Reference Department, Write Us About It**

Roses, Killarney and White Killarney, 2 1/2-in., \$5 per 100; \$45 per 1,000. Castle Grove Greenhouses, Danville, Pa.

**ROSE PLANTS—GOOD STOCK.**  
Beauties, White Killarney, Pink Killarney, 3-in. pots, \$4 per 100; \$35 per 1,000. GEO. REINBERG, 162 N. Wabash Ave., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. Pochmann Bros. Co., Morton Grove, Ill.

Roses. For varieties and prices see advertisement elsewhere in this issue. J. A. Budlong, 82-86 E. Randolph St., Chicago.

Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthas, Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses, Am. Beauty, 3-in., \$80 per 1,000. Killarney, 3-in., \$55 per 1,000. Safrano, 2-in., \$35 per 1,000. Rose Queen, 3-in., \$120 per 1,000. L. B. Coddington, Murray Hill, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

## SEEDS.

**SOW NOW** if you want them for early Spring sales.

|                                     | 6 tr.  | Tr.    | Pkts. | Pkts. |
|-------------------------------------|--------|--------|-------|-------|
| Begonia Bedding Queen, finest pink. | \$2.50 | \$0.50 |       |       |
| " Gracillis luminosa, finest red.   | 2.50   | .50    |       |       |
| " Triumph, finest white.            | 2.50   | .50    |       |       |

O. V. Zangen, Hoboken, N. J.

Seeds, beans, peas, sweet peas, corn, onions, turnip, radish, beet, etc. The Everett B. Clark Seed Co., Milford, Conn.

Asparagus seed, just picked, A. plumosus seed, \$2.50 per 1,000. A. Sprenger seed, \$2.50 per lb.; 50c per 1,000. Cash. Thos. Windram, Cold Spring, Ky.

Seeds, watermelon and muskmelon. Oklahoma Seed Growers' Co., Eoid, Okla.

Seeds, sweet peas. Burnett Bros., 72 Cortlandt St., New York.

Seeds, specialties, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, N. J.

Seeds, beans, peas, radish and all garden seeds, onion sets. Leonard Seed Co., 228-30 W. Kinzie St., Chicago.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds. Richard Diener & Co., Mountain View, Calif.

## SMILAX.

Smilax, strong, 2-in., 2c; per 1,000, \$18. J. L. Schiller, Toledo, O.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2 1/2-in., \$15 per 1,000. W. W. Coles, Kokomo, Ind.

## SWEET PEAS.

Sweet peas, long stems, Vaughan white, pink and lavender, 50c per 100. H. W. Allersma, Grand Rapids, Mich.

## VEGETABLE PLANTS.

300,000 yellow Jersey and Red Bermuda sweet potatoes. Early and late tomatoes, \$2 per 1,000. Early and late Cabbage, Kale, Kohlrabi, extra fine, \$1.50 per 1,000. Cash. Mrs. Edward Hayden, Greenview, Ill.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. Sluis Seed Store, 544 W. 63rd St., Chicago.

## VERBENAS.

Verbenas, seedlings, strong plants, 60c per 100; 2 1/2-in., assorted, \$1.50 per 100. Rober & Radke, Maywood, Ill.

## VINCAS.

Vinca variegata, extra strong, 2 1/2-in., \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.



## The Meyer Green Silkalline

The Best Thread on The Market  
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

**John C. Meyer & Co., Lowell, Mass.**  
**THE LOWELL THREAD MILLS.**

Vincas, big, strong, 3-in., \$5 per 100; \$45 per 1,000. C. Humfeld, Clay Center, Kans.

Vinca Variegated, 3-in., \$5 per 100. August Erickson, 3437 Foster Ave., Chicago, 'Phone Ravenswood 250.

## BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Richardson Greenhouse Boilers. Richardson & Boynton Co., 31 W. 31st St., New York, 66 E. Lake St., Chicago. 51 Portland St., Boston. 1107 Arch St., Philadelphia.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

## BUILDING MATERIAL.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Greenhouse lumber of all kinds. Lockland Lumber Co., Lockland, O.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts. Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

## CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

## FERTILIZERS.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

## GREENHOUSE CONSTRUCTION.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, buildera of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietach Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, buildera of every type of greenhouse, the most modern designs. Hiltchuga Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

## GUTTERS.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, Sixth and Berk Sts., Philadelphia.

## MISCELLANEOUS.

Clara cemetery vases, 12 ins. high, doz., \$2.50; barrel of 3 doz., \$6. f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

Florists' Supplies. Henry M. Robinson & Co., 46 W. 25th St., New York.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Green Silkalline. John C. Meyer & Co., Lowell, Mass.

Baskets, see advertisement elsewhere in this issue. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Raffia for florists. Vaughan's Seed Store, Chicago and New York.

Ribbons and chiffons. Werthelmer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Eaaton, Ind.

Mastic for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

## POTS, PANS, ETC.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

## STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

**If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It**

**THE KROESCHELL GREENHOUSE BOILER**

Here is the boiler that is making the most wonderful greenhouse heating record in the world. Florists and gardeners who have used other makes are constantly giving the Kroeschell Greenhouse Boiler the highest praise.

10,788,000 square feet of glass was equipped with the Kroeschell Boiler during the past five years. You will find the new 1910 model Kroeschell Hot Water Boiler in every state in the Union and Canada.

Our Eastern business has been exceedingly heavy the past season.

**Do You Want True Heating Values?**

Many florists, to their sorrow, have made the mistake of buying cast iron boilers, which, because of their ratings, appeared to be cheaper than the Kroeschell boiler.

The extravagant ratings of cast iron boilers are misleading, and during the past cold winter have been the cause of much disappointment and serious trouble to many growers. The fuel waste is enormous when cast iron boilers are used for commercial purposes, such as greenhouse heating, etc., etc.

Do not make a mistake when selecting your new boiler; get a Kroeschell boiler and you will never be disappointed. It's the cheapest and best in the end.

The KROESCHELL BOILER has the Highest Standard of Heating Values Immense Self-Cleaning Heating Surface.

Longest Fire Travel—Perfect Combustion—Free Circulation Thin Waterways—Safety—Durability—Economy Kroeschell Boiler Ratings Are Guaranteed

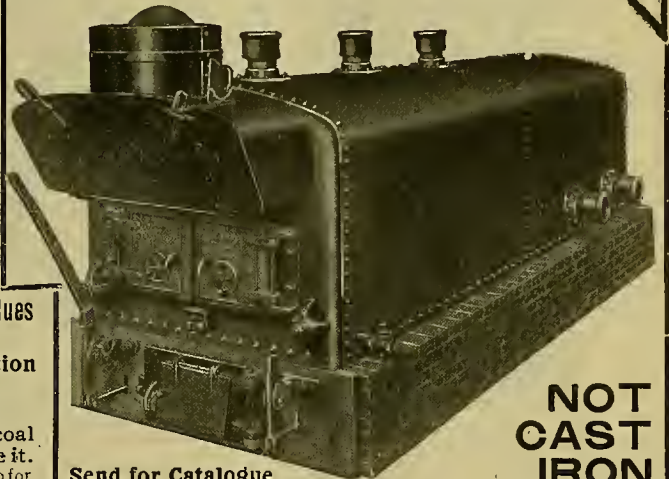
The Kroeschell boiler will develop more heat per pound of coal consumed than any other boiler on the market, and we do prove it. Read what our customers say about our boilers and be convinced. What we do for them we can do for you. Take our advice on boilers and you will make no mistake.

**ORDER YOUR Kroeschell Boiler NOW DO IT TODAY**

*Kroeschell vs. Cast Iron Boilers*

Over 1500 Cast Iron Boilers were replaced by the Kroeschell Greenhouse Boiler during the past six years. It is a common occurrence for a Kroeschell to replace two to four cast iron boilers at a single place; this is the CENTRAL HEATING SYSTEM PLAN, and has saved many florists hundreds of dollars per season in fuel alone, besides a big saving in labor.

OUR HEATING ENGINEER has probably had more practical experience in this line than any other greenhouse man, and we place his experience at your service.



**NOT CAST IRON**

Send for Catalogue

**WHAT THE USERS SAY ABOUT KROESCHELL BOILERS**

**Cast Iron Boilers break down twice in four years; Moral: Use Kroeschell Boilers -- they are safe.**

I bought a No. 2 boiler in 1902. Takes care of 7,000 sq. ft. of glass; would take care of 2,000 more. I have had a cast iron boiler, but it broke down twice in four years—always in the coldest weather. It broke down Dec. 29, 1904, and I lost all my stock in consequence. I have now two No. 2 Kroeschell Boilers and do not worry about their breaking down. GRANT NEWPORT, Cedar Rapids, Iowa.

**KROESCHELL BROS. CO. 452 W. ERIE ST. CHICAGO**

Mention the American Florist when writing

LASALLE, ILL.—There is a good field for a greenhouse or nursery in this city. There are two floral shops but they handle hardly anything but cut flowers. Additional information may be had by writing M. L. H. Odea of the LaSalle Commercial Association.

DEVON, PA.—Florists and residents of this vicinity have organized the Horticultural Society of Devon, with M. J. Bray as president. It is proposed to hold several flower shows, and A. Stanley Stanford, proprietor of Devon Inn, has kindly offered the use of the spacious ball room of the inn for the exhibitions. It is intended to award prizes for the best exhibits and committees have been appointed on flowers, vegetables and fruits.



**Indispensable in the Garden.**

**Thomson's VINE, PLANT and VEGETABLE Manure**

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure, An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

**Wm. Thomson & Sons, Ltd., Tweed Vineyards, Clovenstone, Scotland.**

**Tobacco Paper** **“Nico-Fume” LIQUID**  
**IS THE STRONGEST BEST PACKED EASIEST APPLIED**  
**“Nico-Fume” LIQUID**  
**OVER 40% NICOTINE**  
**By far the CHEAPEST**  
**Furnishes the Most Nicotine for the Money!**  
**JUST NOTE PRICES**

|                  |         |                |         |
|------------------|---------|----------------|---------|
| 24 sheets.....   | \$ 0.75 | Pint.....      | \$ 1.50 |
| 144 sheets.....  | 3.50    | ½ Gallon.....  | 5.50    |
| 288 sheets.....  | 6.50    | Gallon.....    | 10.50   |
| 1728 sheets..... | 35.10   | 5 Gallons..... | 47.25   |

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

**Everybody is Using**  
**Aphine**  
*The Insecticide that kills plant Lice of every species*  
 Dawson, Y. T. Can., April 29, 1912.  
 "Enclosed find money order, for which please send me by express three gallons of Aphine. . . . The last shipment has proved exceedingly satisfactory." W. HORKAN.  
**FUNGINE**  
 Livingston, Mont., May 18, 1912.  
 "I have been trying Fungine on lettuce for what is termed grey mold, and it seems to do the work. The trial has been brief, but sufficient to convince me that it is all right for this purpose. Please let me know the nearest supply point to me."  
 EDGAR PHINNEY.  
**FOR SALE BY SEEDSMEN**  
 Manufactured by  
**Aphine Manufacturing Company**  
**MADISON N. J.**  
**Why Not You?**

Black flies and green flies are easy to kill with  
**“TIP TOP” BRAND**  
**TOBACCO POWDER**  
**FOR FUMIGATION AND SPRINKLING**  
 WRITE FOR SAMPLES  
**\$3 per 100 lb. bag**  
 Money with order  
 Satisfaction guaranteed or money back  
**Interstate Tobacco Co.**  
 713 1st. Ave., New York

Mention the American Florist when writing

*green flies and black ones too*  
 are easy to kill with  
**The fumigating kind Tobacco Powder**  
**\$3.00 per bag 100 lbs.**  
 Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?  
**THE H. A. STOOHOFF CO., MOUNT VERNON, N. Y.**

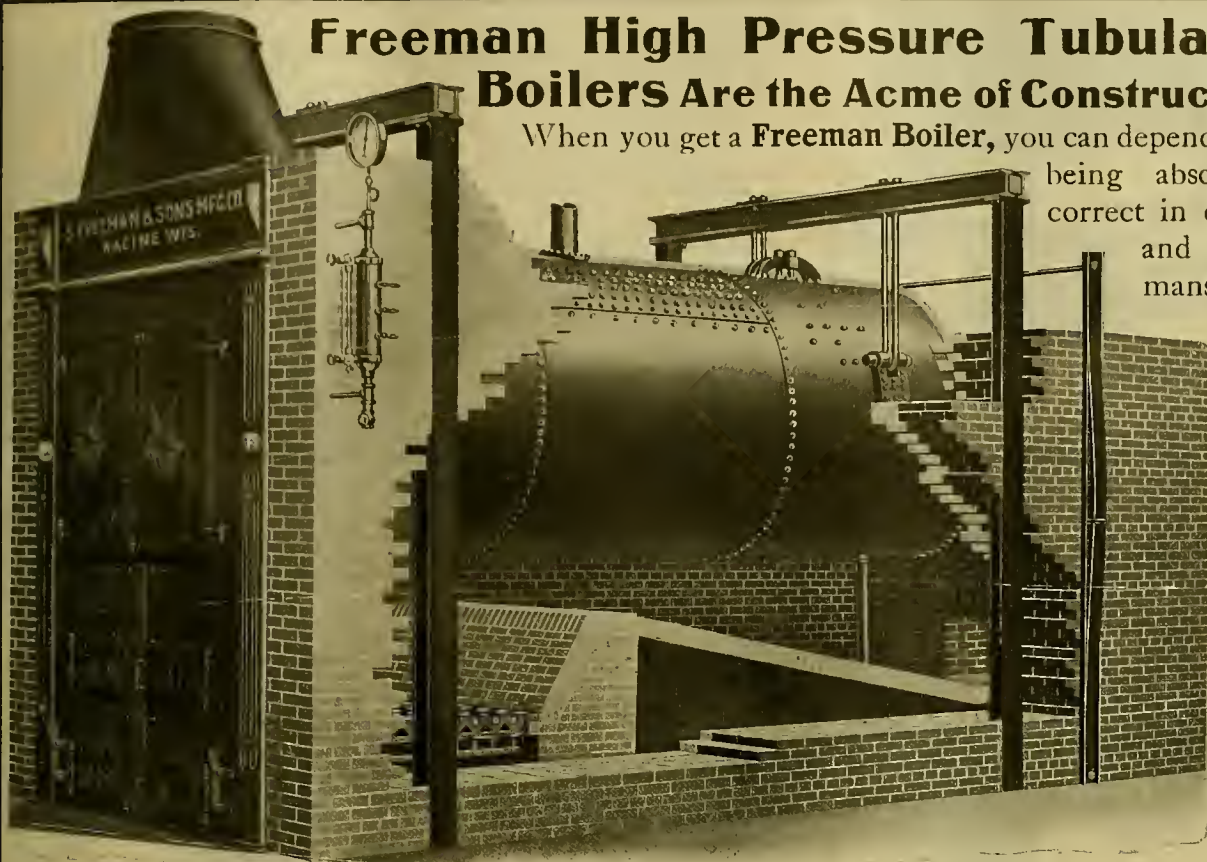
The Manure you use in your Greenhouse and Field planting should be  
**WIZARD BRAND**  
 TRADE MARK  
**PULVERIZED SHEEP - PULVERIZED CATTLE SHREDDED CATTLE MANURE**  
**Our new Booklet for Growers tells why—your copy is ready for you. Ask for it on a postal today.**  
 Your supply house will furnish Wizard Brand if you make it plain that Wizard Brand is what you want or we will ship to you promptly—It is the best manure your money can buy.  
**Ask for your Booklet.**  
**THE PULVERIZED MANURE CO.,**  
 32 Union Stock Yards - - - - CHICAGO.

**D. D. Johnson's Celebrated**  
**EVERGREEN BRAND FLOWER AND LAWN FERTILIZER**  
 Unrivalled For All Floricultural and Horticultural Purposes  
**GENUINE PLANT FOOD**  
 For Sale by Leading Dealers and Jobbers Everywhere  
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**United Fertilizer Company**  
 Manufacturers  
 143 North Wabash Avenue Chicago, Ill.

**The Early Advertisement Gets There**

## Freeman High Pressure Tubular Boilers Are the Acme of Construction

When you get a Freeman Boiler, you can depend on it being absolutely correct in design and workmanship.



Send for Catalogue No. 40

THE S. FREEMAN & SONS MFG. CO., Racine, Wis.



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind

Mention the American Florist when writing

## A. HERRMANN,

Caps Flowers, all colors, Cypas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

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Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning  
Hail Insurance, address

JOHN G. ESLER, Secretary,

SADDLE RIVER, N. J.

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## Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.  
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts., CHICAGO.

L.D. Phones: Lincoln 410 and 411

Use our patent  
Iron Bench  
Fittings and  
Roof Supports

THE JENNINGS IMPROVED  
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets.

PHILADELPHIA.

VENTILATING  
APPARATUS

—BURNED CLAY—

Tile Benches and Tile Bottoms

Give results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.

Tile Sides

THE CAMP CONDUIT CO.  
Garfield Bldg., Cleveland, O.

THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings, being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

The National Florists' Board of Trade, 56 Pine St. NEW YORK



## Where There Is Condensation

—there is need for a **Morehead Steam Trap**  
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

**Morehead Manufacturing Co.,**  
Dept. "N," DETROIT, MICHIGAN

Stocks Carried  
Philadelphia  
Birmingham, Ala.

Memphis, Tenn.  
Los Angeles

Chatbam, Ontario  
San Francisco

New York  
Chicago

Wichita, Kan.  
New Orleans, La

# SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

### Dreer's Peerless Glazing Points For Greenhouses

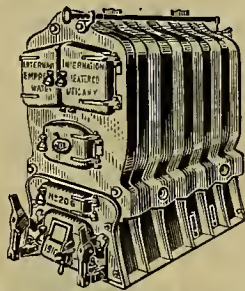
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER,  
714 Chestnut Street,  
Philadelphia.



Mention the American Florist when writing



You May Think you can't afford the best greenhouse heating system, but you must admit that you need it.

Fuel economy and time saving will make an **INTERNATIONAL Empress Boiler** pay for itself. Can you afford to wait? Write us.

**INTERNATIONAL HEATER CO., UTICA, N. Y.**

### SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes,  $\frac{3}{8}$  and  $\frac{1}{2}$  in. 40c per lb., by mail 10c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert. Baum & Beatty Sts., Pittsburg.

The Early Advertisement Gets There

# "FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

J. Jaeger, a User, Says This About a No. 5 Superior Boiler:

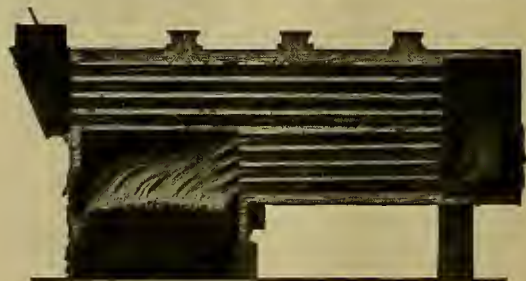
CHICAGO, ILL., March 12, 1912.

SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly,

[Signed] J. JAEGER, 7554 Barton St.



SEND FOR CATALOGUE

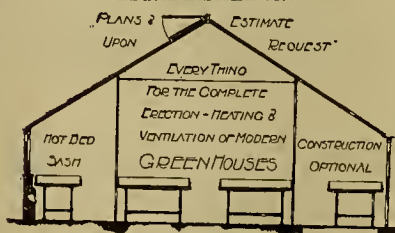
## Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL.

## S. Jacobs & Sons

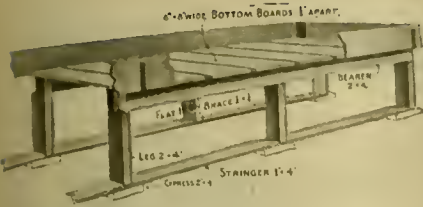
ESTABLISHED 1871



1361-1383 Flushing Ave.,  
Brooklyn, New York



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.



This is the Number Three Bench. It is inexpensive; goes up quickly.

# About Our Benches

We make four distinct kinds of benches for growers' use. Their cost is low, as all parts are cut to fit by machinery, and they can be put up in half the time it takes to put up those you make yourself. Right now is re-benching time — the time to order some one of the four.

**Number One** is best grade of dressed cypress throughout.

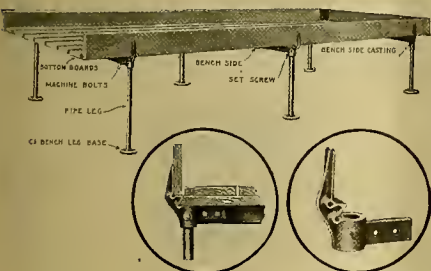
**Number Two** is made exactly like Number One, excepting it is made of a cheaper grade of undressed cypress known as "common."

**Number Three** is the cheapest of the four. Pecky cypress is used.

**Number Four** is a combination iron and cypress bench that is a winner in every sense of the word.

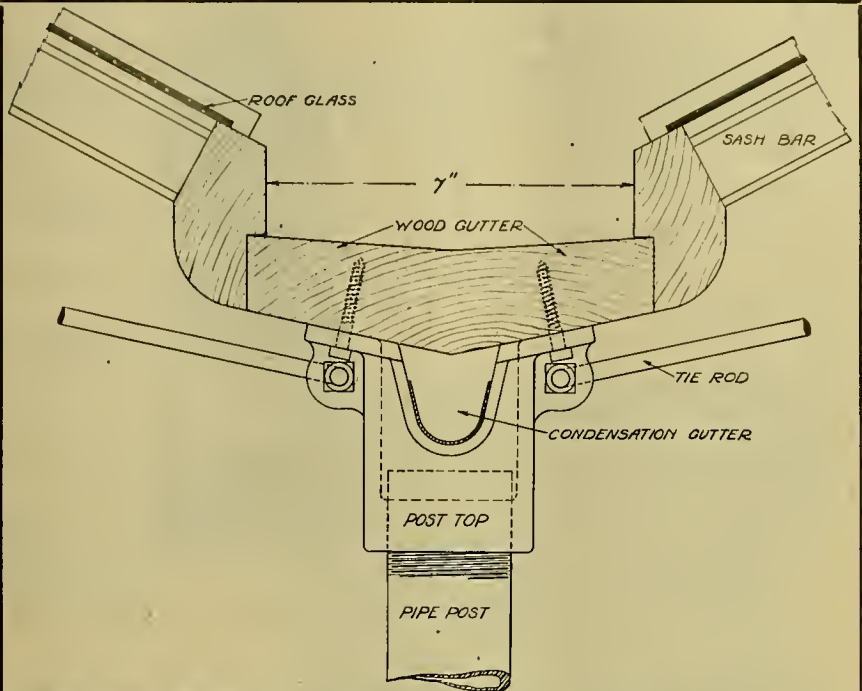
All four are fully illustrated and described in our new catalog. Send for it.

In it you will find a goodly lot of other things besides benches that will be of special interest to you just now.



The Number Four Cypress Bench, with an iron frame. Cypress parts can be easily replaced at any time.

**Hitchings & Co.**  
Elizabeth, New Jersey.



## KING GUTTER

MADE OF

## WOOD

"LEST YOU FORGET"

We want you to know that we make a wood gutter, and a good one, too. It combines all the good points of other wood gutters. "AND THEN SOME."

Note that the condensation and drip run down the sides and sloping bottom to a drip pan placed under the gutter where it makes no shade.

We know it will do that, for we have tried it. This gutter lends itself to an outside wall, as an eave, most admirably.

**Let Us Figure With You**

on any greenhouse project you have in mind. We may give you new ideas, and you will see

**A Great Light**

WRITE US

**King Construction Co.**

Home Office and Works  
N. TONAWANDA,  
N. Y.

Eastern Sales Office  
1181 Broadway,  
NEW YORK

## Attention! Glass Buyers!!

### GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.  
Quality A No. 1. Prompt shipments.

### Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.  
Half barrels (26 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

## H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone  
Monroe 4994.

651-659 West Washington Boulevard, Chicago  
Near Des Plaines St.,

Mention the American Florist when writing

**: ATTENTION :**

Wholesalers, Supplymen and Large Consumers ::

We are soon going abroad to make our fall purchases.

?? Will You Place Import Orders ??

On first quality Cycas Leaves, Genuine Imported Waterproof Crepe Paper (trade-mark Westalia), Gold Leaf Script Letters and Words; also any other article coming from across the ocean which is worth while handling.

Write us now and we will let you in on Bedrock Prices

**American Importing Company**  
219 South Dearborn Street  
CHICAGO, :: :: :: :: ILL.

**The Best Color Chart**

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.  
AMERICAN FLORIST Co.,  
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.  
Published and For Sale by the  
**American Florist Co., 440 S. Dearborn St. CHICAGO**  
PRICE, ONE DOLLAR, POSTPAID.

**GREENHOUSES!**

MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.

CYPRESS SASH BARS ANY LENGTH UP TO 12 FEET LONGER.

THE STEAMSHIP LUMBER CO., NEWCASTLE, BOSTON, MASS.

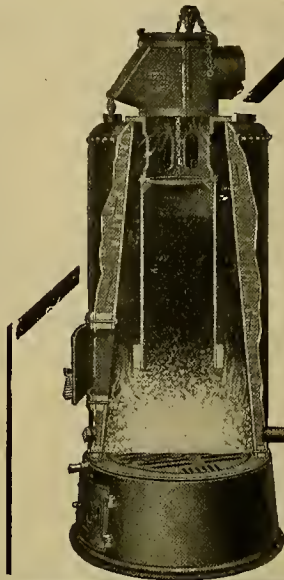
**H. BAYERSDORFER & CO.**

**Florists' Supplies.**

1129 Arch Street, PHILADELPHIA, PA.  
Send for our new catalogue.

**REED & KELLER, FLORISTS' SUPPLIES.**

We Manufacture all Our Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glass-ware, Pottery, Decorative Greens and all Florists' Requisites.



**10 Hours Without Firing**

even in severely cold weather, is a common experience with those growers who use the Wilks Self-Feeding Hot Water Boilers

**In the Coldest Weather Wilks Hot Water Boilers Can Be Relied On**

to keep the temperature even and continuous, making night firing unnecessary. Made entirely of steel; no cast iron sections to crack.

You should know more about them. Send for catalogue.

**S. Wilks Mfg. Co., 3503 Shields Ave., CHICAGO, ILL.**

**SPECIAL OFFER**

That every one may know the superior qualities of the

**Mastin Spraying Machines**

We will sell for a short time F. O. B. Chicago, Ill., Cash to accompany the order, one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod. Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.



**J. G. MASTIN CO.**

8124 West Lake St. CHICAGO, ILL.

Mention the American Florist when writing

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

**"Horticultural Advertiser"**

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, **LOWDHAM, Notts, England**

Mention the American Florist when writing

**Half-tone Plates**

Made from sprays of flowers, either in natural colors or for black printing.

Letter heads, envelopes, bill heads, statements, cards and special labels.

**Gorham & Chapline Printery**

542 S. Dearborn St., CHICAGO

Mention the American Florist when writing

**Boilers OF HIGH GRADE..**

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**

Mention the American Florist when writing



**Every Once in a While Some Grower Gets a Notion That We Are Slow in Turning Out His Materials.**

He tells us about it in rather plain language. Sometimes he even gets a little excited. He seems to think there is nothing doing unless the chips and sawdust are flying in everybody's eyes. He loses sight of the fact that hastily turned out materials must of necessity mean mistakes without number. Such mistakes must be corrected on the job, causing no end of delays and extra expense. Nail this fact down good and hard in your memory box, that any unnecessary time we may seem to be taking at our factories in perfecting our materials, is more than made up by the ease and speed with which all our materials can be erected.

You win in the end—and win big. Five carloads of materials and only two bolt holes wrong, is one of our recent records.

L. & B.'s materials are dependable—that's the point.

Send for catalog.



**Lord & Burnham Company**

FACTORIES:

Irvington, N. Y. Des Plaines, Ill.

SALES OFFICES:

New York Philadelphia  
St. James Bldg. Franklin Bank Bldg  
Boston Chicago  
Tremont Bldg. Rookery Bldg.



# Richardson Greenhouse Boilers

## HOT WATER AND STEAM

### Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities

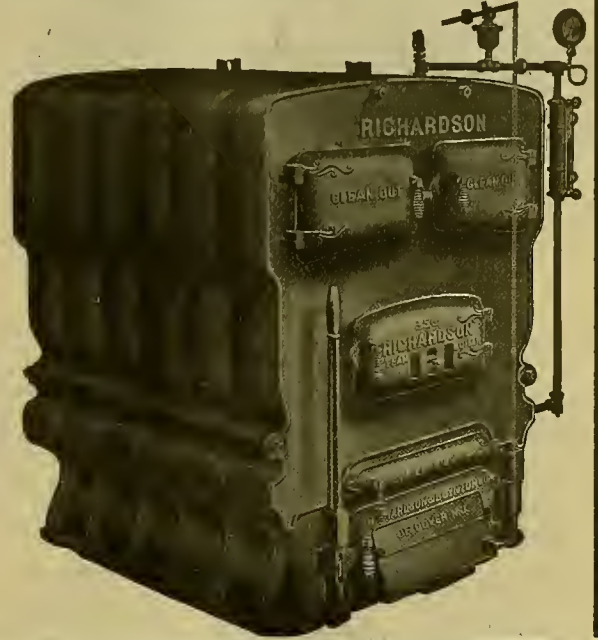


Guaranteed Ratings

Economy

Ease of Management

Send for  
Catalogue  
and Prices



Established 1837.

## Richardson & Boynton Co.

MANUFACTURERS,

31 West 31st St., NEW YORK

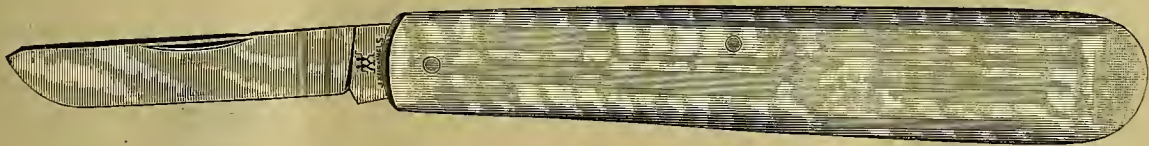
66 East Lake St.,  
CHICAGO.

51 Portland St.,  
BOSTON.

1107 Arch St., PHILADELPHIA.

# FREE

## This Budding Knife



The Unrivaled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employes. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employes) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

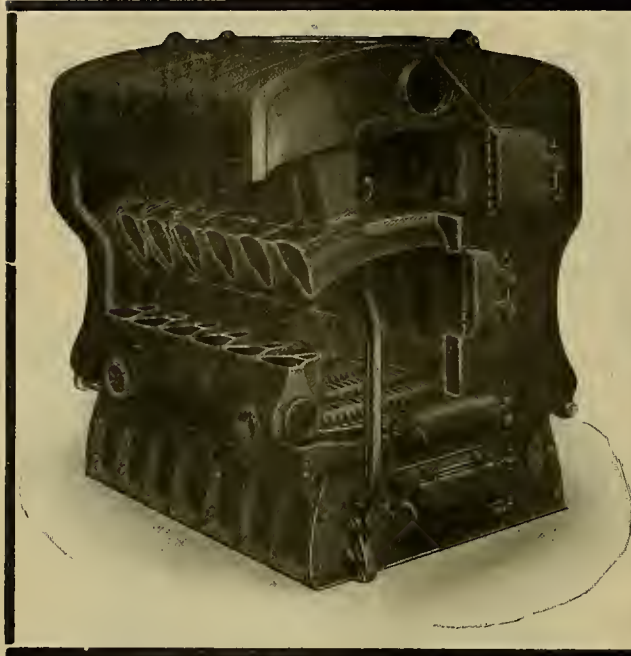
The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

**AMERICAN FLORIST CO.,**  
440 So. Dearborn Street, CHICAGO.

# FREE



# Get a Moninger Boiler

- It has the only flexible fire travel.
- It is made for greenhouse work.
- It saves coal.
- It keeps fire a long time.
- It needs no repairs.
- It has rocking and dumping grates
- It lasts a life time.
- It is all cast iron.
- It is easy to set up and don't leak.
- It requires no brick work.
- It heats quickest of all boilers.
- It takes less room.
- It cleans itself.

You can't afford to be without it.  
Get Bulletin No. 10.

**John C. Moninger Co.,**  
902 Blackhawk St., CHICAGO.  
EVERYTHING FOR THE GREENHOUSE

**Vaughan's Raffia**

Imported by us direct from  
**Madagascar**

We offer two grades both good value, viz:  
**FLORISTS' Special REGULAR**

Write today for Prices.  
**Vaughan's Seed Store**  
NEW YORK. CHICAGO.

**To Tell All the Good Points of Our Construction**

in this advertisement are planning any tions, it will pay

is impossible. If you rebuilding or addi- you to write us.

**TRUSSED SASH BAR AND IRON FRAME HOUSES**

**GEO. M. GARLAND CO.**  
Lock Box S, Des Plaines, Ill.

**CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES**

MANUFACTURERS OF  
The Gutter with a Reputation

**THE STANDARD VENTILATING MACHINERY**

The old reliable machines are the most powerful, least complicated of any on the market

**The Standard Steam Trap**

Ask someone who is using a Standard for his opinion of it.

Write for catalogue.

**E. HIPPARD CO.,** Youngstown, Ohio

**50% SAVED.**

**Pipes, Flues**

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

**ILLINOIS PIPE & MFG. CO.,**  
2113 S. Jefferson St., CHICAGO

**THE EARLY ADVERTISE-  
MENT GETS THERE.**

1868 1912

**Lockland Lumber Co.**  
**GREENHOUSE LUMBER**

Lockland - - - - - Ohio.

**Peerless Refrigerators**

Built Exclusively for Florists

Write for Special Designs and Prices

**JAC LEDERER**  
644-48 W. Madison St., - - CHICAGO  
Phone 2496 Monroe

**Wired Toothpicks**

10,000, \$1.75; 50,000, \$7.50. Manufactured by  
**W J. COWEE, Berlin, N. Y.**  
Sample free. For sale by dealers.

**This Beautiful Lawn Vase Only \$4.90.**

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1 1/2 gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price ..... \$4.90  
4C12005, with arms, price ..... \$5.65  
Special price made to dealers for quantity lots.

**We Are the Bargain Center of the World.**  
We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

**SPECIAL NOTE.**  
Our Heating Dept. makes a specialty of complete Greenhouse Heating Systems. Send for our Special Heating Catalog No 47. Estimates furnished free of charge.

**CHICAGO HOUSE WRECKING CO.**  
CHICAGO, ILL.

*Mention the American Florist when writing*

# THE AMERICAN FLORIST



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

Vol. XXXVIII.

CHICAGO AND NEW YORK, JUNE 22, 1912.

No. 1255

## THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**  
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; **Ameflo, Chicago.**  
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in Postal Union, \$2.50. Subscriptions  
accepted only from the trade. Vol-  
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Address all correspondence subscriptions, etc.,  
American Florist Co., 440 S. Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS — RICHARD VINCENT, JR., White  
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Chicago, Vice-President; JOHN YOUNG, 54 West  
Twenty-eighth street, New York, Secretary; W. F.  
KASTING, Buffalo, N. Y., Treasurer.

Annual Convention and Trade Exhibition at  
Chicago, August 20-23, 1912. JOHN YOUNG, Super-  
intendent, 54 West Twenty-eighth street, New York.

Third National Flower Show, New York, April  
5-12, 1913. JOHN YOUNG, Secretary, 54 West  
Twenty-eighth Street, New York.

### NATIONAL SWEET PEA SOCIETY.

Annual convention and exhibition at Boston,  
Mass., July 13-14, 1912. WILLIAM SIM, Cliffondale,  
Mass., President; HARRY A. BUNYARD, W. Four-  
teenth street, New York., Secretary.

### CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,  
November 6-8, 1912. CHARLES H. TOTTY, Mad-  
ison, N. J., President; C. W. JOHNSON, Morgan  
Park, Ill., Secretary.

### AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New  
York, April, 1913. A. FARENWALD, Roslyn, Pa.,  
President; FRANK H. TRAENDLY, New York,  
Vice-President; BENJAMIN HAMMOND, Fishkill-  
on-Hudson, N. Y., Secretary.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at New  
York, April, 1913. PHILIP BREITMEYER, Detroit,  
Mich., President; A. F. J. BAUR, Thirty-eighth St.  
and Rockwood Ave., Indianapolis, Ind., Secretary.

### AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition at Chicago, August  
20-23, 1912. I. S. HENDRICKSON, Floral Park, N. Y.,  
President; L. MERTON GAGE, Groton, Mass., Sec'y.

### AMERICAN PEONY SOCIETY.

Next annual meeting at Ithaca, N. Y., about June  
20, 1912. B. H. FARR, President; A. F. SAUNDERS,  
Clinton, N. Y., Secretary.

## ROYAL INTERNATIONAL EXHIBITION

Held at the Chelsea Hospital Grounds, London, Eng., May 22-30, 1912.

### Trees and Shrubs\*.

Apart from the fine exhibits of rho-  
dodendrons and azaleas, there were  
several groups of ornamental flowering  
trees and shrubs, some in the tents,  
others in the open air, flanking the  
broad pathways, or placed in advan-  
tageous position where they could not  
fail to be seen by visitors. The prin-  
cipal trade exhibits came from Sander  
& Sons, St. Albans and Bruges, who  
had one of the finest collections of  
sweet bay trees that has ever been seen  
in London and for which they received  
the gold medal. The plants were all in  
large tubs, and stood in many cases  
up to 15 feet in height. They were  
trained in various ways, pyramidal,  
cylindrical, from the base to apex, oth-  
ers being standards and half-standards  
with globular, conical and pyramidal  
heads, the foliage in all cases being of  
a deep and healthy green. Veitch &  
Sons also had an exhibit of several bay  
trees, in addition to which they staged  
in the "educational" tent one of the  
most interesting and varied collections  
of cross-grafted trees and shrubs that  
has ever been seen at any exhibition.  
Over 80 different examples grown in  
pots were staged to show both stock  
and graft, and at least a dozen differ-  
ent natural orders of plants were rep-  
resented. The experiments were car-  
ried out both ways, that is to say, that  
the kind used as a stock in one case  
was used as the graft in another. Thus  
the oak was grafted on the sweet  
chestnut and the sweet chestnut was  
grafted on the oak. The rosaceæ and  
oleaceæ were in great evidence, but  
conifera, sapindaceæ, leguminosæ, cor-  
naceæ, euphorbiaceæ and ericaceæ, etc.,  
also contributed to the general interest.  
Fisher, Son & Sibray, Sheffield, in  
addition to winning the first prize for  
a group filling 400 square feet, also had  
a fine miscellaneous lot including acers,  
oaks, sumachs, beeches, ailanthus, dier-  
villas, vitis, etc.

R. C. Notcutt, Woodbridge, Suffolk,  
came second in the competitive class

with a good group in which kalmias,  
pyrus, olearias, cytisus, syringas and  
many other kinds were represented.

Paul & Son, The Old Nurseries, Ches-  
hunt, took first prize for 36 ornamental  
leaved trees and shrubs, in which the  
golden oak (*Quercus Concordia*), acer  
atropurpureum, *Acer campestre*  
Schwedleri, *Pyrus Aria aurea*, *Alnus*  
*imperialis laciniata*, and others played  
a conspicuous part. The Hon. Vicary  
Gibbs came second in this class and  
Mr. Chas. Turner, Slough, third.

In the classes for lilacs, Paul & Sons  
took the first prize for 24 kinds dis-  
tinct, their plants including such var-  
ieties as *La Tour d'Auvergne*, *Miss*  
*Willmott*, *President Carnot*, *Alphonse*  
*Lavallee*, etc.

Carlton White, London, took the hon-  
ors for 200 feet group of lilacs, which  
included the best varieties. It may be  
added that some fine masses of cut  
lilac were displayed in the Dutch sec-  
tion in ornamental wicker baskets and  
gave one a good idea of floral arrange-  
ment as practiced by Dutch florists.

Another lilac exhibitor, M. F. Step-  
man, Mohlenbeck, Brussels, carried off  
the third prize for a group of 300  
square feet. Among his best kinds  
were the lovely pure white *Reine Eliza-  
beth*; *Princesse Clementine*, a magnif-  
icent double white; *Negro*, a deep col-  
ored form, and *Jacques Callop*, another  
fine white.

L. R. Russell, Richmond, had a fine  
collection of ornamental shrubs chiefly  
remarkable for the many variegated  
gold and silver forms of tree and other  
ivies, euonymus, elæagnus, besides vitis  
in variety, and bamboos.

R. C. Notcutt, Woodbridge, had a  
mixed group of acers, maidenhair trees  
(*Ginkgo*), variegated dogwoods, etc.,  
and Jackman & Son also had an ef-  
fective lot of ornamental trees and  
shrubs.

In the conifer section the principal  
exhibitors were J. Waterer & Son, Bag-  
shot; Jackman & Son; J. Jefferies &  
Sons, Cirencester, and H. J. Elves,  
Colesborne, Gloster, all of whom made  
fine groups that compelled attention.  
Between them many fine species and  
varieties were displayed.

\*Our correspondent's account of the great  
international exhibition was begun in the issue  
of June 8, page 1177, and continued in the  
issue of June 15, page 1230.

In the Japanese maple classes a very keen struggle took place between J. Waterer & Sons, Fisher, Son & Sibray, and Fromow & Sons, of Chiswick. The first, second and third prizes were awarded in the order mentioned. Taking the exhibits as a whole, they showed what extraordinary variation exists among this particular class of maples and there were well over 300 quite different varieties exhibited, including the finest cut-leaved forms as well as those with fewer dissections.

Special mention must be made of the Hon. Vicary Gibbs' exhibit of new and rare trees and shrubs, mostly of Chinese origin, and raised from seeds sent over by Mr. Wilson, who is now connected with the Harvard Arboretum. For a private garden there is none other to compare with that of Mr. Gibbs for richness and variety and his collection is said to contain specimens that are not even yet at Kew. One of the most noticeable plants in his group was *Hydrangea Sargentii*. It stood from three to four feet high, has densely woolly pale green stems, and oblong ovate leaves over a foot long, with coarsely toothed margins. The flower heads are over a foot across, the corymbs reminding one forcibly of the cow parsnip (*Heracleum*) in appearance. The fertile flowers are small and lilac in color and are in great abundance, only a few sterile white bracts of good size being around the circumference. Another plant likely to become popular with the hybridist is *Deutzia Schneideriana*, with leaves two to four inches long and pure white flowers over an inch across. It is much too early to say whether these Chinese novelties are likely to become good garden plants or not. Many of them are very rare at present and it is not known whether they are sufficiently hardy for the British climate.

Topiary work was in great evidence from Cutbush & Sons and J. Piper & Sons, Bayswater. Numerous examples of clipped boxes, yews, etc., were shown by both firms, and their very quaintness always attracted a good deal of attention. The last named firm also had a fine rock garden display.

Barr & Sons, Covent Garden, James Carter & Co., and the Yokohama Nursery Co. were the chief exhibitors of pigmy Japanese trees and shrubs in ornamental bowls and vases. They included specimens said to be over hundreds of years old of thuyas, quercus, cupressus, acers, larches, etc., and judging by the way these plants have increased in London shows, there must be a flourishing trade done in them.

While touching on trees and shrubs, special mention must be made of a very fine variety of *Leptospermum scoparium* called *Nicholi*, shown by the Rev. A. T. Boscawen, Cornwall. Plants about four feet high with wiry stems and slender leaves were wreathed in deep blood red blossoms, with a conspicuous blackish center. An award of merit was given this plant. Another variety, *Boscaweni*, has larger flowers, pure white, with the blood red calyx lobes alternating between the corolla lobes, and giving a distinct appearance.

#### Azaleas and Rhododendrons.

Besides the Indian azaleas already referred to, magnificent displays were made by Cutbush & Son, Southgate, with varieties of *A. mollis* and *sinensis* and *A. pontica*. In the class for 300 square feet of *mollis* and *sinensis* they took the gold medal and £7; in the class for *pontica* varieties and hybrids they beat Jackman & Sons, winning the gold medal and £4, the second prize being a silver cup and £3. For 30 *A. mollis*, Messrs. Cutbush took first prize (silver cup). There were numerous varieties, clear, yet vivid in color, that made one of the most brilliant features of the show and even attracted water color artists to paint some of them in the earlier hours of the day.

In the rhododendron classes John Waterer & Sons, Bagshot, took first prize (gold medal and £7) for a group covering 500 square feet, Himalayan varieties excluded. Fletcher Brothers, Ottershaw, Chertsey, came a good second and secured a gold medal and £4. Many fine varieties were to be seen in both groups, but mention may be made of *Doncaster*, a brilliant deep crimson

scarlet; *Helen Paul*, a kind of miniature *Pink Pearl*; *Bagshot Ruby*, deeper and brighter if possible than *Doncaster*; *Corona*, lovely bell-shaped flowers; and *Gomer Waterer*, clear pinkish purple wash on a pure white ground.

W.

#### Diseased German Iris.

ED. AMERICAN FLORIST:—

A few years ago I got some German Iris from Europe and the following spring they showed signs of disease. The plants are in very good condition, especially the roots, which I examined very closely. The trouble lies in the bud. Just as it is ready to open it withers up and appears like tissue paper. It just laps over and will not open at all. The light lavender shade of the early variety is the worst.

Ohio.

GARDENER.

The light lavender early flowering Iris is probably *I. Florentina*, the plant from which the *Orris*-root of commerce is obtained, and not a typical German Iris. The trouble named is unusual, but is probably due to lack of healthy root action. All the rhizomatous section need a very sandy soil to thrive well. This enables the roots to ripen well in the autumn months. We often see trouble follow after a wet autumn, as we had last year, even to the rotting of the rhizomes. I do not think it is disease or this would be visible. Transplant to a sunny situation in August next, adding plenty of sand around and under the clumps. There is a disease that attacks the foliage soon after flowering, and this seems incurable as we cannot get spraying liquids to stick to the foliage. It eventually weakens the plants so they do not bloom well. Possibly your plants were affected with this leaf-disease last summer. E. O. ORPET.

MIDDLETON, CONN.—The collapse of the iron framework of a new greenhouse being built just south of A. N. Pierson's main plant in Cromwell, Sunday, June 9, resulted in a loss of \$5,000. It is thought the accident was caused by the high wind. About four hundred feet of framework was already up.



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.  
Orchids Exhibited by Lieut. Col. Sir George Holford, Westonbirt, Gloucestershire, Eng.



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.

Orchids Exhibited by Sander &amp; Sons, St. Albans, Herts., Eng.

## PLANT NOTES.

### Calceolarias.

A plant that always attracts attention and is as decorative as a cineraria or other plants of that kind, and yet but little grown, is the calceolaria. The culture is very similar to that of the cineraria and is fully as easy. The seeds should be sown at once and shaded until they have produced one or two leaves when the shade should be made lighter. As soon as large enough they should be potted into small pots and shifted along into larger sizes as fast as is required. They should, as soon as well established, be given a light, airy location not shady enough for them to become drawn, but if in the full sunlight will have to be watched closely that they do not get dry. They will require cool quarters during the winter, if nice stocky plants are desired, and under this treatment fine 6-inch pot plants may be had in bloom in early spring that will surely attract attention. For the last potting a good rich soil will be required and when they begin to bloom watering with liquid manure will be beneficial. Like the cineraria they are quickly ruined by aphid and constant fumigation will be necessary. Many growers stand the plants on tobacco stems which are renewed as the strength is lost.

### Freelias.

A crop of freesia, or a few plants in pots in bloom, at Christmas is a valuable asset on that holiday. In order to have them in bloom at that time the bulbs should be planted by July 1. Select the large strong bulbs, and by careful inspection many will be found

on which the root eyes are beginning to swell. These will make the earliest blooming plants, and this selecting will produce plants that will all bloom at the same time. The bulbs should be planted in a good soil enriched with well rotted manure with a good proportion of sand, but no fresh manure, it is a well understood principle that bulbs of all kinds do not grow well in soil full of fresh manure. Eight to ten large bulbs in a 6-inch pot will give the best results. The pots should be well watered and placed in a dark, cool place until the shoots appear above the ground, when they should be given a light location. As soon as the growths get tall enough they should be staked and tied. By continual early selection of the bulbs, and keeping the earliest separate, an early strain can be assured.

### Bougainvilleas.

The plants of bougainvillea that are through blooming should be cut back into shape and potted in preparation for the next season's growth. Much depends upon the summer care of all hard-wooded stock if nice specimens are to be grown. They should be plunged outside in a frame or placed in full sun in a light airy house. Outside culture is far preferable for all this class of stock in order that a good strong growth, well furnished with foliage, may be assured. Be sure that they never get too dry, the great danger of all hard-wooded stock is letting it dry out, for it does not show it as quickly as the softer growing plants but the check is more severe and the plants seldom fully recover from it. The young stock rooted earlier should be placed in a similar location, and kept well pinched back into shape, un-

til enough shoots have been obtained to insure a good shapely plant, when they can be allowed to grow freely, but any extra strong leaders are better cut back during the season. Any chance flowers that show should be picked off at once, that a good strong stocky plant may be obtained and the strength all retained for that purpose.

### Nephrolepis.

Probably no plant that the florist grows gives more return for the labor spent in its culture, or the space that it occupies than the Boston fern and its various sports. The old Boston is still, however, the easiest to handle and grow. The plants should be repotted every year, and with good treatment are sure of making nice plants. Any plants that are in poor condition can be divided and with the young stock planted in a bench of good rich soil. The house should be shaded enough to assure of good color on the foliage but not heavy enough to prevent the house being maintained at a good high temperature. During the day the house should stand at about 80° with a little ventilation which should be closed down before the sun leaves the houses. The plants can be set six inches apart and the soil should be two parts loam, one part leaf mold, and one part rotted manure. The house should be frequently syringed to keep a moist atmosphere. Under these conditions fine plants can be produced from young stock in three months. In September they should be lifted and placed in 6-inch pots, if single specimens are desired, or three or four plants can be placed in a 9-inch or 10-inch pot if larger plants are wanted. In lifting the plants they can be cut around about two inches from the crown, and lifted with a trowel leav-

ing the runners in the bench, if the place they occupy is not wanted at once. The runners will immediately break into small plants which can be placed in flats for young stock for the next season. The finer varieties of this fern such as *Whitmani* do not submit to the lifting and potting as well as the old Boston and better plants can be obtained by potting along into larger pots as may be required. The only insects that trouble these ferns are the brown scale, and the plants should be kept clean from these either by washing, or spraying with aphine, or a weak nicotine solution.

#### Oleanders.

A plant that does not receive the attention that it should is the oleander. While there probably would not be a large demand for this plant, yet it is an old time favorite and well grown specimens in bloom are a valuable addition to a porch or lawn. They are too often so sadly neglected that they get unshapely and far from being an ornament, but a little attention to trimming them into shape after they get through blooming will keep them in good condition. They can be wintered in any cool quarters, and if brought into the heat and light in early spring will be full of bloom in June and July and a valuable decorative plant. The cuttings root easily and at any time when the plant is in growth, and grow very rapidly for a hard-wooded plant. Any florist carrying a line of assorted stock should include a few of these in the variety which he cultivates. The only insect which troubles them is the mealy bug, but a good frequent hard syringing will soon dislodge them.

#### Poinsettias.

The propagation of poinsettias should be pushed to the utmost at this time, for it is the plants that are rooted early in July that make the best single specimens at Christmas. Those that are rooted later in July and during August will make fine plants for pans, placing four to eight plants in a 6-inch or 8-inch pan, for they will be much shorter than those rooted early in July. The plants that were rooted earlier should now be growing nicely and should be shifted into larger pots as soon as they require it; under no circumstances allow them to become pot-bound until the bracts begin to set in November. They should be placed in the bright sun as soon as strong enough to endure it, that the growth may be short and sturdy and the leaves as close together as is possible. A long, drawn plant grown in the shade, with the leaves far apart, is not the typical plant for the holidays and does not meet with approval.

#### Schizocodon Soldanelloides.

Ever since the introduction of this interesting plant about 20 years ago, by the late Capt. Torrens of Boston Manor, Hayes, it has been one of the chief subjects of interest to lovers of hardy plants, according to the London Gardeners' Chronicle. Those who have been successful in its culture can thoroughly appreciate its beautiful, bronzy foliage and charming pink flowers, which are heavily fringed. The plant belongs to a small, though most interesting Natural Order, *Diapensiaceae*, members of which are found in widely-

separated countries—North America and Japan. *Shortia* is a well-known genus belonging to the Order. There are two species of *Shortia* in cultivation: one, *S. galacifolia*, only found in North Carolina; the other, *S. uniflora*, only found in Japan. There is also said to be a third species, not yet introduced, which is found in China. Another popular garden plant is the North American *galaxaphylla*, with its large, beautifully-bronzed leaves, which are so much used in table decoration; while *Diapensia lapponica*, which gives its name to the Order, is an Arctic plant of prostrate habit, with pinky-white flowers. The last is a difficult plant to cultivate in the south.

*Schizocodon soldanelloides* is of tufted habit, with rounded leaves on petioles about two inches long, and the plant spreads by means of underground runners, which produce rosettes of leaves at their extremities. The *Soldanella*-like flowers are produced in racemes of three or four, on stems about three or four inches in height. The plant requires the conditions and treatment which apply to *Shortia*, namely, a cool, peaty soil, in a sheltered position, protected from excessive sunshine and cold winds. It is an ideal plant for the Alpine house when grown in pots or pans, in a frame with a northern aspect, but it resents disturbance at the roots.

NEW BRUNSWICK, N. J.—E. C. Matthes, of Woodside, L. I. N. Y., who recently purchased a farm at Middlebush, has opened a flower store at 96 French street. Mr. Matthes intends to erect a number of greenhouses on his Middlebush farm.



CATLEYAS AT POEHLMANN'S, MORTON GROVE, ILL., JUNE 13.



FUNERAL DESIGNS BY THE JOY FLORAL CO, NASHVILLE, TENN.

## THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

### The Flower Cuff Above Elbow.

This is meeting a popular demand at dancing parties and is made on a band of wide stiff ribbon on which the flowers are sewed and is tied to the cuff of dress just above elbow with a jaunty stiff bow loop. Sweet peas, cornflowers, marguerites or any of the smaller flowers lend themselves prettily to this arrangement.

A. E. KLUNDER.

### Flowers for Those Lost at Sea.

The recent wreck of the mammoth steamship Titanic when she crashed against an iceberg and carried more than 1,500 persons to the bottom of the sea was the cause of a report which appeared in THE AMERICAN FLORIST in the issue of April 27, stating that the Masons of Chicago had forwarded a large floral wreath on a White Star liner to be deposited in the water near where so many of their brethren had lost their lives. It seemed at once that it was ridiculous to drop into the water something that would be heavy enough to immediately sink below the surface, and this was so considered by those having the matter in charge, and the beautiful design was used at a memorial service held at the temple and although it was eventually sent out to sea and thrown on the water, yet the flowers were removed and statne and other flowers that had keeping

qualities were placed in their stead and with it loose flowers were forwarded on the steamer from New York which were scattered on the water over the graves of the brave men who so gallantly stood back and sacrificed their lives allowing the women on the ship to be saved. This certainly was a far better plan than to drop a heavy floral design and more beautifully betokens the sentiment which is universally adopted of placing flowers upon the graves of departed relatives and friends.

The placing of flowers upon the ocean as a testimonial in the memory of those who had been lost at sea was first adopted in the beginning of this century when in decorating the graves of the soldiers on Memorial day, those in charge of the services at Washington cast upon the water flowers in honor of those who gave up their lives in the navy, and this has been adopted in many of the cities on the seaboard and has been made a very interesting and important part of the programme of the Memorial day services after decorating the graves of those who died in the service of the country in the army to then proceed to the ocean and in honor of the naval heroes cast flowers upon the water, and in some places boats have been decorated and laden with flowers and then cast adrift to float upon the water in memory of the sailors. This was done in honor of those who were drowned when the ill-fated battleship Maine went down in the harbor of Havana, and this year when this battleship was raised and taken out to sea and sunk, upon the

water where the boat disappeared were strewn flowers in honor of those who lost their lives when she was first sunk in the sea.

### Nashville Designs.

The funeral designs illustrated here-with were made by the Joy Floral Co. for the funeral of the late Overton Lea, a prominent citizen and retired capitalist of Nashville, Tenn. Mr. Lea was the father of Senator Luke Lea. He died in Philadelphia, where he had gone for treatment. The flowers at his funeral surpassed anything ever before seen in this city, many beautiful tributes coming from Senator Lea's colleagues in the United States senate. In addition the other local florists were taxed to the limit. The Joy Floral Co. alone supplied five wagon loads of flowers. M. C. D.

### Pot and Soil For Asters.

ED. AMERICAN FLORIST:—

Kindly inform me what size pot is required to grow asters in. Do they require rich soil? J. F. Ontario.

If it is the intention to grow these plants to be sold in the pots as pot plants the 5 or 6-inch pots are large enough. They do not require a very rich soil to start out with, but as soon as they become well rooted in the pots they should be treated regularly once a week to a liberal application of liquid manure. C. W. JOHNSON.

TORONTO, ONT.—Miller & Sons are building five new greenhouses, each 30x300 feet, costing \$20,000.

### Among The Roses in Europe.

Address delivered by Robert Pyle, West Grove, Pa., before the American Rose Society at Detroit, January 11, 1912.

It is a real pleasure to live over again in thought the experience of last summer among the rose growers and in the rose gardens of western Europe. I shall try tonight to tell you what I saw of roses and rose growing among the peoples, in the public parks and among the rose growers themselves in the countries of France, Germany, the Grand Duchy of Luxembourg, England and Ireland; and to tell you, so far as I can, what they told me. If, in passing, we should take a look at some other phase of horticulture as produced by the Europeans, I trust you will not feel it departing too far from the subject in hand, and possibly a glimpse of the life among the people who do or who do not have roses of their own will serve as a setting of this description of our co-workers on the other side of the water.

Furthermore, may I ask you not to be disappointed if what you hear has to do mainly with roses as produced for open ground culture. Although I think I came in contact with the leading rosarians in each of the countries above mentioned I saw comparatively little of the roses being forced for the cut flower market. To be sure the summer climate in some of these countries permits of such perfect blooms that in England, for example, I recall having visited one prominent grower who was just making a shipment of some thousands, I think, all red blooms for a fete day at the university of either Oxford or Cambridge. All these were being cut from the open ground early in July. But I hope you will be interested in hearing somewhat of the conditions that obtain with those men abroad who are enthusiastically devoting the best of their lives to producing such roses as will meet the demand of our cut flower trade. For example, I just missed meeting one enterprising American rose grower, who was accustomed, every other year, at least, to spend six weeks in the homes and gardens of these particular hybridizers, in watching, comparing, discarding and selecting a rose or roses that he hopes will be a reputation maker in America. And right here comes in another point, which those getting roses from abroad, must bear in mind; that roses that thrive splendidly, in Ireland for example, fail in America and vice versa. Another one of the most prominent members of the American Rose Society was surprised to find in Europe one of his own pet introductions far surpassing anything he had ever seen it do at home.

Ocean travel has become so comparatively common that you will hardly wish to linger long upon our seagoing experiences. Festivities in connection with the coronation year were at their height soon after our arrival and while of keen interest, the rose was both king and queen for us; therefore we turned our steps immediately toward the continent. Tonight, however, with your permission, I would propose considering first the English rose growers and their products; also those of Ireland; and then, afterwards, since it has become quite the habit of enterprising people to cross the channel in flying machines, we will trip directly to Paris, then to southern France, across the lakes and mountain peaks of Switzerland, come down the Rhine into Germany, stop for a day with the great Lemoine, who has since died, and before we say "Good-bye" for home, I ask you to drink with me from the fountain of inspiration that comes from visiting what I suppose is one of the most beautiful and cer-

tainly the most complete and perfect rose gardens which I ever saw.

Last summer in England was a very dry one, vegetation suffered and the roses too until late in the season, for I understand the fall shows were a very great success.

Let us go first to Colchester. We arrive at seven in the morning. Nearest the station is D. Prior & Son, the old gentleman having retired, leaving affairs in charge of his son who is manager, with Mr. Heath, the foreman of sixty men. A half mile away are Benj. R. Cant & Sons, among the largest of the growers, I think, in England. They report 100,000 tree roses in 200 different varieties; they had sixty men at work on fifty acres, with a very interesting trial garden showing not less than four or five hundred varieties, the most of them blooming luxuriously. They were also growing climbing roses under glass even in July, and another item of interest came to my attention as I approached their office through the fields when I found the men had just left for breakfast after an hour and a half, or more, at work; and one old gentleman laborer, too lame to walk far with the rest, was eating his breakfast from a pail. He outlined their day's work, which is quite as long as ours, with this difference, that the men left home and started work earlier but stopped oftener through the day with a lower wage than is customary on our side.

Furthermore, rose growing seems to run in families. We cross the road and two fields and come immediately to the establishment of Frank Cant & Co., another many times winner of the coveted trophy awarded by the National Rose Society for the champion rose grower of the year. Mr. Cant is mayor of Colchester at present, and as such had recently taken part in the many processions held in honor of the coronation, so that my photograph of him was about number 56 in less than half as many days. Mr. Nevard and his men referred to Mr. Cant as "The Governor" but this is the customary way of designating the proprietor of all the establishments there.

to inquire especially regarding an order being made ready for the Gardens of the Royal Palace, whom they had as one of their best customers. Two stations beyond, at Chestnut, is another firm, Paul & Son, George Paul, proprietor. Among all these growers one is impressed by the fact that they are handling two or three times as many varieties of roses as are the largest dealers on this side of the water.

Enroute to Ireland we will stop at Somerset at Kelway & Sons and see their splendid assortment of hardy perennials with their sample perennial border for the benefit of their patrons who visit them; and their acres upon acres of peonies, which are so beautifully reproduced in color in their 342-page catalogue. Reaching Liverpool it is a very small matter to take boat at 10 p. m., and if you are an early bird you will be up in time to see the glory of the morning light on the beautiful harbor of Belfast, a fitting birthplace for the ocean liners like the Olympic and the Titanic, the latter of which we passed still stripped and being finished and furnished near her launching place.

If you would see roses abroad at their best do not leave out Belfast but arrange in your going to avoid arriving on Orangemen's day. The American racket on the Fourth of July seems mild in comparison. I had not more than reached my hotel, about 10 a. m., when I was startled by strange sounds outside my window and soon learned that it came from the gathering clans, preparing for the Orangemen's parade. The most memorable feature of that parade, after the great variety of banners and the crowds and the Scotch bagpipes and some really good bands, were the drummers and drums—such as you when a boy may have dreamt of. Their size in my recollection is six feet in diameter, but I suppose that is exaggerated; it took two men to carry them as a rule, and the principal competition of the day seemed to be between these men with their drums, each striving to outbeat the other. The procession was about two hours



ENTRANCE TO NATIONAL ROSE SOCIETY'S SHOW, LONDON, ENGLAND.

London is a most convenient center from which to visit Colchester, Canterbury, the home of George Mount & Sons; Farnham in Surrey, where are S. Bide & Son, specialists in sweet peas and other horticultural lines, as well as an extensive rose business; and most interesting and quite as important as any is Waltham Cross, the century-old place of Wm. Paul and Son, now in charge of Arthur William Paul, whose photograph you will see later as one of the judges at the Bagatelle. During my visit he was interrupted once or twice by his foreman

long passing our window enroute to a countryside place, where they spent the day in holiday fashion, repeating the same uproar on their return at night.

There are three great rose growers near Belfast and each one is the best one. Across the street from my hotel was the town store of Alexander Dickson & Sons of Newtonards. They are probably best known to American growers. But of similar prominence there, is the firm of Messrs. Hugh Dickson, the Royal Nurseries of Belfast and the this year winner of the national trophy, and thus declared



champion rose grower of the year in the British Isles. The proprietors in both firms are grandsons of the original Alexander Dickson. As you well know, both firms are doing excellent work in producing, almost annually, new roses of unquestioned merit. In Belfast you will find almost everyone knows Samuel McGredy & Sons also. The present proprietor is a cousin of the Dicksons. He does his own hybridizing; he also has a son at college, so that it looks as if there was good promise of good roses to come from Ireland for many years yet, for certainly the climate is what they like, the soil is great and they do grow

and are even pruned so that every curl is as perfect as the human touch can make it.

I expect that there is a value in these English flower shows to the prize winner that we cannot fully appreciate; pictures of the trophy are published in their catalogues, a list of the prizes won is played up most prominently in their advertising literature, and unless a grower can show some prizes to his credit his chances for good business are slim. So you see the rose show in England is a very important part of the business; they not only help in advertising the grower but they help enormously to educate the growers and

with a huge bouquet in the center; smaller ones around the table, with boutonniere or place roses.

Royalty has the first peep and a real regal peep it is; so we cannot wonder that our fellow growers in England spend time and thought and money and spare no pains in applying manure water to the backward plants and by shading the bleaching sun from some promising blossoms and by inventing every device that will help win the trophy. One other point: that all these shows may work harmoniously, the National Rose Society of England, as I understand, gives its support and co-operation to the local rose societies, and what I believe members of the American Rose Society need to learn is the part played there by the amateur, men of leisure, men of means, society women and many more join with the professional growers, until among numbers of them rose growing becomes a hobby, and their contribution to the success of these shows forms a very important factor, a point which I think our American Rose Society cannot longer afford to overlook. To be sure the interest among the English in horticulture has reached a much higher development than in America. For example, at the annual show of the Royal Horticultural Society held at Olympia, this photograph was taken ten minutes after the doors had been opened and I think there were no less than 2,000 people already in the hall; people whose knowledge of flowers and whose intelligence regarding their own horticultural requirements was evidenced by their close study and deep interest. They were there with note books in hand, already placing their orders for the following season. And here again the value of shows to our English brothers is apparent. And do you wonder that the continental growers publish catalogues in English, send their young men to England to learn their methods and the language, and are making each year a stronger bid for business from the English amateur?

(CONTINUED ON PAGE 1302)

WINSTED, CONN.—C. Fred Welch of Waterbury has entered into partnership with his father-in-law, Carl Swenson.

PATERSON, N. J.—Roses and peonies were exhibited in an early summer flower show, under the auspices of the People's Park Cottage Gardeners' Association, June 8.

HAMPTON, IA.—The Foley Mfg. Co., Chicago, has supplied the Curtis Floral Co. with material for two new houses, each 14 feet, 9 inches x 150 feet and one lean-to 5x150 feet.



FRANK CANT, COLCHESTER, ENGLAND, IN HIS TRIAL GARDEN.

magnificent flowers. I noticed on the lawns around their homes a real riot of roses; Mrs. Roosevelt, for example, a whole bed of them had blossoms twice as big as any I had ever seen growing in the open here. Caroline Testout was quite as fine, if not finer than we have it in Portland, Ore., so that when one was introduced to a new unnamed seedling, and the price of \$500 or \$1,000 put on it, the question that immediately claimed one's attention is "How will these roses do in America?" But it has to be tried.

I met Alexander Dickson in London at one of the shows, and he told me he had crossed the Irish Sea eleven times in the past fourteen days, going home to cut and make ready his flowers and going back to England to attend the various shows, for in rose season they are scheduled by the National Society to avoid conflict as much as possible between the more important cities, and the prominent growers are usually represented at not less than a dozen or twenty different shows in the early summer. It is tiresome work; the men go out at 4 o'clock in the morning and have orders to cut everything in sight, but this is not the beginning, for weeks in advance they have been watching, watering, shading, and they even go to the trouble of using a bit of candle wick to tie up the petals of a promising bud so that it will not open too soon. On the day of the show or the day before all these carefully watched and nurtured blossoms are cut, brought into the packing shed where the proprietor is busy for hours in simply selecting, discarding and making up the assortment for the show. He usually sends twice as many as are required for the entries and again discards all that are unworthy. When all are in place, and possibly a half hour before the judges are due, the roses that have been tied up with candle wick are freed so that the petals are allowed to open back

the amateurs. Go with me to the National Rose Show held in Regent's Park this past year. These illustrations will show the crowd of people who attended. Automobiles lined up, coming and going, a constant line of not less than fifty or sixty people awaiting entrance throughout the entire afternoon to the tent of new seedling roses, and this tent but a small, though very important part of hundreds upon hundreds of entries. A military band in attendance made the affair still more attractive; society counts upon it as their day. Another feature that appealed to me as most particularly suggestive and quite worthy of impression, where possible, was the tent devoted to roses for use in table decorations where there were special combinations worked out. On this table would be a study of yellow



PRES. PEMBERTON OF THE NATIONAL ROSE SOCIETY AT REGENTS' PARK, LONDON

## AMERICAN ASSOCIATION OF NURSERYMEN

Annual Convention, Boston, Mass., June 12-14, 1912.

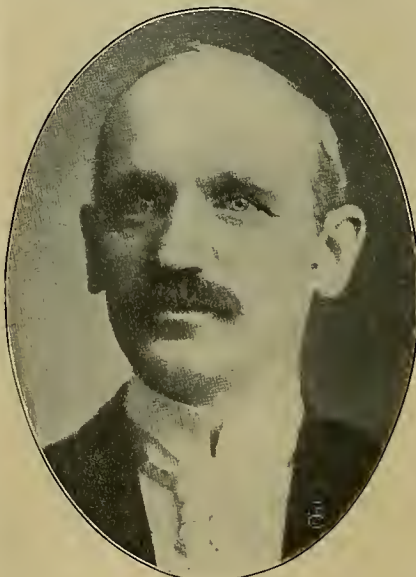
### Business Meeting.

At the thirty-seventh annual convention of the American Association of Nurserymen held at Boston, Mass., June 12-14, a preliminary report of which appeared in our issue of June 15, page 1268, Mayor Fitzgerald's welcoming address had to be postponed until the second day, owing to some duties he had to perform in connection with the elevated railroad strike, but it was none the less cordial and to the point. He expressed the hope that something may be done to stimulate an interest in agriculture in the American youth, and stated that he had caused to be introduced before the legislature a bill for the establishment in the Metropolitan district of an agricultural school, and hoped to have a school of this kind established in the near future. He said further: "With the cost of fruit advancing 20 per cent in a year, and the cost of vegetables constantly increasing, it is deplorable to note that there has been no increase in the acreage devoted to the raising of farm products in this State. I have noticed when I have ridden out Sundays in my automobile around the country hereabout the immense waste of soil. There are thousands of acres that are seemingly abandoned. One would think that with potatoes, for instance, as high as they have been, that many people might profitably engage in the cultivation of them."

The annual address of President Dayton dwelt to a great extent upon legislation to prevent the spread of insect pests and diseases on nursery stock. "We are told," he said, "that automobiles, lunch baskets, outer garments, in fact almost anything passing through certain sections, may carry dangerous insects to another state or section, which may develop to such proportions that that section, or even the entire state, may be quarantined and the shipment of nursery stock prohibited. Under such circumstances it seems to me imperative, not only that we impress on every grower of stock the necessity for eternal vigilance, but also that it is up to him, by every means in his power, individually and collectively, to help secure such legislation as will enable his state not only to inspect, but to destroy all infested stock. Our body ought to be able to help formulate, pass and enforce such laws, and they should be practically uniform in every state."

That nurserymen generally are keenly alive to the importance of this subject was shown by the lively discussion elicited by the report of the Legislative Committee. Mr. William Pitkin presented a report for states east of the Mississippi River, signed by a majority of the committee, also a minority report written by Mr. Irving Rouse, who was unable to attend. Mr. Pitkin's report dwelt on the efforts made by the committee to secure proper legislation. The bill now before Congress, providing that it shall be unlawful to import nursery stock until a permit has been issued therefor by the Secretary of Agriculture, was deemed by the committee to be as good a bill as could be secured at this time. At any rate, the committee feared that if this

were not accepted, there might be even worse legislation. Mr. Pitkin called attention to the fact that there will probably not be any legislation on this subject during the present session of Congress. The minority report of Mr. Rouse practically favored abolishing all inspection of imported stock. A motion by Mr. Morey that this report be accepted was lost. Mr. Peter Youngers, of Nebraska, gave a report on legislative matters west of the Mississippi, dealing almost entirely with efforts at getting test cases instituted and court rulings on laws now in existence in several western states. Up to this time no rulings of importance have been obtained.



Thos. B. Meehan.

Pres.-Elect American Association of Nurserymen.

At the suggestion of Mr. Pitkin, a committee was appointed to draw up a resolution formulating the views and wishes of the convention in regard to further action of the legislative committee, and toward the close of the convention the following was adopted:

**RESOLVED.** That the report of the Legislative Committee on matters of Federal Legislation be accepted and that their endorsement of House Bill No. 24119 be approved, and, further, that the new Legislative Committee be instructed to co-operate with the United States Department of Agriculture in urging the speedy passage of the bill referred to, or any other bill not materially changing the provisions thereof. The convention further voted the sum of one thousand dollars to be expended in the further prosecution of test cases, particularly the case of Mr. W. C. Reid, of Vincennes, Indiana, against the Colorado authorities for unwarranted destruction of a carload of nursery stock.

The Committee on Root Gall reported that in the states of Alabama, California, Georgia, Iowa, Montana, Minnesota, Oregon, Pennsylvania and Texas there had been test plats established in the leading nurseries for the purposes of determining whether or not root gall is injurious to trees. The re-

sults of these experiments will be tabulated and presented at future conventions for action.

A brief history of the nursery business in the West was given by Mr. D. S. Lake, of Shenandoah, Iowa, who began business there in 1886. At that time money was plentiful and there was a great demand for nursery stock. First class apples, 5 to 6 feet, wholesaled at \$180 to \$200 per thousand, and second class at \$125. Mr. Lake had paid as high as \$350 per thousand for first class pear, and \$300 per thousand for first class cherry. Calipers, tree diggers and storage buildings were unknown. Trees were graded by height, tree digging was done with spades and trees for the spring trade remained in the nursery row and were taken up and trenched in after the frost was out of the ground. With the panic of 1873 and drouth and grasshoppers in Kansas, Nebraska and Iowa, the nursery trade became greatly demoralized. But from 1890 on there has been great improvement, and the business is now on a very substantial basis.

Prof. Worsham, who has for some time been identified with the Conservation movement, asked that a representative of the American Association of Nurserymen be appointed as a member of the Advisory Board of the National Conservation Congress, and a motion authorizing the president to make this appointment was carried.

"Should Nurserymen Grow More Varieties?" was the subject of a paper by S. Mendelson Meehan, who gave his views from the standpoint of a mail order business and local suburban trade.

A supplemental report was handed in by the Committee on Transportation, calling attention to the fact that bills of lading should now be stamped, or printed, "dormant trees," "dormant plants" or "dormant shrubbery," as the case may be, as all of the classifications are adopting the uniform classification schedule of nursery stock, which provides for "dormant" and "not dormant," the dormant taking the cheaper rates. On any shipments simply reading "trees," "shrubbery" or "nursery stock," the agents will always bill it at "not dormant" rates, thereby causing the nurserymen to pay higher rates.

The Committee on Standardization of Grades reported that there had been printed in the trade journals a uniform set of grades to be adopted by the Association, one month previous to the meeting of the convention. The standards so printed and submitted by the committee were unanimously adopted.

The Publicity Committee, in their report, said: "It has been made evident to the members of the committee through the investigations they have conducted, that a serious crisis will very shortly confront the trade, unless radical steps are taken to place it before the people of the country in its proper light. It is equally clear to the committee members that such steps may be taken as will render the publicity of every advertising nurseryman more productive of results than it has ever been, and insure a volume of business in proportion to selling expenses altogether out of proportion to that which now obtains. The committee feels that the work of the past year should be carried forward, and that such work, when placed before the members in bulletin form, will constitute a service of considerable importance and usefulness."

The committee further reported that its work had been handicapped by lack of funds, and a motion was carried increasing the membership of the committee to seven, and putting the sum of \$500 at its disposal for carrying on the work.

#### Next Meeting at Portland, Ore.

For the first time in many years the selection of the next place of meeting brought forth no opposition nor discussion, and Portland, Oregon, was selected unanimously as the next meeting place.

The following officers were elected:

President, Thomas B. Meehan, Dresher, Pa.

Vice President, J. B. Pilkington, Portland, Ore.

Secretary, John Hall, Rochester, N. Y.

Treasurer, C. L. Yates, Rochester, N. Y.

Executive Committee: Henry B. Chase, Huntsville, Ala.; J. W. Hill, Des Moines, Ia.; P. A. Dix, Salt Lake City, Utah.

It was thought by some that the time of meeting heretofore had been too early, and a resolution was adopted, authorizing the executive committee to fix the time at a later date in June, if thought advisable.

The newly elected president, Mr. Thomas B. Meehan, has attended the meetings of the American Association of Nurserymen for about thirty years, and has served in various capacities on committees and in some of the minor offices. He has also, for twenty-three years, been Secretary of the American Protective Association. The Meehan nurseries comprising some 250 acres devoted mainly to ornamental stock, were founded by the father, Mr. Thomas B. Meehan, Sr., in 1856, and the work is now being carried on by three sons. The wholesale part of the business is now being carried on by the present Thomas B. Meehan, at Dresher, just outside the city limits of Philadelphia.

It was pleasant to note among those present, both this year and last year at St. Louis, a woman "nurseryman," Miss Martha J. Lear, representing the Morris Nursery Company at West Chester, Pa. Miss Lear, besides her work in connection with the nursery, is also prominently identified with municipal improvement work and the Children's playground movement.

#### Social Features.

Much time was given to the social features of the convention. Many of the members brought their wives, and the beautiful parlors and lobby of Hotel Somerset were always crowded during the intermission with well-dressed people gathered in small social groups. The entertainments provided by the local committee were on a lavish scale. Of especial interest was an auto trip to Arnold Arboretum, where the party was welcomed by Mr. Jackson Dawson and Mr. E. H. Wilson, who both called attention to the great collection of hardy woody plants and trees collected from all over the globe and growing now to great perfection on ground that 40 years ago was still a wilderness. A beautiful sight was presented by the blooming of great masses of rhododendron and mountain laurel, extending for quite a distance along the banks of a little stream, a great forest of hemlock forming a dark green background. The Sargent estate, with its famous sunken

garden was also visited, also Franklin Park, and Marine Park.

One afternoon was devoted to a trip around Boston Harbor, and a fish dinner at Nantasket Beach.

As many as could spare the time after the close of the convention went to South Framingham and Abington, where entertainment was provided by the nurseries located there.

#### Report on Exhibits.

The exhibits this year made up in quality what they may lack in quantity. Many varieties of rare conifers, shrubs and peonies were shown, while catalog makers and supply houses exhibited fine samples of their productions.

The following is a list of firms represented:

The American Forestry Company, South Framingham, Mass., a large collection of "Little Trees," tree seeds and examples of forestry work.



The Late J. J. Harrison.

Bay State Nurseries, North Abington, Mass.; rare conifers, deciduous trees and shrubs.

J. G. Harrison & Sons, Berlin, Md., collection of fruit trees, showing second years growth, and coniferous evergreens.

T. C. Thurlow Sons, West Newbury, Mass., collection of Peonies, showing some of the best varieties in cultivation.

W. A. Manda, Inc., variegated or golden-leaved privet.

Baker Bros. Co., Fort Worth, Tex., a new hardy salvia in bloom, *Salvia Greggii*.

W. N. Scarff, New Carlisle, O., exhibit of small fruit plants.

P. J. Berckmans Co., Augusta, Ga., five specimens of *Biota Orientalis* Com-pacta.

Breck-Robinson Nursery Co., Boston and Lexington, Mass., colonial plant tubs and trellises, bay trees, etc.

A. B. Morse Co., St. Joseph, Mich., horticultural catalogs and printing.

J. Horace McFarland Co., Harrisburgh, Pa., publicity service and horticultural printing.

Nathan R. Graves, Rochester, N. Y., high class photographs of trees, plants, and flowers.

Rochester Litho. Co., Rochester, N. Y., plate books and horticultural printing.

Stecher Litho. Co., Rochester, N. Y., colored plates and plate books.

United Litho. Co., Rochester, N. Y., colored plates and printing.

Thomas Meehan & Sons, Dresher, Pa., raffia.

McIntuchinson & Co., N. Y., raffia.

Benjamin Chase Co., Derry, N. H., labels and tree and plant stakes.

Dayton Fruit Tree Label Co., Dayton, O., labels and stakes.

Allen-Balley Tag Co., Dansville, N. Y., tree tags, labels and stakes.

Clinton Falls Nursery Co., tree planting machinery and box clamp.

## OBITUARY.

### J. J. Harrison.

J. J. Harrison, president of the Storrs & Harrison Co. of Painesville, O., and an early and prominent member of the American Association of Nurserymen, died June 11, at the age of 83 years, at Eustis, Fla. The funeral services were held June 15 at Painesville. Mr. Harrison was English by birth, having come to this country in early youth with his parents. His early life was spent on the farm, but an injury compelled him to take up another line of work and after completing his education he went into the nursery business, traveling about the country as a tree top grafter. In 1858 Mr. Harrison established a nursery on his father's farm and a little later entered into a partnership with Jesse Storrs. Later the company was incorporated and is now a close corporation, the partners holding the stock. Almost from the start the Storrs & Harrison Co. became one of the most successful seed and plant firms in the country, and now deals extensively throughout the United States. Mr. Harrison had not been actively engaged in the work for about fifteen years, having retired on account of poor health, but still retained his position as president of the firm. A son and daughter survive.

### Joseph Labo.

Joseph Labo, of Joliet, a well-to-do florist and active participant in the work of St. John's German Catholic church and the several fraternal societies to which he belonged, died suddenly at his home last Saturday, June 15 of cerebral hemorrhage. He had gone out to his greenhouses as usual at an early hour and when he returned to the house for breakfast, at 7:30, he fell and did not regain consciousness before his death, three hours later. The late Mr. Labo was 43 years of age and came to this country from his birthplace in Germany, in 1891, stopping first at Rochester, New York, and coming then to Chicago, where he was given a position as gardener on the Lincoln park force. A year later he was engaged as one of the florists in charge of the exhibits and grounds of the World's Columbian Exposition and upon the close of the fair he came to Joliet as head gardener of the state penitentiary. In 1896 he was married to Miss Margaret Fisher and went into business for himself. He had many good qualities that won him a high place in the estimation of his friends and aside from his work as a florist he was well known throughout the city for his vocal and histrionic talents and his personal popularity made him a welcome member in the fraternal orders to which he belonged.

### John Roscoe Fuller.

John Roscoe Fuller, seedsman and florist, of Floral Park, N. Y., died suddenly on the morning of June 13, after a brief illness. Mr. Fuller was a native of Maine, had lived at Floral Park about 30 years, and was in the sixty-fourth year of his age.

# THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

**THE AMERICAN FLORIST,**  
440 S. Dearborn St., CHICAGO

**THIS ISSUE 60 PAGES WITH COVER**

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RENEW subscriptions promptly so that no copies of the paper may be missed.

We regret to learn as we close to go to press of the death of Theodore Frank of Buffalo, N. Y., June 14.

A FRENCH flower grower offers in a recent circular, printed in English, "Hig growing Pinks," "Well Rosted Slips."

SIR HARRY VEITCH.—Harry James Veitch, the well known London horticulturist prominently identified with the recent international exhibition, has been knighted by the king.

WE ARE in receipt of copy of the premium list for the fourteenth annual exhibition of the Tarrytown Horticultural Society, to be held in Music Hall, Tarrytown, N. Y., November 6-8. Copies of the list can be obtained from Secretary Edward W. Newbrand, Tarrytown, N. Y.

## Chicago Convention Arrangements.

Vice-Chairman Fred Lautenschlager of the entertainment committee has negotiations in hand by which it is hoped to secure Ravinia Park for the convention outing August 23. This is Chicago's most select and delightful resort, located about 45 minutes' ride from convention hall. Ravinia affords every accommodation for a gathering of this kind and the attractions include grand opera and Damrosch or Thomas orchestras in a charming setting with all modern appointments. Transportation facilities are admirable in every respect and if the negotiations are brought to a successful close, as anticipated, the visitors may look forward to a most enjoyable occasion.

Envelope stickers and another supply of shipping case dodgers will be ready for distribution next week.

MICHAEL BARKER, Chairman,  
Press and Advertising Committee.

## Soil For Geraniums.

ED. AMERICAN FLORIST:—

We started our geranium cuttings and then changed to 3-inch pots, using the best soil from the farm (the dirt that comes off the beets) or soil from a swamp (no muck) that is heavy with some decaying elm bark. This latter has some traces of white alkali in it, but our geraniums simply do not grow good in it. We saw no need of fertilizer on such soil and did not use any, and by Memorial day our geraniums were poor and hardly any good bloom on them. This year we got the 4-inch pots out in the cold frame early and used manure water on them once a week consisting of a sack of wood ashes and a small one of hen manure. But the cold, wet, cloudy weather held them back so we had to buy for Memorial day. Now we have some of those small ones in 4-inch pots that will be carried over and would like to know why they do not grow in that rich soil.

J. F. T.

Michigan.

In answer to the question of "J. F. T." I will give a few points on our method of growing geraniums. The demand is for the best plants possible in full bloom in 4-inch pots. The cuttings are put in the sand during September and early in October. They are rooted by the first part of November and ready to take the place made vacant by a batch of early or second early chrysanthemums. We pot them into 2½-inch pots, using a fresh, live soil containing a very small portion of well-rotted manure. They are held in these pots until the middle of January, when they are re-potted into 3-inch pots, using a soil about the same texture as before. This size of pot carries them along to the middle of March. They are then re-potted into 4-inch pots, using a compost containing one-fifth of well-rotted manure.

Geraniums should be potted firmly, grown cool, held a little to the dry side during the winter months and topped as they require it up to the first of March. After this date very little topping should be done or they will not be in good bloom for Memorial day. It is a very easy thing to overdo it as regards fertilizer for geraniums, and cause them to make an over-abundance of growth at the expense of bloom. We have never had to resort to feeding as described in the inquiry,

so I do not know what its effect would be, but according to the results given am of the opinion that it was overdone. Let me advise for another season to follow the method as advocated herein, which can be summed up tersely as follows: Start the cuttings in good season, grow cool, hold a little to the dry side during winter, re-pot at the proper time, do not crowd the plants, and avoid any forcing. With a reasonable amount of care to the other little details they should be in good shape for Memorial day.

C. W. JOHNSON.

## Society of American Florists.

THE TRADE EXHIBITION.

The trade exhibition at the time of the convention of the Society of American Florists, at the Coliseum, Chicago, will surpass anything of the kind ever held. Exhibitors at former conventions are reserving much more space than in the past. Owing to the height of some of the exhibits of the greenhouse builders and dealers in boilers and heating apparatus, a slight change in the diagram was made necessary. Those interested in these lines may procure a revised diagram of available floor space by application to the Secretary. A special location has now been provided for the exhibition of automobile delivery trucks, and this will be made an attractive feature of the show. Intending exhibitors in any of the classes should not delay in sending in their application. The correspondence from all sections shows that manufacturers in all lines are awake to the importance of this coming convention. Locations have been assigned to:

S. A. Anderson, Buffalo, N. Y.  
A. A. Arnold, Chicago.  
Chas. D. Ball, Holmesburg, Pa.  
Estate of Lem. Ball, Phila., Pa.  
W. W. Barnard Co., Chicago.  
L. Baumann & Co., Chicago.  
Bayersdorfer & Co., Phila., Pa.  
A. T. Boddington, New York.  
Philip L. Carbone, Boston, Mass.  
John Lewis Childs, Floral Park, N. Y.  
Arthur Cowee, Berlin, N. Y.  
Robert Craig Co., Philadelphia, Pa.  
A. Dietsch Co., Chicago.  
Henry A. Dreer, Philadelphia, Pa.  
Foley Mfg. Co., Chicago.  
G. M. Garland Co., Des Plaines, Ill.  
Benj. Hammond, Fishkill, N. Y.  
Hitchings & Co., New York.  
Jackson & Perkins, Newark, N. Y.  
King Cons. Co., N. Tonawanda, N. Y.  
Kroeschell Bros. Co., Chicago.  
Lion & Co., New York.  
Lord & Burnham Co., New York.  
McFarland Pub. Ser., Harrisburg, Pa.  
H. F. Michell Co., Philadelphia, Pa.  
John C. Moninger Co., Chicago.  
Pennock-Meehan Co., Phila., Pa.  
Pierson Co., Tarrytown, N. Y.  
Poehlmann Bros. Co., Chicago.  
C. C. Pollworth Co., Milwaukee, Wis.  
Quaker City Mch. Wks., Richm'd, Ind.  
Raedlein Basket Co., Chicago.  
A. L. Randall Co., Chicago.  
Revere Rubber Co., Chelsea, Mass.  
M. Rice & Co., Philadelphia, Pa.  
Schloss Bros., New York.  
Sefton Mfg. Co., Chicago.  
Stan'd Pump & Eng. Co., Clevel'd, O.  
B. Hammond Tracy, Wenham, Mass.  
United Fertilizer Co., Chicago.  
Vaughan's Seed Store, Chicago.  
James Vick's Sons, Rochester, N. Y.  
Wertheimer Bros., New York.

JOHN YOUNG, Sec'y.

**Meetings Next Week.**

Baltimore, Md., June 24, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.  
 Cleveland, O., June 24, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.  
 Hartford, Conn., June 28, 5 p. m.—Connecticut Horticultural Society, County building.  
 Lake Forest, Ill., June 26, 8 p. m.—Horticultural Society of Lake Forest, Connell Chamber, City Hall.  
 Toledo, O., June 26.—Toledo Florists' Club.

**Wants, For Sale, Etc****One Cent Per Word, Cash with Adv.****For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—Position as foreman or carnation grower. Middle states preferred. Age 40. Address Key 652, care American Florist.

**Situation Wanted**—By expert carnation grower; can also grow good roses; competent to take full charge; state wages and particulars in first letter. Address Key 653, care American Florist.

**Situation Wanted**—By German, 38 years old; life experience in general greenhouse work and vegetables; good references; able to take full charge. Address H. GRAUE, 70 S. Regent St., Port Chester, N. Y.

**Situation Wanted**—By young man (German), 21 years of age, bookkeeper by trade; would like to learn decoration and design work; can furnish best of references. Address Key 653, care American Florist.

**Situation Wanted**—General greenhouse man and chrysanthemum grower, middle aged, single, wants position in commercial place. Best of references. Address Key 635, care American Florist.

**Situation Wanted**—By carnation grower; specialist; middle-aged, single; guarantees to grow very best stock; wholesale or retail place, east or south-east, preferred. Address Key 648, care American Florist.

**Situation Wanted**—As gardener; 19 years experience growing roses, 'mums' carnations, pot and bedding plants. Greenhouse or outside work; single man, 29 years old, on private place, steady position. Address Key 634, care American Florist.

**Situation Wanted**—As florist and gardener; can take full charge of greenhouses and gardens. Good practical experience in England and America. Have excellent references. Abstainer. Have position, but desirous of improving upon same. Address Key 645, care American Florist.

**Help Wanted**—Good grower for carnations and chrysanthemums. FRANK BEU, 4435 North 40th Avenue, Chicago.

**Help Wanted**—A good grower of carnations, chrysanthemums and bedding plants; must be first-class; one from around New York preferred. Address Key 654, care American Florist.

**Help Wanted**—Young man for general greenhouse work on up-to-date carnation place near Chicago; state wages wanted with board and room. EDWARD MEURET, Park Ridge, Ill.

**Help Wanted**—2 or 3 young men as helpers under foreman, at once. State wages and particulars. None but steady, sober ones wanted. Address Key 651, care American Florist.

**Help Wanted**—First-class salesman and designers for our retail stores. Apply to HERMAN BERSHAD, care Loeser's, Fulton St., Brooklyn.

**Help Wanted**—A good carnation grower with money to invest in an established florist business, must be hustler and capable of looking after men. Address Key 647, care American Florist.

**Help Wanted**—Thoroughly experienced greenhouse man, single, for private place. Permanent position. State salary and give references in first letter. Address 1918 East 40th St., Cleveland, Ohio.

**Help Wanted**—Several quick potters, also man to take charge of palms and decorative stock. State wages expected in first letter. Address VAUGHAN'S GREENHOUSES, Western Springs, Ill.

**Help Wanted**—Handy man, one who can do such work as steam fitting and be useful with carpenter tools, or such work that has to be done about a greenhouse; position permanent; wages \$15.00 per week. Address D. G. GRILLBORTZER, Alexandria, Va.

**Help Wanted**—In British Columbia, an all-round grower of carnations, 'mums and a general line of pot and bedding plants; a steady position to the right man; must be sober and industrious and understand the business. Address Key 649, care American Florist.

**Help Wanted**—For permanent position on private estate near Tacoma, Washington, man who has had three or more years' experience in conservatory work; must be capable, industrious and give good references from former employers; wages, \$65.00 and room. Address A. S. RUSSELL, care Thornewood, American Lake, Pierce Co., Washington.

**For Sale**—Three lots, 6000 ft. of glass; only greenhouse in hustling town of 6000 inhabitants; doing good business; no competition; at a bargain. Address J. H. FREEMAN, Salida, Colorado.

**For Sale**—Eight acres good land on rock boulevard, five and one-half miles from heart of Kansas City. Good greenhouse and well established business. Splendid opening. For particulars write A. PEACHEY, Merriam, Kas.

**For Sale**—"Improved Capito' Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80+ in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

**For Sale**—Well established florist business in center of city of 15,000; last year's sales, \$9,000.00; a No. 1 place; 4,000 feet of glass; store and small house connected. This is a No. 1 place, and will bear the closest investigation; will be sold at a bargain; cause, ill health. JACOB SCHNEIDER, Manistee, Mich.

**For Sale**—Seven large commercial greenhouses on three acres of land; eleven-room house and small house for help; three wagons, two horses. Good paying proposition; near New York City. Owner wants to sell on account of health. Apply CHAS. MILLANG, 55 W. 26th St., New York City.

**For Sale**—A good retail florist business; 25,000 sq. ft. glass; 7-room modern residence; 30 acres of good ground; all in city limits; good town; this place will stand close investigation; books to show; \$3,000 cash required, balance on time; \$12,500 for place; can make price of place in several years; to any one wanting a good business will be pleased to give full particulars by return mail. Address Key 641, care American Florist.

**For Sale**—Good and growing business. Will sell our Seed and Poultry Supply Store at a bargain. We take inventory July 1st, which will amount to about \$10,000. First class, fresh stock, well bought. Come and see what we have. No better country in the world. Los Angeles is growing phenomenally, and is finer in summer than in winter. Owner is not a seedman and has other business. WEST COAST SEED HOUSE, 116-118 East 7th Street, Los Angeles, Cal.

**Wanted**—A florist in an eastern city, owing to other business, wishes to incorporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

**Situation Wanted.**

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address Key 615, care American Florist.

**Seedsman Wanted**

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party. Address Key 628, care American Florist.

**FOR SALE**

House and lot at 4100 Ellis Avenue, Chicago. Alleys on both sides. Lot in rear large enough for three greenhouses. Owner lives on premises. Address Key 644, care American Florist.

**Help Wanted.**

A German manufacturer, who makes special heating plants and boilers for greenhouses, desires to secure the services of a capable representative in America (an experienced florist preferred) to start immediately. Apply in writing to

Key 610, care American Florist.

**Seed Catalogue Man**

Competent to prepare and issue a Seed and Plant Annual with other special printed matter for various departments. Also a knowledge of preparing advertisements is desired. A well known house of long standing desires to correspond at once with a person of experience. Write in full detail as to experience, etc. Address Key 650, care American Florist.

**For Sale--At Once**

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE, 1607 Second Avenue, Rock Island, Ill.

**FOR SALE OR RENT.**

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

**Wanted STOREMAN**

Young man with some knowledge of making up, more especially for Salesman; must be of good appearance. Permanent position assured if applicant is satisfactory. References required. Immediate engagement.

DUNLOP'S 96 Yonge Street, TORONTO, ONT. CANADA.

**FOR SALE.**

4 Hot Water Boilers, horse-shoe type, 4 ft. by 12 ft., new 4-in. flues; used 4 years. Price: \$200.00 each on board cars.  
 1 large Kroeschell Boiler, 5 ft. by 16 ft.: used 9 months; good as new. Price, \$300.00.  
 12 Evans Challenge Ventilator Machines, complete, with post, \$10.00 each. Arms. 20c; Hangers, 10c; Ventilator Chains, 10c per foot.  
 500 ft. 8-in. flat bottom Gutters ..... 12c per foot  
 750 ft. U-shape Gutters ..... 14c per foot  
 750 ft. Ridge ..... 3c per foot  
 750 ft. Furlin ..... 2c per foot  
 20 Panel Doors, with frame ..... \$1.75 each  
 250 Ventilators, 2 ft. 10 in. by 3 ft. 6 in., complete, with glass and headers, \$1.00 each.  
 Red Cedar Bars, cut to 10, 12 and 14 ft. lengths, at 1c per foot.  
 4, 5 and 6 ft. No. 9 Stakes, \$5.00, \$7.00 and \$9.00 per 1000.  
 All the above is salvage of 15 houses that were wrecked by cyclone last fall, and was all bought new four years ago. All mill material is of Washington red cedar, except purlins, which is of pine. Photos of boilers will be mailed on application.

GEORGE REINBERG, 162 N. Wabash Ave., CHICAGO

# Beauties, Carnations, Roses, Peonies

Fine Large Crops for  
JUNE WEDDINGS AND SCHOOL CLOSINGS

Buy Direct of the Grower.

We grow all the stock we sell and guarantee it strictly fresh.

We quote our selection of Medium and Short Stem Roses at \$20.00 per 1000 in lots of 500 or more. These are strictly fresh and well assorted for colors.

## Price List

Subject to change without notice.

|                                                                               |                 |                                       |                   |
|-------------------------------------------------------------------------------|-----------------|---------------------------------------|-------------------|
| <b>AMERICAN BEAUTIES</b>                                                      | Per doz.        | <b>CARNATIONS</b>                     | Per 100           |
| Extra long .....                                                              | \$3.00          | Extra long fancy, O. P. BASSETT ..... | \$2.00            |
| 36-inch .....                                                                 | 2.50            | Extra long, fancy white.....          | 2.00              |
| 24-inch .....                                                                 | 2.00            | Fancy pink .....                      | 2.00              |
| 18-inch .....                                                                 | 1.50            | <b>FINE EASTER LILIES</b>             |                   |
| 12-inch .....                                                                 | 1.00            | Per dozen .....                       | 1.00              |
| Short .....                                                                   | per 100, \$4.00 | Per 100 .....                         | 6.00              |
| <b>KILLARNEY AND WHITE KILLARNEY, RICHMOND, MARYLAND, KAISERIN AND PERLES</b> |                 | <b>LILY OF THE VALLEY.....</b>        | \$3.00 to \$ 4.00 |
| <b>AARON WARD AND RHEA REIDS</b>                                              | Per 100         | <b>SWEET PEAS .....</b>               | 1.00 to 2.00      |
| Extra long select.....                                                        | \$8.00          | <b>ASPARAGUS SPRAYS .....</b>         | 3.00 to 4.00      |
| Medium length .....                                                           | 4.00 to 6.00    | <b>SPRENGERI .....</b>                | 2.00 to 3.00      |
| Short .....                                                                   | 3.00            | <b>ADIANTUM .....</b>                 | \$1.00 to \$ 1.50 |
|                                                                               |                 | <b>GALAX—Bronze .....</b>             | per 1,000, \$1.00 |
|                                                                               |                 | <b>NEW FERNS .....</b>                | per 1,000 2.00    |

**PEONIES** and all Seasonable Flowers at market prices.

# BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Mention the American Florist when writing

### Chicago.

#### LONG WHITE ROSES SCARCE.

The market is in about the same condition that it was last week and the general report from nearly all the wholesale houses is that trade is quiet and very unsatisfactory. Carnations are in a great oversupply, but the quality is not up to the standard and in some cases the stock that arrives at the store is, so poor that the blooms are thrown away or sold to the street men in large lots at bargain prices. The demand still keeps up for American Beauty roses and lily of the valley with the supply about equal to the call. Peonies continue to arrive in large quantities and fancy stock is obtainable everywhere at very low prices. Long white roses are scarce and good sweet peas are none too plentiful. Lilies of very good quality are moving slowly and the same can be said of gladioli and even orchids, although the latter are selling much better than they did last week. Gardenias are very scarce and Cape Jasmine are about over. My Maryland and Kaiserin Augusta Victoria roses are arriving in fine condition and are as usual the favorite summer roses. Prince De Bulgarie, Melody and Mrs. Aaron Ward roses are growing in popularity and can be seen prominently displayed in many of the downtown stores this week. Pond lilies are also being used quite extensively in the window decoration and even orchids, both plants and cut blooms, are very common sights these days. Spanish iris, marguerites, field daisies, stocks and feverfew are among the daily offerings and greens of all kinds are plentiful. The republican convention is being held here this week but so far it has not proved to be of any great

benefit to the florist. School closings and weddings are now the principal orders, and some of the retailers are beginning to miss the orders from their regular customers who have left for their summer homes or to the resorts further north. The plant growers report an exceptionally fine season and in nearly all cases are pretty well sold



Zeck & Mann Individual Champion Cup.  
Chicago Florist League, 1911-1912.

out. The weather of the present week has helped trade considerably and the market is much livelier than it has been for many weeks past. The demand for fancy American Beauty roses is very good and some houses say that it was impossible on Tuesday and Wednesday, June 18-19, to fill all orders. The republican convention is now in session and the hotels and

headquarters are decorated with flowers of all kinds and is after all proving to be of some benefit to the florist. Out-of-town trade is also a little better and the first out-door asters of the season were seen in the market on June 18.

#### NOTES.

Vaughan's Seed Store has had an exhibition of very superior peony blooms at the downtown store, 31-33 West Randolph street, the past week. These fine blooms are from the firm's large stock of select varieties grown at the Western Springs nurseries.

J. F. Sullivan made the trip to this city on the S. S. City of Cleveland with the Detroit Commercial Association last week, arriving Saturday morning. He remained over this week for the republican convention.

Nellessen Bros., proprietors of the Niles Center Motor Express, are now delivering the products of the growers in that vicinity to the market in a magnificent new 3-ton motor truck.

Guy M. French and Richard Solm, of the Poehlmann establishment at Morton Grove, were aids to the sergeant-at-arms at the republican convention in the Coliseum this week.

The next meeting of the Florists' Club will be held at the Union Restaurant, Thursday, June 20, at 8 p. m., when important reports will be presented by convention committees.

John Poehlmann and E. F. Winter-son will celebrate their birthdays June 21, John was born in 1867 and Ed in 1868.

Clifford Pruner, E. H. Hunt's traveling man has returned from his western trip and A. F. Longren is also back from a trip through the south.

# Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone  
Randolph 35

CHICAGO, ILL.

## Cattleyas - Roses

Sweet Peas, Peonies, Valley

FOR COMMENCEMENTS NOW ON

### SPECIAL OFFER

Fancy Carnations in 1000 Lots, \$7.50 per 1000

Selection to be left to us. Good assortment of colors will be given.

## ROSES

1000 GOOD SHORT, \$10.00. Our Selection. Good Assortment in Colors.

**Extra Special For This Week!**

**FINE CATTLEYAS, \$20.00.**

New Fancy FERNS, \$2 per 100; now coming in excellent quality. Fine New Crop of Easter Lilies

### CURRENT PRICE LIST

Subject To Change  
Without Notice.

|                                                          | Per Doz.                     | Per 100 |
|----------------------------------------------------------|------------------------------|---------|
| <b>AMERICAN BEAUTIES.</b>                                |                              |         |
| Specials                                                 | \$3.00                       |         |
| 36-Inch                                                  | 2.50                         |         |
| Medium                                                   | \$1.50 to 2.00               |         |
| Short stem                                               | per 100 \$4.00, 6.00 to 8.00 |         |
| <b>PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.</b> |                              |         |
|                                                          | Per 100                      |         |
| Fancy                                                    | \$5.00 to \$10.00            |         |
| Medium                                                   | 6.00                         |         |
| Short                                                    | 4.00                         |         |
| <b>MELODY, fancy long.</b>                               |                              |         |
|                                                          | \$8.00 to 10.00              |         |
| Medium                                                   | 6.00                         |         |
| Short                                                    | 4.00                         |         |
| <b>MRS. AARON WARD.</b>                                  |                              |         |
| Fancy Long                                               | \$5.00 to 10.00              |         |
| Medium                                                   | 6.00                         |         |
| Short                                                    | 4.00                         |         |
| <b>RICHMOND, Fancy</b>                                   |                              |         |
|                                                          | 8.00                         |         |
| Medium                                                   | \$4.00 to 6.00               |         |
| Good Short                                               | 3.00                         |         |
| <b>KILLARNEY, Fancy</b>                                  |                              |         |
|                                                          | 8.00                         |         |
| Medium                                                   | \$4.00 to 6.00               |         |
| Good Short                                               | 3.00                         |         |
| <b>WHITE KILLARNEY, Fancy</b>                            |                              |         |
|                                                          | \$ 8.00                      |         |
| Medium                                                   | \$4.00 to 6.00               |         |
| Good Short                                               | 3.00                         |         |
| <b>ROSES, extra special billed accordingly.</b>          |                              |         |
| ROSES, our selection                                     | per 1,000                    | 10.00   |
| <b>CARNATIONS, extra fancy.</b>                          |                              |         |
|                                                          |                              | 2.00    |
| " common                                                 |                              |         |
|                                                          |                              | 1.50    |
| <b>SHASTA DAISIES</b>                                    |                              |         |
|                                                          | \$1.00 to                    | 2.00    |
| <b>ORCHIDS, Cattleyas, per doz.</b>                      |                              |         |
|                                                          | 4.00 to                      | 6.00    |
| <b>PEONIES, our selection</b>                            |                              |         |
|                                                          |                              | 4.00    |
| <b>EASTER LILIES</b>                                     |                              |         |
|                                                          | \$8.00 to                    | 10.00   |
| <b>SPANISH IRIS</b>                                      |                              |         |
|                                                          |                              | 4.00    |
| <b>STOCKS, fancy, per doz.</b>                           |                              |         |
|                                                          | \$0.50 to                    | 1.00    |
| Marguerites                                              |                              |         |
|                                                          | 1.00 to                      | 1.50    |
| Feverfew, per bunch.                                     |                              |         |
|                                                          | .35 to                       | .50     |
| <b>VALLEY</b>                                            |                              |         |
|                                                          | 3.00 to                      | 4.00    |
| <b>DAISIES, field</b>                                    |                              |         |
|                                                          |                              | .75     |
| <b>SWEET PEAS, fancy Butterfly</b>                       |                              |         |
|                                                          |                              | .75     |
| <b>SWEET PEAS, common.</b>                               |                              |         |
|                                                          |                              | .50     |
| <b>ADIANTUM CROWEANUM</b>                                |                              |         |
|                                                          |                              | 1.00    |
| <b>SMILAX, per doz.</b>                                  |                              |         |
|                                                          |                              | 2.00    |
| <b>SPRENGERI, PLUMOSUS SPRAYS.</b>                       |                              |         |
|                                                          | \$3.00 to                    | 4.00    |
| <b>PLUMOSUS STRINGS, extra long and heavy.</b>           |                              |         |
|                                                          | each                         | .60     |
| <b>PLUMOSUS, strong, long, medium.</b>                   |                              |         |
|                                                          | each                         | .45     |
| <b>FERNS</b>                                             |                              |         |
|                                                          | per 1,000                    | 2.00    |
| <b>GALAX</b>                                             |                              |         |
|                                                          | per 1,000                    | 1.25    |
| <b>LEUCOTHOE</b>                                         |                              |         |
|                                                          | per 100                      | .75     |

# WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

SPECIAL SALE ON CARNATIONS. Best Quality Blooms, \$10.00 per 1000.

Also Special Offer on Roses. Long, \$5.00 per 100; Medium \$2.50 per 100.

**CURRENT PRICE LIST.**--Subject to change without notice.

### American Beauties.

|                    |           |                    |           |
|--------------------|-----------|--------------------|-----------|
|                    | Per Dozen |                    | Per Dozen |
| 60-inch stems..... | \$3.00    | 24-inch stems..... | \$1.25    |
| 48-inch stems..... | 2 50      | 20-inch stems..... | 1.00      |
| 36-inch stems..... | 2.00      | 15-inch stems..... | .75       |
| 30-inch stems..... | 1.50      | Short Stems.....   | .50       |

### Killarney.

|                    |         |
|--------------------|---------|
|                    | Per 100 |
| Extra special..... | \$7.00  |
| Selects.....       | 6 00    |
| Fancy.....         | 5.00    |
| Medium.....        | 4.00    |
| Good.....          | 3.00    |
| Short stems.....   | 2.00    |

### Richmond

|                     |         |
|---------------------|---------|
|                     | Per 100 |
| Extra specials..... | \$7.00  |
| Selects.....        | 6.00    |
| Fancy.....          | 5.00    |
| Medium.....         | 4.00    |
| Good.....           | 3.00    |
| Short stems.....    | 2.00    |

### Jardine

|                           |         |
|---------------------------|---------|
|                           | Per 100 |
| Fancy, 24-inch stems..... | \$8.00  |
| Good, 15 ".....           | 6.00    |
| Short.....                | 4.00    |

### White Killarney

|                     |         |
|---------------------|---------|
|                     | Per 100 |
| Extra specials..... | 7.00    |
| Selects.....        | 6.00    |
| Fancy.....          | 5.00    |
| Medium.....         | 4.00    |
| Good.....           | 3.00    |
| Short stems.....    | 2.00    |

### My Maryland

|            |        |
|------------|--------|
| Fancy..... | \$7.00 |
| Good.....  | 6.00   |
| Short..... | 4.00   |

Roses, our selection - - - - \$3.00

### Carnations,

|                    |        |
|--------------------|--------|
| Extra Special..... | \$1.50 |
| Fancy.....         | 1.25   |
| Good.....          | 1.00   |

HARRISII.....12.50 to 15.00

NEW FERNS, per 1000, \$2.00 to \$2.50.

SMILAX, per doz., \$2.00 to \$2 50.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

The Geo. M. Garland Co. has booked the following orders: J. B. Goetz Sons, Saginaw, Mich., 3 houses, 28x150 feet; Elmwood Cemetery Corporation, Birmingham, Ala., 2 houses, 28x100 feet and one propagating house, 10x100 feet; Chas. P. Mueller, Wichita, Kans., one house, 28x150 feet and the Wayne County superintendent of the poor of Detroit, Mich., 2 houses, 34x100 feet. Geo. E. Browne of Greenfield, Mich., has also placed an order with the Garland Co. for a movable greenhouse, 36x101 feet.

The baseball team was out for practice last Sunday, June 16, and played a scrub game with one of the city league teams. For a couple of innings the opposing pitcher had the boys guessing but after Tony Einweck laced out a four-bagger he blew up like a toy balloon and went all to pieces. The nine will practice again next Sunday and all players are requested to report promptly at the training quarters at E. F. Winterson Co's. store, at 1 p. m. sharp.

Herman Schiller and wife and two friends have just returned from a nine day automobile tour of the west and report having had a most enjoyable time. The trip was made in a Lambert car and the average run through South Dakota, Nebraska, Iowa and Illinois was about 200 miles a day. Mr. Schiller is the local agent for the Lambert car and is ready to talk business with any one who is thinking of buying a new machine.

Geo. Moncur was up from Woodstock this week buying stock for a large wedding that he had on hand. He says that business is exceptionally fine and that the wedding plant trade was so good that he is going to build a large greenhouse this fall. Mr. Moncur probably uses more orchids for his select trade than some of the florists do in the larger cities.

Wietor Bros. are filling a large number of orders for American Beauty roses and the flowers are of very good quality. N. J. Wietor says he has solved the glut problem and the answer is a double page spread in THE AMERICAN FLORIST.

Ed. Goldenstein, with the Vaughan's Seed Store, has returned from a successful business trip in Wisconsin and Minnesota. He says that in most cases the florists in the North Star and Badger states report exceptionally fine spring trade.

Bassett & Washburn are cutting heavily in Mrs. Aaron Ward roses and some fancy stock is obtainable at the store this week. Work at the new range of greenhouses is progressing favorably and everything is now well under way.

Michael Fink, with the Chicago Flower Growers' Association, has bought a home at 5219 Strong street and as soon as he is comfortably located he is going to invite all his friends out for a royal good time.

John Kruchten is supplying his customers with an exceptionally fine grade of Butterfly sweet peas and peonies. Alfred Hincker is the latest addition to the force and is now keeping the firm's books.

Dwight L. Harris says that the Pulverized Manure Co. is investing \$2,000 more in its new warehouse at St. Louis, Mo., and that business this season is exceptionally good.

J. A. Budlong is having a good call for My Maryland and Kaiserin Augusta Victoria roses and is conducting a special sale on blue ribbon lily of the valleys this week.

Kennicott Bros. Co., is offering a fine lot of Michigan ferns this week and the local buyers evidently appreciate good value for a large quantity is finding a very ready sale.

The Deerfield Nurseries have just bought four acres of land adjoining their property on the south and are well along with the new addition to their plant.

Mrs. George Fisher is recovering from her recent operation for appendicitis and was removed from the hospital to her home last Sunday, June 16.

Miss Gertrude Wallace, bookkeeper for the Chicago Flower Growers' Association, left June 20 for Stoughton, Wis., to attend the wedding of a friend.

Vaughan's Seed Store has been taking care of moss orders this week, stock having been held back nearly a month by freight handlers' strike.

E. F. Winterson is devoting a great deal of his time to convention matters and there will be something stirring in the sporting line next August.

Geo. Goebel and John Kruchten and wife will leave soon for a few weeks' fishing trip to Big Sand Lake, Wis. Wedding bells.

Eddie Schultz has returned from his honeymoon abroad and is again attending to his duties at the E. C. Amling Co. store.

Weiland & Risch like Mrs. Taft, the new rose, so well that they will grow it more extensively than ever next season.

Philip L. McKee, of the John C. Moninger Co., was elected a member of the Southern club last week.

Chas. W. McKellar and wife are enjoying a week's rest at Van Aslyne's farm in Michigan.

Erne & Klingel received the first outdoor asters of the season on Tuesday, June 16.

T. J. Simon, Percy Jones' star storeman, is enjoying a well earned vacation.

Frank Oechslein reports the spring plant trade as the best ever.



# Peter Reinberg

Long Distance Phone Central 2846.

**30 East Randolph St., CHICAGO.**

## LARGE CROPS

**Beauties = Roses = Carnations**

**Fine Flowers for Weddings and School Closings.**

**Send Your Orders Direct to the Grower and They Will be Taken Care of**  
**CURRENT PRICE LIST.**

| AMERICAN BEAUTIES     |          | Per doz. |                           |                            |              |
|-----------------------|----------|----------|---------------------------|----------------------------|--------------|
| Extra long stems..... |          | \$3 00   | Mrs Aaron Ward {          | Select ..... \$8 00        |              |
| 36 inch stems.....    |          | 2 50     |                           | Medium ..... 6 00          |              |
| 30 inch stems.....    |          | 2 00     |                           | Short ..... \$4 00 to 5 00 |              |
| 24 inch stems.....    |          | 1 50     | Sunrise..... {            | Select ..... \$6 00        |              |
| 20 inch stems.....    |          | 1 25     |                           | Medium ..... 5 00          |              |
| 15 inch stems.....    |          | 1 00     |                           | Short ..... 4 00           |              |
| 12 inch stems.....    |          | 75       | Roses, our selection..... | 3 00                       |              |
| Short Beauties.....   |          | 50       | Carnations.....           | 1 50 to 2 00               |              |
| Richmond.....         | } Select | \$8 00   | Harrisi.....              | per doz. 1 50              |              |
| Killarney.....        |          |          | } Medium                  | Valley.....                | 3 00 to 4 00 |
| White Killarney       |          |          |                           | Short                      | 4 00         |
| My Maryland....       |          |          | Sweet peas.....           | 75 to 1 25                 |              |
|                       |          |          | Peonies.....              | per doz. 50 to 75          |              |
|                       |          |          | Adiantum.....             | 1 00                       |              |
|                       |          |          | Asparagus, per bunch..... | 50                         |              |
|                       |          |          | Ferns, per 1,000.....     | 3 00                       |              |

# SEND US YOUR ORDER

For flowers for the June Weddings and other occasions where select blooms are needed and we will fill it with an exceptionally fine grade of strictly fresh stock. We have everything that is seasonable and are particularly strong on **VALLEY, ORCHIDS, PEONIES, ROSES, GLADIOLI** and **GREENS** of all kinds.

**A. L. VAUGHAN & CO.**

(NOT INC.)

**161 N. Wabash Ave.**

PHONES { Central 2571  
Automatic 48-734

**CHICAGO**

The Fleischmann Floral Co.'s novel window scene continues to attract great attention and the water lilies now carelessly distributed in the mill pond and the large beautiful orchid plants in full flower carefully arranged on the rocks bordering the stream, makes it one of the most beautiful and refreshing sights in the noisy loop district.

A. Lange and his 30 assistants are

busy as bees with work this month and every department of this firm is taxed to the utmost to keep up with the orders that are coming in. H. A. Stone, the artistic decorator, says that trade in all lines is good and that wedding orders are exceptionally heavy.

The Cook County Florists' Association will hold its next regular meeting at the Tavern, 174 West Washington street, (tonight) Thursday, June 20. A

lunch will be served and the life members will be honored by being presented with a suitable token of appreciation by the club.

The J. B. Deamud Co. is particularly strong in fancy peonies and some very choice flowers are now obtainable at this store.

The E. C. Amling Co.'s leaders this week are a fine grade of American Beauty roses and peonies.

# The Chicago Flower Growers' Association

## 176 N. Michigan Ave., CHICAGO

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Automatic 43-521

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### GOOD SUPPLY OF Peonies

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|-------------------------------------|---------|---------|---------|---------|---------|--------|---|
| Beautics.....per dozen              | \$ 4.00 | \$ 3.00 | \$ 2.00 | \$ 1.50 | \$ 1.00 |        |   |
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| Carnations.....                     | 3.00    | 2.00    | 1.50    | 1.00    |         |        |   |
| Easter Lilies.....                  | 10.00   | 8.00    | 6.00    |         |         |        |   |
| Orchids, Cattleyas.....             | 40.00   | 35.00   | 25.00   |         |         |        |   |
| Lily of the Valley.....             | 5.00    | 4.00    | 3.00    |         |         |        |   |
| Sweet Peas.....                     | 1.50    | 1.00    | .75     | .50     |         |        |   |
| Peonies.....                        | 5.00    | 4.00    | 3.00    |         |         |        |   |
| Daisies.....                        | 1.00    | .75     |         |         |         |        |   |
| Asparagus Plumosus Sprays..         | 4.00    | 3.00    |         |         |         |        |   |
| Asparagus Sprengeri Sprays..        | 4.00    | 3.00    | 2.00    |         |         |        |   |
| Mexican Ivy.....                    | .75     |         |         |         |         |        |   |
| Smilax.....                         | 25.00   | 20.00   |         |         |         |        |   |
| Adiantums.....                      | 1.00    | .75     |         |         |         |        |   |
| Galax, Green or Bronze.....per 1000 | 1.00    |         |         |         |         |        |   |
| Ferns.....                          | 2.00    | 1.50    |         |         |         |        |   |

The trade in this city was greatly shocked and grieved to hear of the sudden death of Joseph Labo at Joliet, last Saturday, June 15. The late Mr. Labo was well known in this city and the sympathy of the trade is extended to his family in their recent bereavement. C. M. Dickenson, A. T. Pyber and W. E. Lynch attended the funeral which was held the following Monday and one of these gentlemen says that the tragic death a year ago of his small boy was a contributory cause of his death, for since that time he had never been entirely well.

P. J. Olinger, of New Castle, Ind., was a visitor here on June 17, enroute to Aurora to visit his father who is said to be quite ill. He was a member of the Blaine party who came up from Cincinnati on that day and was with the crowd when it was entertained at the White Sox ball park in the afternoon.

The Bohannon Floral Co. had several large weddings this week and the proprietor and H. E. Klunder had about all the work that they could properly attend to. Artistically arranged bouquets of the choicest seasonable flowers ready to be delivered were a common sight at their store this week.

Weilands, Inc., East Washington street, report trade as good with plenty of funeral work. Their firm has one of the prettiest refrigerators in the city and it presents a very beautiful sight when it is filled with the choice stock that this firm always handles.

One of Wieter Bros.' drivers fell off a wagon this week as he was going after a load of tobacco stems and broke his neck. The unfortunate man had no relatives in this country but he leaves a wife and seven children who reside in Germany.

Peter Reinberg is showing a fine grade of roses with American Beauties showing up splendidly. Trade at their

house is as good as can be expected for this season of the year and both the local and shipping trade is good.

Poehlmann Bros. Co., is right in full crop with orchids and some very beautiful blooms are to be seen at the store this week. Roses are also arriving in large quantities and fancy stock is obtainable.

Jac. Lederer, 644-48 West Madison street, manufacturer of florists' refrigerators, is building a box for his exhibit at the coming S. A. F. and it will give the trade a little idea of the splendid box that he manufactures.

W. N. Rudd and J. C. Vaughan attended the meeting of the state university advisory board in floriculture at Urbana last week.

W. J. Vesey, Jr., of Fort Wayne, Ind. visited friends and relatives in this city a few days this week.

#### Lake Geneva Peony Show.

The informal opening of Lake Geneva's horticultural hall took place on Saturday, June 15, with a peony show given by the local private gardeners. The building, which has been erected by the owners of the lake shore residences for their gardeners' various exhibitions and their private entertainments, consists of a spacious main hall 40x60 feet, a club room 24x24 feet, and also cloak rooms and a good sized kitchen. Facing the main building from one side is an open court 90x125 feet surrounded by high walls; inside there is a lawn terrace leading to a sunken lawn with a pond in the center. Around the sides are 16-foot-wide sidewalks, one of which is under an archway that eventually is to be enclosed with glass and gives additional exhibition space. The attendance at the show was excellent, the lake shore residents taking great interest in the various exhibits.

Vaghan's Seed Store, Chicago, was represented by a non-competitive exhibit of 40 vases of 25 choice varieties, making a very attractive display. The varieties were Mad. Boulanger, M. Baral, Modeste Guerin, Augustin D'Hour, Mad. de Galhau, Eugene Verdier, Richardson's Rubra Superba, Cœuronne d'or, Delachei, M. Krelage, Jules Calot, Felix Crousse, Mad. Duclé, La Tulipe, La Rosiere, Mad. De Verneville, M. Dupont, Pulcherrima, Kohinoor, Duchesse De Nemours (Calot), Festiva Maxima, Carnea Triamphans, Mad. Furtado, Octave Demay, Mad. Lebon, Triomphe de l'Expos. de Lille and Meissonier.

Among other plants were a group of well flowered gloxinias; Edw. Swift (Robt. Sampson, gardener), first. Also a nice group of Fuchsia Crinoline; N. W. Harris, first.

The Phoenix Nurseries, Bloomington, Ill., exhibited a number of fine seedlings, some pink varieties being of special merit.

Perennials and annuals were also shown but the lateness of the season made a large display of these impossible.

Two vases of Killarney roses were also shown by Wendland & Keimel, Elmhurst, Ill.

#### THE PEONY AWARDS.

Best collection of blooms—N. W. Harris (Joseph Krupa, gardener), first; J. J. Mitchell (A. J. Smith, gardener), second; C. L. Hutchinson (Wm. P. Longland, gardener), third.

Six varieties, six each—R. T. Crane Estate (Axel Johnson, gardener), first; N. W. Harris, second; J. J. Mitchell, third.

Three varieties, six each—F. Countiss (W. H. Griffiths, gardener), first.

Six white—R. T. Crane Estate, first; S. W. Allerton (Robt. Blackwood, gardener), second; F. Countiss, third.

# FOR JUNE WEDDINGS and School Closing Exercises

We offer at reasonable prices a choice grade of **Roses, Beauties, Richmond, Maryland, Killarney, White Killarney, Jardine, Kaiserin.**

## Also Carnations of Excellent Quality

for so late in the season. Special inducements offered in lots of 1000 or over. Also Peonies, Sweet Peas, Harrisii, Gladioli, Smilax, Asparagus, Sprengeri, and all other reasonable stock.

## AS A SPECIAL INDUCEMENT

we offer to the trade this week

### Our Famous Blue Ribbon Valley,

Recognized by the Chicago buyers as the best in the market, at

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As we grow our own Valley, we are in a position to save you the middleman's profit; hence, why pay more for your Valley when you can obtain better Valley from us for less money? **Order Now.**

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A Specialty.....

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## CUT FLOWERS

Quantity  
and  
Quality

Six pink—S. W. Allerton, first; J. J. Mitchell, second; F. Countiss, third.  
Six red—S. W. Allerton, first; F. Countiss, second; R. T. Crane Estate, third.

Six, any other color—F. Countiss, first; C. L. Hutchinson, second; Phoenix Nurseries, Delavan, third.

Three white—Frank Button, first; N. W. Harris, second; S. Byllesby (Frank Lawry, gardener), third.

Three pink—N. W. Harris, first; Frank Button, second; S. Byllesby, third.

Three red—F. Countiss, first; N. W. Harris, second; C. L. Hutchinson, third.  
Singles—J. J. Mitchell, first. A. M.

#### Chicago Parks.

The plan of consolidating the park boards of Chicago into one body has become a live issue again.

The city council committee on judiciary, state legislation, elections, and rules passed favorably on a bill providing for consolidation, with the expectation of presenting it to the state legislature next January. The chief argument in favor of the measure was the saving that would result from the elimination of duplication of work in the Lincoln, the west and the south park boards. The saving in salaries and wages alone was estimated at \$417,590 a year. The action marks the revival of one of the issues of the Chicago charter movement, which went to defeat under a referendum.

A tabulation of the annual saving in salaries and wages under the proposed system follows:

|                          | At present  | Under consol'd'n. | Total       |
|--------------------------|-------------|-------------------|-------------|
|                          | Em- ployes. | Em- ployes.       | salaries.   |
| Administration . . . . . | 35          | 8                 | \$ 35,530   |
| Professional . . . . .   | 57          | 37                | 76,850      |
| Foremen . . . . .        | 97          | 75                | 117,230     |
| Clerical . . . . .       | 80          | 33                | 77,220      |
| Instruction . . . . .    | 99          | 98                | 87,240      |
| Attendants . . . . .     | 280         | 250               | 201,870     |
| Police . . . . .         | 336         | 157               | 382,340     |
| Engineers . . . . .      | 56          | 38                | 201,870     |
| Skilled labor . . . . .  | 57          | 25                | 65,478      |
| Totals . . . . .         | 1,097       | 751               | \$1,158,454 |

The figures were prepared by a sub-committee which recommended the passage of the consolidation bill. "There are so many arguments in favor of it," said Alderman Si Mayer, the chairman, "there is not time to go into them. The question is an old one, and even if it has been beaten once its merit has not diminished and the voters see it now more clearly than ever. In addition to the economy there is the argument that consolidation will place scientific operation where horrible mismanagement now shocks the public by its daily blunders. The worst of these was the construction of a \$300,000 electric power plant by the south park board while it was negotiating with the sanitary district for current." Under the provisions of the bill the "board of park commissioners" would have nine members appointed by the mayor with the approval of the

city council. They would serve without compensation.

#### Chicago Bowling.

Some good scores were made at Ben-singer's alleys last Wednesday, June 12, when Allie Zech rolled 213 and 208, Wm. Wolf 246, Al. Fischer 244, 203 and 223, Joseph Foerster 222, Eddie Schultz 202 and Ernest Farley 219 in one of the games played. The individual and team scores for the games played on June 12 are as follows:

| Violets.       |         | Violets.      |         |
|----------------|---------|---------------|---------|
| Schl'sman .148 | 147 133 | Schl'man .149 | 141 173 |
| Goerisch .141  | 126 184 | Goerisch .138 | 130 150 |
| Frank .150     | 136 138 | Frank .177    | 141 126 |
| Price .144     | 163 169 | Price .163    | 137 150 |
| Foerster .161  | 171 222 | Foerster .185 | 191 129 |
| Totals .744    | 743 846 | Totals .812   | 740 728 |

| Carnations.   |         | Roses.         |         |
|---------------|---------|----------------|---------|
| Armstr'g .123 | 93 113  | Sch'nem'n .153 | 128 128 |
| Ayers .153    | 173 145 | Wenzel .197    | 160 167 |
| Schultz .167  | 202 168 | Stack .142     | 127 133 |
| Balliff .137  | 158 147 | Wolf .179      | 216 177 |
| A. Zech .184  | 155 208 | Fischer .173   | 244 203 |
| Totals .745   | 812 792 | Totals .847    | 905 904 |

| Carnations.   |         | Orchids.     |         |
|---------------|---------|--------------|---------|
| Armstr'g .123 | 93 113  | Krauss .163  | 118 117 |
| Ayers .174    | 161 119 | Graff .156   | 145 179 |
| Schultz .190  | 166 197 | Huebner .171 | 187 160 |
| Balliff .187  | 159 167 | Farley .219  | 132 136 |
| A. Zech .199  | 213 178 | Zech .155    | 156 132 |
| Totals .873   | 792 774 | Totals .864  | 738 724 |

| Orchids.     |         | Roses.         |         |
|--------------|---------|----------------|---------|
| Krauss .162  | 162 171 | Sch'nem'n .134 | 129 81  |
| Graff .168   | 166 144 | Wenzel .173    | 166 199 |
| Huebner .371 | 189 157 | Stack .170     | 140 175 |
| Farley .151  | 129 142 | Wolf .149      | 145 161 |
| Zech .192    | 160 155 | Fischer .134   | 177 223 |
| Totals .544  | 806 769 | Totals .700    | 757 749 |

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### West Chester and Fairfield Horticulturists

The regular meeting of the Society was held in Greenwich, Friday, June 14. Mr. G. Lawler Jr., was selected honorary member, and two propositions received. The annual outing of the Society will be held in Rye Beach on Wednesday, Aug. 7.

The first summer show of the Society was held in the Town Hall, Greenwich on Saturday, June 15, and members are most enthusiastic over the result; the hall was well filled up with choice exhibits, the competition was very keen in all classes, and there were many visitors. Messrs W. Smith, John Murray and W. Scott acted as judges.

**Specials:** Certificate of merit and silver cup, for best ornamental group, to Harry Wilde. Certificate of merit for group of foliage plants to Robert Williamson. Certificate of merit for display of flowering shrubs, roses and peonies to P. W. Popp. Certificate of merit for display of orchids to A. Marshall; first prize for vase of moss roses to P. W. Popp. Cultural certificate for vase of carnations to A. Marshall. Cultural certificate for Chrysanthemums Smith's Advance to P. W. Popp.

First prize for vase of moss roses to P. W. Popp. Classes: (1) J. Woodcock, first, James Stuart, second; (2) A. Marshall, first; R. Barton, second; (3) R. T. Allen, first; J. Woodcock, second; A. Marshall, third; (4) A. Marshall, first; (5) R. Barton, first; (6) Thom. Aitchison, first; W. Glennon, second; J. McAllister, third; (7) A. Grearson, first; (8) James Stuart, first; R. Barton, second; A. Grearson, third; (9) W. Smith, first; A. Grearson, second; E. Lawrence, third; (10) R. Williamson, first; T. Aitchison, second; (11) Th. Ryan, first, R. Williamson, second; (12) Th. Ryan, first; J. Aitchison, second; (13) Th. Ryan, first; H. Wilde, second; (14) A. Marshall, first; H. Wilde, second; (15) Th. Aitchison, first; P. W. Popp, second; (16) Chas. Adcock, first; A. Peterson, second; R. Barton, third; (17) P. Dwenger, first; A. Peterson, second; (18) M. Glennon, first; Chas. Adcock, second; (19) R. Allen, first; E. McKensie, second; (20) Ed. Lawrence, first; T. Aitchison, second; (21) R. Allen, first; A. Peterson, second; (22) E. McKensie, first; A. Peterson, second; (23) R. Williamson, first; (24) Chas. Adcock, first; (25) R. Williamson, first; (26) T. Aitchison, first; (27) T. Aitchison, first; (28) H. Wilde, first; (29) H. Wilde, first.

There was a large competition among amateurs, and the exhibits put up by school children were exceptionally good. The opening address was made by Mr. E. Bigelow, president of the Agassiz Association.

OSCAR E. ADDOR, Cor. Sec'y.

### Among the Roses in Europe.

(CONTINUED FROM PAGE 1291)

We were due at the Bagatelle June 12 and arrived in Paris the day before. If there are any here who do not know the rose by the name of Gravereaux let me recommend that you cultivate its acquaintance. This rose was named in honor of a French gentleman whose contribution to our profession deserves a more than ordinary decoration. His own garden, about which I will tell you later, should be a Mecca for continental travelers. But it is rather inconvenient of access; and it is a private garden; therefore, with very good reason, I believe, he early advocated the establishment of a rose garden that should be the gem and a jewel in the popular park of the city of Paris. That rose garden is now established and among French rose growers at least, if not of international importance, forms a trial ground and a meeting place for the best of the old and nearly all of the new continental introductions. It was in this garden in the Bois de Boulogne, upon invitation from the city of Paris that last summer as president of the Conard & Jones Co. I went to act as a judge and in so doing was asked to represent America. The Bagatelle is a little park in the Bois de Boulogne; some people might say it is quite a large park. It is surrounded by a high stone wall; more than half of it is covered with woods, the rest in lawns and landscapes laid out with beautiful drives and nearly all well kept. It was built possibly by, and certainly for, Marie Antoinette; after the French Revolution it was sold to an Englishman, and afterwards bought back by the city of Paris for park purposes. The grounds are now in charge of Monsieur Forriestier who seems most affectionately interested in this comparatively new rose garden. It covers, I suppose, two acres laid out with the roses arranged in families, with the climbers mainly at one end or along certain avenues or walks. The roses of the last two years are each grouped separately and will later find their permanent place in the garden.

The system of French judging is different from that in America. After an exchange of greetings, the members of the jury, made up of representatives from England, Holland, the Grand Duchy of Luxembourg, Germany, and from the principal growers as well as the officers of the city and of the parks and the editor of the leading horticultural press of Paris, are all assembled in the orangery, standing at one end, off from the garden. And here were given out score sheets with a list of the roses to be judged, showing their origin, classification and label number. The judging was upon roses from the open ground entirely. The

judging is done upon a basis of ten points, not separated in any way. There were perhaps 75 roses of 1909 and 1910 to be passed upon and a good number of 1910 and 1911. A rose in which I happened to be particularly interested, American Pillar, while it looked as thrifty as one could wish, was simply in bud and had not yet been blooming; therefore there was no opportunity to judge of its qualities in comparison with the other roses. As a matter of fact it does not seem entirely fair to take the result of these awards as too sweeping, because, although the jury meets again two or three weeks later, they can only pass upon the roses which happen to be in bloom on that day. After each rose out in the garden had thus been voted upon, those receiving in this way the highest number of points were again considered and a vote taken upon the proposition to give a gold medal or a grand prize to the one or ones considered the finest. And I believe it is the plan that for every French rose that receives an award there shall be a corresponding award given to some other nation, and I am happy to say that our honored member, E. Gurney Hill, received certificate of merit for his rose, May Millers. All this required about three hours; after which we were shown the former residence of Marie Antoinette and then taken as guests of the city of Paris to the Cafe d'Armenoville.

The Bagatelle Rose Garden has so much of interest that one could readily spend several days there; and in going to or from one may run across the "Battle of Flowers" or "Fete des Fleurs," in some of the prominent avenues of the park, lined up with people four tiers deep on both sides and carriages and automobiles sumptuously decorated with roses and other flowers parade up and down, prizes being given to the most exquisitely decorated ones, after which the occupants of the vehicles begin hurling their flowers at the bystanders who often toss them back, and this exchange riot of beauty has become known as the "Battle of Flowers." I understand the proceeds, whatever they may be, go to the hospitals. There is much more of interest in Paris, even horticulturally, than one can stop to speak of, and in France, for here one finds rose growers whose names have been associated with flowers in our own American gardens and greenhouses; for example, here was M. Cochet, M. Guillot, M. Gravereaux, all men whose namesakes we grow. Therefore it was with keen interest that we set out to visit the establishments of these prominent rose growers.

Let Orleans be our first stop. Here we find Barbier, in whose well kept gardens we saw blooming not only Alberic Barbier but also the new Wichmoss with its fascinating mossed blos-

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soms and its Wichuraiana foliage. Near by was M. Chenault, and on the same avenue, Levavasseur, whose polyanthas are now well known among our rose growers. They have big blocks of seedling Baby Ramblers and are doing quite a tremendous business. Another friend is M. Benard, who is already well known to many American growers and the variety of whose products makes one wish to stay and study for a week at least.

Our next point was Lyon, down toward the Mediterranean; and here is another famous group of growers, M. Bernaix and M. Guillot, who, I believe, is editor of their journal, "The Friend of Roses"; and the prominent Pernet of Pernet-Ducher, whose Sunburst is only one of a long list of valuable introductions. He with his son and family live in simple French fashion, and the walls of their home are covered with medals and photographs and diplomas of awards received for fine roses. It was most interesting to walk among his seedlings and to see his love for his pets. The climate here seems most genial, quite like our own in many respects, though not so cold in winter, I presume. The soil was quite different in different localities but the culture was most carefully looked after almost universally. I suppose weeds do grow there but we did not see many of them. One is impressed with the hospitality and openness of these men; their cordiality makes one leave with regret that his stay was not longer. I want to show you a picture that I took up in Switzerland right in among the mountains of Interlaken, of a rose which I was told was the Charles Bennett, covering the porte-cochere of the Jungfrau hotel, a perfect mass of deep carmine pink, certainly a grand sight.

It is a longer journey than it looks on the map, through Switzerland and down the Rhine, and likewise a much more fascinating one, over which we should like to linger. So after a few days among the holiday countries of the Europeans and a rapid run past Heidelberg and down historic Rhine to Coblenz we wind our way along the crooked Moselle and come to Trier where Peter Lambert on the banks of this little river is raising roses to decorate the Emperor William's gardens, to say nothing of his many German patrons and his foreign customers. This is a Roman town and many of the old ruins still stand, and the gates



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of the aforesaid walled city. Mr. Lambert is a cordial host and his trial garden a most interesting one. His hybridizing is on an extensive scale and he is careful to keep records, not only of his own work, but of the work of others. I think his supremacy among rose growers in Germany is quite established, judging from the work he continues to do for some of the more prominent cities in their public parks at Berlin, Baden-Baden and elsewhere. I show a photograph of him holding up Countess Chotee, a new rose, that he says you all will want, and the Countess herself was expected as a visitor the day after my visit with him. Mr. Lambert has studied horticulture in the best of the German schools; he comes to his profession by heredity. He is editor of some works on the rose, one of which I commend to hybridizers, "The Stammbuch der Edelfrosen." He is a very busy man, is raising a grand young family of boys, is building larger offices and a new home, and with all these demands on his time thinks it will be some years before he can come to America. He very kindly made an engagement for me to meet M. La-

## Canna Plants

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Good variety. No  
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mesch who is planning a visit to America to study the things that we can tell them about growing cut roses. When he comes I bespeak for him from you your accustomed courtesy to strangers for such they deserve.

Near Trier is Luxembourg, the quaint and interesting old Grand Duchy, an independent principality, with their little army of 200 men, with their own stamps and their own small money, safe in one sense because of their position between Germany and France and apparently on the best of terms with both. But those of you who know the old Clotilde Soupert rose, the Mme. Melanie Soupert and the Souv. de Pierre Notting will be interested in the firm of Soupert & Notting, one of the oldest and still in prominence in their work of introducing new roses. I just missed seeing one Mr. Soupert, as I passed through Interlaken in Switzerland, where he was spending his vacation, but his brother, whose picture I show, was a most enthusiastic lover of roses. Furthermore he was a good salesman; he can offer either this descendant of Mme. Melanie Soupert for \$650 or here was an offspring from Lyons rose for which he was that morning asking \$1,000.

We next visited Ketten Bros., another family of two generations of rose growers, who have considerable ground outside of the city. The climate of Luxembourg in winter is doubtless quite like our Pennsylvania climate; at least they must dig and store practically all their stock and for this purpose have huge cellars entirely under ground, as a rule, in which they heel in their plants, having men label with lead labels and using their catalogue numbers, every single plant before it is dug. Mr. Lambert does more growing of own root roses than anyone else we met, most growers there, you know, using the budded stock.

A little side trip from Luxembourg down to Nancy gave a most interesting day with M. Lemoine, whose father, at eighty-eight, was lying ill, but whose four young boys, developing splendidly toward manhood, gave promise of more famous begonias, deutzias, lilacs and clematis; in fact, one scarcely knows where to stop in speaking of the contributions which have emanated from this rare and interesting establishment. I did not hear that they called him a wizard there either, but Victor Lemoine certainly deserves

the name if ever man did among plantsmen. His recent death is certainly widely lamented.

This brings us back to Paris and let us without fail accept the kind invitation of M. Gravereaux for a day in his rose garden. Take a taxicab for that ten miles, out through the city gate, for embankments surround this modern city and remind one of troublesome times in the past, less than a century ago, too. It is a beautiful ride over the hills to a prominence from which the city itself is in view, and here M. Gravereaux, by special permission, is glad to have you come and luxuriate in his truly wonderful rose garden. M. Gravereaux is said to have become a millionaire from business on the Bon Marche in Paris. Imagine, if you can, 6,000 or more different varieties of roses, arranged in families and classes, grouped into avenues which are bordered with the climbing roses and banked with the bedding varieties and edged with box and neatly kept paths; bits of statuary here and there with the surprise of a playing fountain as you turn a corner, a little thatched roofed summer house for a laboratory, with appropriately placed standard tree roses having stems 12 to 15 feet high and heads of bloom 10 feet in diameter; everything kept with immaculate neatness and every rose carefully labeled with the name, class, date of origin and catalogue number; and in the center of all a museum, in which has been collected not only the documents that are to serve as a history of the rose but specimens of the products of science and art in which the rose has figured and also a collection of literature from the Greek, Latin, Arabic and also the modern languages in which we find mention of the rose. Here indeed one's enthusiasm knows no bounds. We felt filled with the beauty of the place for it seemed that every rose was in full bloom, the day was a perfect one, the air fragrance laden, M. Gravereaux was most hospitable and one felt that one wished the scene impressed indelibly upon one's mind.

It was 5 p. m. we began to think of returning to Paris when of a sudden we heard the noise of applause from the distance, we heard a signal given, and going from whence it came, found what before had been so carefully hidden that we had missed seeing it, a little off from the garden, an exquisitely appointed open air theatre, surrounded by trees. The aisles, seats and

## GARDENING IS A PLEASURE WHEN YOU USE Squito-Rid

It is an effective remedy for repelling mosquitoes in the garden or in the house. If applied to the hands and face outdoors, or to the handkerchief around the neck it will keep the mosquitoes away from you—the same method is effective indoors, or a few drops sprayed about the room will drive the mosquitoes out.

Linwood, N. Y., June 3, 1912.  
"Mosquito repellent received and a great success. Please send, soon as possible, three pints, for which I enclose \$3.75.

James Gladstone."

Squito-Rid has been tested and is endorsed by Government and State experts. Sold in three sizes: quarter pints, 50c; half pints, 80c; pints, \$1.25.

We will deliver to any address, all charges prepaid, if you will include 20 cents in addition to the above prices, for expressage.

### Aphine Manufacturing Co.

MADISON, N. J.

stage were made entirely of turf, the side walls terraced in amphitheatre fashion. All this was filled with three or four hundred people, ladies and gentlemen from Paris who had come out for the afternoon. In front of the stage were also terraces but these were filled with roses in bloom; and back of it, against the trees, was a semi-circular colonnade, leaving a broad stage on which was a grand piano. As we came upon the sylvan scene a concert was already in progress; and with

# A. L. RANDALL CO.,

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his guests so pleased, M. Gravereaux seemed happiest of all.

By the courtesy of your secretary, Benjamin Hammond, I carried with me the credentials from the American Rose Society. Tonight you have my response. Be the verdict what it may my feeling is that a member of this society who has the opportunity to see what has been done and is being done abroad among rose growers and by rose growers, for the amateur and by the amateur, would be disloyal to his own society and false in failing to help it reach a higher plane of usefulness did he not bring back to you some message from this mountain top of vision.

You and I must realize that America is as yet in its infancy, and still more is this true of rose growing in America. The time has come and is already here when we, the American Rose Society, need to broaden our principles, need to open wider our arms and affiliate with us the amateur rose growers of America. From the beginning our motto has been "A rose for every home, a bush for every garden," the first part of this motto we have lived out as "A rose for every home" I take it is what our cut flower members are striving to produce, but have we lived out the second part of our motto, "A bush for every garden"? Thousands if not millions throughout this country of ours, even with its varied climate, might have the pleasure, the inspiration and the uplift which come from knowing and cultivating the queen of flowers. And I take it that it is not only our right and our privilege but it is our duty to develop, to foster and to encourage the love for the planting of roses also among the amateurs in America.

#### Kindly, Thoughtful Soul.

"I've got to buy a new mower," says old Si Chestnut to a hardware dealer, "and I want the best and easiest running machine you've got—something that the women folks can run, you know."—Sedgwick Pantagraph.

#### For Service Rendered.

"Thompson's cow got into my garden and ate all the grass off the lawn."  
"What did he do?"  
"Sent me a bill for using his cow as a lawn mower."

### E. C. AMLING CO.

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

68-70 E. RANDOLPH STREET  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

### Wholesale Flower Markets

| CHICAGO, June 19.                 |                 | Per doz.   |
|-----------------------------------|-----------------|------------|
| Roses, Beauty, speciala. ....     | 3 50@           | 4 00       |
| " " 36-in. ....                   |                 | 3 00       |
| " " 30-in. ....                   |                 | 2 50       |
| " " 24-in. ....                   |                 | 2 00       |
| " " 15-20-in. ....                | 1 25@           | 1 50       |
| " " 12-in. ....                   |                 | 75@ 1 00   |
| " " Short .....                   |                 | Per 100    |
| " Killarney .....                 | 4 00@           | 8 00       |
| " White Killarney .....           | 3 00@           | 8 00       |
| " Richmond .....                  | 3 00@           | 8 00       |
| " Prince de Bulgarie .....        | 4 00@           | 10 00      |
| " Mrs. Aaron Ward .....           | 4 00@           | 10 00      |
| " My Maryland .....               | 3 00@           | 8 00       |
| " Melody .....                    | 4 00@           | 10 00      |
| " Bride .....                     | 3 00@           | 8 00       |
| " Bridesmaid .....                | 3 00@           | 8 00       |
| " Mrs. Jardine .....              | 3 00@           | 8 00       |
| " Kaiserin Augusta Victoria ..... | 3 00@           | 8 00       |
| Carnations .....                  | 1 50@           | 3 00       |
| Callas .....                      | per doz., 1 50@ | 2 00       |
| Cattelyas .....                   | per doz., 4 00@ | 6 00       |
| Cape Jasmine .....                |                 | 1 00       |
| Daisies .....                     |                 | 1 00@ 2 00 |
| Feverfew .....                    | per buoch, 35@  | 50         |
| Gardenias .....                   |                 | 3 00       |
| Gladioli .....                    | per doz., 75@   | 1 00       |
| " Baby .....                      |                 | 3 00@ 4 00 |
| Lilium Harriail .....             | per doz., 1 50  |            |
| Margueritea .....                 |                 | 1 00@ 1 50 |
| Mignonette .....                  |                 | 1 00@ 1 50 |
| Spanish Iris .....                |                 | 4 00       |
| Stocks fancy .....                | per doz., 50@   | 1 00       |
| Sweet Peas .....                  |                 | 50@ 1 50   |
| Peonies .....                     |                 | 2 00@ 8 00 |
| Valley .....                      |                 | 2 00@ 4 00 |
| Adiantum Croweaum .....           |                 | 1 00       |
| Ferns .....                       | per 1000, 2 50@ | 3 00       |
| Galax .....                       |                 | 1 25       |
| Leucothoe .....                   |                 | 75         |
| Plumosa String .....              | each,           | 60         |
| Smilax .....                      | per doz., 2 50@ | 3 00       |
| Sprengerl, Plumosa Sprays .....   |                 | 3 00@ 4 00 |

#### Geographical Knowledge.

The guest had just registered at the New York hotel.  
"From Rockford, Ill., eh?" said the hotel clerk, with an affable smile.  
"That's in the Winnebago—er—reservation, I believe."

### Percy Jones

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

### Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

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All telegraph and telephone orders given  
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### ROSES

White and Pink Killarney and Richmond  
Roses. Red, White and Pink Carnations.  
Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

# There will be a Good Demand for BEAUTIES - VALLEY - CATTLEYS

To be used for June Weddings and Commencements. We advise getting our quotations—they will interest you. New Near-By Dagger Ferns, per 1000, \$1 50.

**THE LEO NIESSEN CO.,** Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

**Philadelphia.**

**HEAT TELLS ON STOCK.**

Real summer weather has made its appearance and all inside stock shows the effect of the heat. The quality for the season, however, is fully up to the average of the time of year, if not better, as the prolonged cool days of spring have been a great help. Roses are still very fair. The White Killarney is, however, going off in color and the double white eastern stock is much in demand. There are still some very fair Beauties. Carnations are going down rapidly. The Spencer sweet peas from outside are fine and find a good market. Choice gladioli are also much in demand. Corn flower, Gaillardia, Double Duetzia and the new white hydrangea, the latter, by the way, a fine florists' flower, are all in good demand. Dorothy Perkins sprays are now seen in all the market stocks and will be a standard flower for the next two weeks. This rose in clusters or longer sprays is the flower for wedding and other decorative works. Valley is about equal to the demand, which is good. Cattleyas and gardenias are to be had in quantity. The bedding plant season is about over and while there are a number of geraniums still in hand in some quarters the season can be seen to have been a fairly good one.

**NOTES.**

The lover of Rambler roses has a treat in store if he will visit the Speedway in Fairmount Park. Here for over a mile in length are planted many of the best varieties of this beautiful type of the rose. There are over twenty-five varieties, three or four plants of a kind being alternated with other sorts in the distance. They are growing about twenty to thirty feet apart and trained to a fence about four feet in height. A number of the varieties, notably the gardenia, cover a surface of twenty to thirty feet and are loaded down with blossoms. Planted either way they make a very decorative and beautiful showing. It surely will not be long before every park will have its rose garden.

Spray and branches of Dorothy Perkins and other Rambler roses are featured at the S. S. Pennock-Mechan's Market. Peonies from their cold storage rooms look as fresh as if cut yesterday and are largely in evidence.

David Rust says that the past season has been the best in a business way since he began and the firm has earned enough to pay all expenses and leave something over for the interest account.

Easter lilies of first quality are the leader with the Berger Brothers. Some of the athletic talent of this house have already commenced figuring on the next picnic.

Bobbie Shock of the Rice force, who is known to everybody as a hustler, is still talking of that battle of the rope and explaining how they came to lose it.

The Leo Niessen Co. is showing some splendid gladioli which find a ready sale. Mr. Niessen says he can still feel the strain of the "tug-of-war."

H. Bayersdorfer sends word that he has some good things for the fall trade. Early shipments are expected in July.

The Henry A. Dreer Co., Inc., is making daily exhibitions of cut roses at the store and booking many orders for plants in consequence. K.

## Wholesale Flower Markets

| PITTSBURG, June 19.            |       | Per 100     |
|--------------------------------|-------|-------------|
| Roses, Beauty, special.        | ..... | 25 00       |
| " " extra                      | ..... | 12 00@25 00 |
| " " No. 1.                     | ..... | 6 00@10 00  |
| " Bride, Bridesmaid.           | ..... | 2 00@4 00   |
| " Chateaux                     | ..... | 2 00@4 00   |
| " Killarney                    | ..... | 2 00@4 00   |
| " My Maryland                  | ..... | 2 00@4 00   |
| " Richmond                     | ..... | 2 00@4 00   |
| Carnations                     | ..... | 1 50@2 00   |
| Cattleyas                      | ..... | 50 00       |
| Lilium Longiflorum             | ..... | 10 00@12 00 |
| Lily of the Valley             | ..... | 4 00        |
| Oncidiums                      | ..... | 3 00@4 00   |
| Sweet Peas                     | ..... | 50 00       |
| Violets, single                | ..... | 25 00       |
| " double                       | ..... | 50 00       |
| Adiantum                       | ..... | 1 00        |
| Asparagus Sprenger, par bunch, | 35    |             |
| sprays, ....per bunch.         | 35    |             |

| PHILADELPHIA, June 19. |                     | Per 100     |
|------------------------|---------------------|-------------|
| Roses, Beauty, extra   | .....               | 20 00@25 00 |
| " " first              | .....               | 8 00@12 00  |
| " Brides and Maids     | .....               | 4 00@10 00  |
| " Killarney            | .....               | 4 00@15 00  |
| " White Killarney      | .....               | 4 00@15 00  |
| " Liberty              | .....               | 4 00@15 00  |
| Callas                 | .....               | 8 00@10 00  |
| Cattleyas              | .....               | 35 00@50 00 |
| Gardenias              | per doz., 1 00@2 00 |             |
| Lilium Harrison        | .....               | 8 00@10 00  |
| Lily of the Valley     | .....               | 3 00@5 00   |
| Marguerites            | .....               | 75@1 00     |
| Mignonette             | .....               | 3 00@4 00   |
| Peonies                | .....               | 6 00@12 00  |
| Snapdragons            | .....               | 8 00@12 00  |
| Sweet Peas             | .....               | 50@1 00     |
| Adiantum               | .....               | 1 00@1 50   |
| Asparagus              | per bunch, 50       |             |
| Smilax                 | .....               | 15 00@20 00 |

**Cincinnati.**

**THE MARKET.**

Everything moves along nicely in the market. The receipts are fairly large and clearances are good. The demand from out of town for all lines is good, while locally the demand is very satisfactory. Considerable stock that is not quite all it should be continues to hammer down the prices of that of the better quality. In roses the supply of American Beauties is increasing and all finding a fairly good market. The quality is good. In other roses Killarneys, White Killarney, Brides, Maids and Richmond are good. The carnation supply is still large and for the time of the year very good. The darker ones are now on the wane and others will probably be the same in a short time. Gladioli, in sizes running from the longest and best to medium in length, are now offered in quantity and are proving quite popular. The first asters will by the time this leaves the press be in the market for over a week. Water lilies are also offered in quantity. The supply of lilies is far too large for the market. Hardy Hydrangea and Shasta Daisies are not meeting with the call they enjoyed in past years. Sweet peas, lily of the valley and orchids enjoy a fine call. The green goods line shows the addition of eastern fern. New sphagnum is also in some of the wholesale houses.

**NOTES.**

Mr. and Mrs. Chas. Pfeiffer and Mr. and Mrs. John Fries have departed on an extended trip to the Pacific coast. They will take in the various points of interest on the way.

## EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio  
Pittsburg, Pa.

Mention the American Florist when writing

## Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Mention the American Florist when writing

## Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

Among those present in Cincinnati from out of town last week were Warren Huckelburry, North Vernon, Ind; Frank Farney, Mr. and Mrs. Weber of Brookville, Ind.

G. Brunner and Sons had the decoration and the bulk of the work for the Mt. St. Joseph Academy commencement.

Tom Windram of Colorado Springs has been sending in nice hardy hydrangeas.

C. E. Critchell has been receiving quantities of prettily colored water lilies. H.

**Pittsburg.**

**WEATHER AFFECTS CARNATIONS.**

Carnations are showing the effects of the weather very much, and a great many are coming in that are unsalable. Roses still hold up well although there is a scarcity of white. Hilda is proving to be the best summer pink rose we have, as it keeps its color, and the size of the flower is just as large as during the winter. Commencements take a few Beauties and generally clean up red roses. Very fine Spanish Iris is on the market in quantity, mostly coming from Ohio. A nice lot of swansonias, lupins, marygolds and candy tuft are on the market, but move slowly.

**NOTES.**

We will have to get along without a Florists' Picnic this year, as at the last meeting of the Florists' Club this was decided on. If a few of the retailers would take an interest in the club we could have a club that would give us plenty of entertainment, but they are content to sit still and leave everything to the growers.

H. Glenn Flemming, Fairmont, W. Va., who is very well known in this city, died recently in North Carolina.



# C. C. POLLWORTH CO.

MILWAUKEE'S  
LEADING PLANT,  
CUT FLOWER AND  
FLORIST SUPPLY  
HOUSE.

## HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,  
Tulips, Peonies, Lilies,  
AND ALL OTHER  
CUT FLOWERS and GREENS

Walter Britenstein and E. J. McCallum are giving vent to their horticulture instincts by beautifying the grounds of their canoe clubs at Verona, where they spend their summer evenings, coming to the city each morning by train.

The Zieger Co., had a very elaborate wedding at Punxsutawney, June 12. Messrs. Graves and Gibson spent several days on the job and state that it was the largest affair of its kind ever held in Punxsutawney.

Mike Steiner, who recently conducted a flower store in Frankstown Ave., has closed his business. J.

### Milwaukee.

#### MARKET NORMAL.

The past week the market has been in a normal condition with stock moving readily and plenty of everything to fill all orders. There is a heavy demand on for lily of the valley; also on white and pink sweet peas.

#### NOTES.

H. W. Koerner, Milwaukee, vice-president, and E. S. Thompson, Benton Harbor, Mich., secretary of the Western Dahlia & Gladiolus Association, were here looking up part of the trade for a donation towards the premium list for the Dahlia and Gladiolus Show which the association intends holding in this city some time in the month of September. The donors so far are H. W. Koerner, Milwaukee, E. S. Thompson, Benton Harbor, Mich., \$25; W. F. Flecher, Des Moines, Iowa, \$25; C. C. Pollworth Co., Milwaukee, \$25; Rusch & Co., Milwaukee, \$10; Poehman Bros., Chicago, \$18. There are a number of firms which have promised to do something later on, but the association members are well pleased with the encouragement they have received so far.

On Wednesday night occurred the death of George W. Kuehn, for years employed as wireworker for Holton & Hunkel Co. Mr. Kuehn had been in ill health for a number of years and recently took sick with pneumonia, from which he had not fully recovered, but he had been on duty again and death was very unexpected. His body was taken to Detroit, Mich., for burial, which occurred on Saturday.

The greenhouses owned by Wm. Edlefsen have been leased to Fred Guttermuth, formerly employed by Wm. Edlefsen, and F. Klien, who has been employed in different greenhouses in the city. These men will take full charge by July 1. Wm. Edlefsen is retiring from the greenhouse business and expects to make a new home at Lorraine, Oregon, or at least to spend the summer there.

On Wednesday evening, June 12, occurred the marriage of Gustav Mueller and Miss Ruby Eimer. They are spending their honeymoon at the Wisconsin Dells. The best wishes of the entire local trade is extended to the young couple.

## GUST. RUSCH & CO.



Wholesale Florists

Jobbers in  
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Mention the American Florist when writing

### Wholesale Flower Markets

MILWAUKEE, June 19.

|                            |           |      |
|----------------------------|-----------|------|
| Roses, Beauty...per doz.,  | 75@       | 3 00 |
| " Killarney.....           | 3 00@     | 8 00 |
| " Richmond.....            | 3 00@     | 8 00 |
| " White Killarney.....     | 3 00@     | 8 00 |
| Carnations.....            | 1 00@     | 3 00 |
| Daisies.....               | 50@       | 1 00 |
| Lilium Gigantum.....       | 1.25 doz. | 8 00 |
| Peonies.....               | 3 00@     | 4 00 |
| Sweet Peas.....            | 50@       | 1 00 |
| Swainsona...per bunch,     | 35        |      |
| Asparagus.....per string,  | 50        |      |
| " Sprenger, per bunch,     | 35        |      |
| Ferns, Fancy.....per 1000, | 3 00      |      |
| Galax.....per 1000,        | 1 50      |      |
| Smilax.....per doz.,       | 2 50      |      |

Rusch & Co. are receiving some exceptionally fine lilies of the valley which are being disposed of readily. This firm reports business very satisfactory.

The C. C. Pollworth Co. is cutting some fine carnations which are being disposed of at the local market. This firm reports business very satisfactory. G. R.

### Rochester, N. Y.

#### TRADE ABOUT THE AVERAGE.

Trade conditions during the last week or two have been normal. The return of warm weather caused sudden demand for bedding stock, which, on account of the cold weather, is rather late. An occasional wedding order tended to liven things up a little.

#### NOTES.

At a meeting of the Rochester Florists' Association held Monday evening President John Dunbar praised highly the work of E. T. Wilson, a botanical expert, in his bringing to this country from China new species of plants and shrubs. The Board of Park Commissioners has been presented by Dr. Sargent of the Arnold Arboretum a number of the new trees to be grown in the city parks. The members present at the meeting were entertained in song by the Brahm's Glee Club. There will be no meetings during the sum-

## RICE BROTHERS

Wholesalers of Cut Flowers  
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

## Seattle Cut Flower Exchange

Removed to  
1608 Second Ave., SEATTLE, WASH  
Everything in Cut Flowers, Greens,  
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

Mention the American Florist when writing

mer, the next one to be held September 9.

The Ladies' Florists' Club spent a pleasant afternoon at Highland Park Wednesday. They discussed business matters and made arrangements to establish a Japanese tea garden during the week of the flower show, to be held here in the fall.

Horace J. Head sailed for his home in Shefford, England, Saturday on the "Olympic." His many friends join in wishing him a safe journey, a pleasant time and a speedy return.

Charles W. Curtis of Irondequoit says he has had a profitable season in out-door stock and is already "cleaned out" of everything.

George T. Boucher will remodel his store this summer. C. G.

MUNCIE, IND.—One of the most severe hail storms that has ever visited this section of the country, visited this city June 16. Williams & Clark lost practically all of the 25,000 feet of glass in their greenhouses; Mrs. Geo. F. Miller had two-thirds of her glass destroyed, while the Muncie Floral Co. and H. J. Polomkon fortunately escaped any great damage to their greenhouses.

# Young Rose Stock WELCH BROTHERS,

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock. WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000. Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland, and other seasonable stock.

## Washington.

### STOCK OF GOOD QUALITY.

There is little change in the condition of business from that of a week ago, though some of the retailers say that it is better than it was in June a year ago. There is no great surplus of stock, but what is at hand is generally of good quality. Cool nights for the past two weeks have helped to keep carnations in good condition where they had been properly shaded and otherwise well cared for. Heavy rains have given field stock a great start. Good sweet peas, grown in the open, are now coming in. The local rose growers are busy throwing out old stock and planting new, which to some extent cuts down the local rose supply. Good stock of roses and peonies continues to come in from the north.

### NOTES.

W. F. Gude and his estimable wife entertained the members of the Washington Florists' Club and their lady friends at a garden party at their splendid home on the evening of June 13. A number of prominent citizens other than florists were also present, including Commissioner Rudolph and wife, Major Sylvester, chief of police, and his wife, and Fire Chief Wagner and wife. A pleasing feature of the evening was the presentation to Elmer Mayberry, late president of the club, of a handsome sterling silver table set. It was the gift of the club, among the members of which Mr. Mayberry has always been deservedly popular. The presentation speech on behalf of the club was made by Roe Fulkerson, a local business man and also a witty and versatile speaker and writer. Mr. Mayberry, in accepting the present, made a brief but appropriate talk. Among the entertainers of the evening were Mrs. Barbier of the Columbia Players, a talented musician; Geo. O'Connor, a local humorist, and Mrs. Loeffler, mother of Mrs. W. F. Gude. The grounds, with their beautiful summer houses and pagodas covered with climbing roses, made a fine picture under the mellow light of many Japanese lanterns and tiny electric globes. A good supper was served and both Mr. and Mrs. Gude were tireless in their efforts to make everybody feel at home. In addition to the entertainers previously mentioned, music was furnished by Pol's Orchestra. Among the local florists present were Adolphus Gude and family, Z. D. Blackstone and family, Elmer Mayberry and family, Otto Bauer and family, M. J. McCabe and family; Geo. Field and wife, John Robertson, N. L. Hammer, O. A. C. Oehmler, Geo. Dalglish, A. F. Faulkner, Harry Lewis, John Barry, Mrs. A. M. Hoopes and Miss Herold.

Henry Witte, a young German who for more than a year has been employed at the greenhouses of the Gude Bros. Co., has gone into business for himself and is erecting two greenhouses at Silver Hill, Prince George County, Maryland, which is about three miles from Good Hope, D. C. Mr. Witte, who is a bright and well educated young man, has recently been joined by his brother from Germany and their venture will be noted with interest and good wishes.

An attempt is being made in this city to outlaw stray cats and have them shot, whereat the Cat Club has

## Wholesale Flower Markets

| BUFFALO, June 19.           |    | Per 100  |
|-----------------------------|----|----------|
| Roses, Beauty, special..... | 20 | 00@25 00 |
| " " fancy .....             | 15 | 00@20 00 |
| " " extra.....              | 12 | 00@15 00 |
| " " No. 1.....              | 8  | 00@10 00 |
| " " No. 2.....              | 3  | 00@ 5 00 |
| Bon Silene.....             | 2  | 00@ 3 00 |
| Maid and Bride .....        | 3  | 00@ 6 00 |
| Plnk Killarney.....         | 3  | 00@ 8 00 |
| White Killarney.....        | 3  | 00@ 8 00 |
| Richmond.....               | 5  | 00@ 8 00 |
| My Maryland.....            | 3  | 00@ 6 00 |
| Kaiserine.....              | 3  | 01@ 8 00 |
| Carnot.....                 | 4  | 00@ 7 00 |
| Carnations.....             | 1  | 50@ 2 50 |
| Callas.....                 | 6  | 00@ 8 00 |
| Iris.....                   | 1  | 50@ 2 00 |
| Lilium Longiflorum.....     | 7  | 00@10 00 |
| Lily of the Valley.....     | 3  | 00@ 4 00 |
| Mignonette.....             | 2  | 00@ 3 00 |
| Peonies.....                | 3  | 00@ 5 00 |
| Swainsona.....              | 5  | 00@ 1 00 |
| Sweet Peas.....             | 5  | 00@ 1 00 |
| Adlantum Crowesnum.....     |    | 75@ 1 50 |
| Asparagus, per bunch, 35@   | 50 |          |
| Asparagne Sprengerl., 35@   | 50 |          |
| Ferns..... per 1000, \$2 50 |    |          |
| Galax..... per 1000, \$1 50 |    |          |
| Smilax.....                 |    | 15 00    |

| BOSTON, June 19.                |     | Per 100  |
|---------------------------------|-----|----------|
| Roses, Beauty, best.....        | 20  | 00@25 00 |
| " " medium.....                 | 12  | 00@20 00 |
| " " culla.....                  | 1   | 00@ 2 00 |
| " " Bride, Bridemaid.....       | 2   | 00@ 6 00 |
| " " Extra.....                  | 2   | 00@ 6 00 |
| " " Killarney and Richmond..... | 2   | 00@ 8 00 |
| " " My Maryland.....            | 2   | 00@ 8 00 |
| " " Carnot.....                 | 6   | 00@12 00 |
| Carnations, select.....         | 1   | 00@ 2 00 |
| Callas.....                     | 8   | 00@12 00 |
| Cattleyas.....                  | 35  | 00@50 00 |
| Gardenias.....                  | 6   | 00@12 00 |
| Lilium Longiflorum.....         | 4   | 00@ 8 00 |
| Lily of the Valley.....         | 2   | 00@ 4 00 |
| Mignonette.....                 | 3   | 00@ 6 00 |
| Narcissus, yellow.....          | 1   | 00@ 3 00 |
| " " white.....                  | 1   | 00@ 3 00 |
| Sweet Peas.....                 | 25@ | 75       |
| Smilax.....                     | 12  | 00@16 00 |
| Snappdragon.....                | 6   | 00@ 8 00 |
| Spirea.....                     | 2   | 00@ 3 00 |
| Stocks.....                     | 2   | 00@ 4 00 |

come to the rescue of the cats. Now Mrs. John B. Foster writes to a local paper saying that she has had a beautiful clematis, a handsome rose bush and a fine fern "all destroyed by your common cats." She calls the Cat Club "antediluvian." It all depends on the point of view; some people think the baseball fans are the worst nuisance in Washington.

Dr. Walter Van Fleet and Dr. Rodney H. True of the Arlington, Va., Farm of the Department of Agriculture are co-operating in an endeavor to establish in this country the European roses from which attar of roses is made. It is said to take one hundred pounds of petals to make half an ounce of oil.

A sixty mile an hour gale, accompanied by rain, thunder and lightning, tore through this city Sunday night between 6 and 7 o'clock. Great damage was done to shade trees. The police estimate that 2,000 trees were blown down and 5,000 badly damaged. An elm on the White House grounds, said to be nearly 100 years old, was blown down.

Among the visitors of the past week was J. L. Townes of Baltimore. He was on the lookout for plants for window boxes and says that Baltimore will put one over on the hanging gardens of Babylon when the National Democratic Convention meets.



Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists, BUFFALO, N. Y. Florists' Supplies and Wire Designs.

Mention the American Florist when writing

President Grillbortzer of the Florists' Club, and Mrs. Grillbortzer came from their Alexandria, Va., house to attend the Gude reception.

Geo. C. Shaffer was very busy with funeral work during the past week, having arranged over thirty pieces in one day.

Alexander B. Garden, who is now planting roses, has put in quite a stock of John Cook's pink rose Radiance and the German rose Mock.

The Washington Florists Co. will remove July 1 to their new store, 15th and H streets, N. W. A. F. F.

## Cleveland.

### JUNE BUSINESS GOOD.

June has been a good month so far as business is concerned. The enormous quantities of stock received has made considerable more work for the wholesaler, who has to handle it coming and going, and while prices have been quite low the large amounts handled have brought the average for the first half of June up to previous years. With commencements in June the average would have been far above.

White and colored water lilies are arriving daily and the demand is good. Lily of the valley, orchids, sweet peas and adiantum is in good demand. String smilax was in good demand the latter part of this week. American Beauties are in good demand. Killarney and White Killarney and Mrs. Aaron Ward are in good demand, and all are showing excellent color and size. Carnations are smaller in size and also much short-stemmed stock is arriving, but they are still very plentiful and selling at very low prices in lots of 500 and 1,000. Peonies, of course, are still favorites, and thousands are sold daily. Gladioli America and Francis King are in good demand. Easter lilies are moving slowly.

### NOTES.

The McNairy-Monroe wedding on Euclid avenue was only one of the many large weddings of note that took place the past week. My Maryland roses and American Beauties were the color scheme throughout. Decorations were in Louis XVI. Colonial style. Mrs. Lincoln Brown had charge of the decorative work.

C. F. B.

# EASTER LILIES

All year round grown by  
**Hoffmeister Floral Co.**  
 Lickrun, Cincinnati, Ohio

**St. Louis.**

**RAIN HURTS TRADE.**

The rainy weather continues and transient trade is at standstill. Were it not for school closings, weddings, and funerals there would be a surplus of flowers. The market has been flooded all week, especially with inferior grades of stock. Outdoor sweet peas are in and bad weather will not help them any, as many will arrive water-soaked. Gladiolas are bringing prices according to grade. There is quite a demand for all kinds of greens.

**NOTES.**

The St. Louis Florist Club met last Thursday. Seventeen members were present. Frank Venneman presided. A committee of three was appointed to draft resolutions on the death of the late Chas. Juengel. The trustees announced that the annual picnic would take place at Priesters Park near Belleville. This location was chosen to help our East side florists to attend on Wednesday, July 17. Will Ossig, a member of the firm of the Wm. C. Smith Wholesale Floral Co., and Charlie Young were appointed to assist the trustees in perfecting the arrangements and arranging the program. The essay to have been read by C. E. De Weaver on over and Sub-irrigation, was postponed owing to the indisposition of Mr. De Weaver. At the next meeting the nomination of officers will take place. F. H. Weber stated he would then inform those who wish to attend the S. A. F. Convention at Chicago in August, as to the route.

C. A. Kuehn went to Detroit to attend the funeral of his brother, George Kuehn, who died in Milwaukee. The deceased was also the father of Oscar Kuehn, manager of the Wire Department of the Wm. C. Smith Wholesale Floral Co. The sympathy of the trade is extended.

Otto Sander has removed to Kings Highway and Delmar. He has a very pretty and neat store and expects his customers will continue their business relations with him at the new location.

Henry Duernberg, with Grimm & Gorley, paid a flying visit to New York to study the latest novelties and styles in floral arrangements. He was royally received wherever he visited.

All the west end florists were busy last week with commencements and some prominent funerals and weddings took up their time.

Harry Young and Son are doing a nice trade at their store on Maryland avenue. W. F.

**Resolutions on Death of Chas. H. Juengel.**

Your Committee appointed to draw up resolutions in memory of our late brother, Charles H. Juengel, offer as follows:

Whereas death has removed from our midst Chas. H. Juengel, a member of this Club, whereas in the demise of Mr. Juengel the Club has met with irreparable loss, and whereas the deceased was known to us as a man of sterling worth and as a good neighbor and citizen, Mr. Juengel has ever exemplified the highest qualities, therefore, be it resolved that his memory will ever be cherished as an example of faith, friendship and true nobility, an inspiration of public fidelity so to have lived and to have died is not to have lived and died in vain. The St.

## Wholesale Flower Markets

**CINCINNATI, June 19.**

|                                    |       |         |
|------------------------------------|-------|---------|
| Roses, Beauty..... per doz.,       | 50@   | 3 00    |
| "                                  |       | Per 100 |
| " Bride, Bridesmaid.....           | 2 00@ | 8 00    |
| " Killarney.....                   | 2 30@ | 8 00    |
| " My Maryland.....                 | 2 00@ | 8 00    |
| " Perle.....                       | 2 00@ | 8 00    |
| " Richmond.....                    | 2 00@ | 8 00    |
| " Tait.....                        | 2 00@ | 8 00    |
| Carnations.....                    |       | 2 00    |
| Lilium Giganteum.....              | 8 00@ | 10 00   |
| Callas.....                        | 8 00@ | 10 00   |
| Gladiol.....                       | 6 00@ | 8 00    |
| Lily of the Valley.....            | 3 00@ | 4 00    |
| Peonies.....                       | 2 00@ | 4 00    |
| Sweet Peas.....                    | 35@   | 50      |
| Adiantum.....                      |       | 1 00    |
| Asparagus Plumosus.....per bunch,  | 25    |         |
| Asparagus Sprengerl.....per bunch, | 25    |         |

**ST. LOUIS, June 19.**

|                                  |        |       |
|----------------------------------|--------|-------|
| Roses, Beauty, medium stems..... | 25 00@ | 30 00 |
| " " short stems.....             | 2 00@  | 4 00  |
| " Bride, Bridesmaid.....         | 3 00@  | 4 00  |
| " Killarney.....                 | 3 00@  | 6 00  |
| " My Maryland.....               | 3 00@  | 6 00  |
| " White Killarney.....           | 2 00@  | 6 00  |
| Carnations.....                  | 1 50@  | 2 00  |
| Callas.....                      | 8 00@  | 10 00 |
| Easter Lilies.....               |        | 10 00 |
| Peas.....                        | 40@    | 6 00  |
| Valley.....                      | 3 00@  | 4 00  |
| Asparagus Sprengerl.....         | 2 00@  | 3 00  |
| Asparagus Plumosus.....per bu.,  | 35@    | 60    |

Louis Florists' Club mourns with a host of friends his taking off.

To his bereaved wife and family we now extend our deepest sympathy in this, their hour of affliction in memory of the nobility of his character, the faithfulness of his private and public life and the sincere attachment of the vast host of friends who with them mourn. Be it further resolved, that these resolutions be spread on the minutes of this club and a copy of the same be transmitted to the bereaved family.

J. F. AMMANN,  
 E. W. GUY,  
 Committee.

**Chicago Florists' Club Convention Bowlers**

The individual scores for games played Tuesday, June 18, are as follows:

|          |     |     |     |            |     |     |     |
|----------|-----|-----|-----|------------|-----|-----|-----|
| Huebner  | 134 | 194 | 151 | Ames       | 140 | 181 | 156 |
| Krauss   | 160 | 176 | 145 | Balfie     | 168 | 160 | 141 |
| Poerster | 185 | 178 | 188 | Wolf       | 165 | 179 | 164 |
| Amling   | 110 | 196 | 143 | Groff      | 132 | 172 | 173 |
| Weiss    | 132 | 128 | 116 | Schlossman | 181 | 234 | 181 |
| Ayers    | 193 | 156 | 160 | Farley     | 129 | 190 | 145 |

**NORTH BEVERLY, MASS.**—Aubrey A. Pembroke is building some new greenhouses on Dodge street.

**MARSHFIELD, WIS.**—Theo. Hefko, formerly with N. Greivelding of Merrill, has purchased the greenhouses of R. I. Macklin, taking possession.

**HARTFORD, CONN.**—Thomas J. Dryden has purchased the greenhouses at 358 Wethersfield Ave. formerly managed by E. W. Newton. Mr. Dryden will engage in floriculture.

**BOSTON, MASS.**—The Essex Decorating Co. has opened a store at 262 Essex St., Salem, for the sale of cut flowers, plants, etc. Wm. S. Mathews is the manager.

**PITTSFIELD, MASS.**—The Laurel Hill Horticultural Society has completely changed the aspect of the railway station by placing flowering roses in the porte-cochere.

—THE—  
**J. M. McCullough's Sons Co.,**  
 Wholesale Commission Florists.  
 —CONSIGNMENTS SOLICITED.—  
 Special attention given to Shipping Orders.  
**Jobbers of FLORISTS' SUPPLIES**  
**SEEDS and BULBS.**  
 Price List on Application.  
**316 Walnut St., CINCINNATI, OHIO.**  
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Mention the American Florist when writing.

**WM. C. SMITH**  
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 1316 Pine St., ST. LOUIS, MO.  
 Both L. D. Phones.  
 Supplies and Everything in Season always on hand  
 Please mention the American Florist when writing.

**Fresh Cut Valley**  
 AT ALL TIMES  
**C. A. KUEHN,** Wholesale Florist,  
 1312 Pine St., ST. LOUIS, MO.  
 A Complete Line of Wire Designa.

**THE MUNK FLORAL CO.**  
 Wholesale Growers of CUT  
 FLOWERS and Jobbers of  
 FLORISTS' SUPPLIES.  
**Columbus, Ohio**

**C. E. CRITCHELL**  
 34-36 Third Ave. East, CINCINNATI, O.  
 Wholesale Commission Florist  
 Consignments Solicited  
 Complete Stock of Florists' Greens and Supplies

**H. G. BERNING**  
 Wholesale Florist,  
 1402 Pine St., ST. LOUIS, MO.

**Special Low Price**  
 for 1st Quality DOVES  
 Per dozen.....\$10.50  
 " half dozen..... 5.25  
 Each..... 1.00  
 Get our list of other supplies.  
**GEO. H. ANGERMUELLER,**  
 Wholesale Florist,  
 1324 Pine Street, ST. LOUIS, MO.

## New York.

## TRADE STILL DULL.

Conditions in the wholesale market remain unchanged. Stock is plentiful. Peonies that are in over-supply are of poor quality. There is a good demand for the white varieties, but the large shipments of mixed sorts have to be disposed of in bulk. From all accounts they will be in good supply for the balance of the month. Outside "Jacks" of the short-stemmed grade are visible everywhere by the thousands. Stocks and Antirrhinum, even of the very best quality, meet with poor demand. Sweet peas have cleared up a little better. There is a glut of lilies in the market, and seldom has better quality been seen, but it is only for a very few that a fair price can be obtained. Gardenias are now plentiful and the quality is better and they find their way principally into the hands of the street men. There is a sufficient supply of lilies of the valley of very good quality to meet all demands. The supply of orchids has shortened up considerably and the demand for these has improved somewhat. The situation as far as carnations are concerned is worse, and even the very best, which are of excellent quality, have to be sacrificed with the lots of the poorer grades. A rather strange sight in Twenty-eighth street during the week was a push cart loaded down with carnations, thousands of them, of good quality, which had been bought for \$1 per thousand to be peddled on the streets, but as one wholesaler remarked, "this price was better than seeing them dumped into the ash cart." It has not been so unusual to see this same ash cart leave the wholesale section, in all locations, daily loaded down with stock of all kinds that had to be thrown away. With roses there is no noticeable change. Some of the novelties are selling well at times, but with the possible exception of good quality American Beauties, which are in good demand, the rose market is discouraging to say the least. It cannot be denied that all of the prominent retailers have been very busy, but the large orders they have sent into the market seem to make no impression on the visible supply. With the wholesalers the month of June has always been looked forward to as a very busy month, but this year the month has been disappointing. Even though the amount of stock moved has been tremendous, the prices are so low that when the receipts are figured they do not compare at all favorably with previous seasons. There is no question but that the orders for steamers have been curtailed, and now that flowers are prohibited in the public schools this rule will hurt the smaller stores. It is only a short time before the dull summer season will be here and the main topic of conversation seems to be "early closing" and vacations. Some of the "nabobs" in the commission business have planned extensive automobile tours, some planning to attend the convention at Chicago in their cars. Those dealers who are fortunate in not having automobiles will take fishing trips on their naphtha launches and sail boats.

Monday noon, June 17.—The weather is very hot, and stock of all kinds is showing the effects of the heat. Demand is only fair, stock plentiful.

## NOTES.

The temporary embarrassment of a prominent retailer may not be as bad as reported. It is said that a compromise of 50 cents on the dollar has been offered and will probably be accepted. The wholesale dealers as a rule are generous to a fault when they understand that troubles come to a customer through no fault of his own. The retailer in question has been a very good buyer in the market, and

A large stock of Bay Trees, Boxwoods, Rhododendrons, Azaleas, Roses, Evergreens, Climbing Vines, etc., on sale at our new William Street Show and Salesroom. Inspection invited.

**P. H. GOODSSELL**  
200 Broadway, NEW YORK CITY

**W. E. MAYNARD**  
Manager Sales Department  
157-159 William St. (Basement)

has the reputation in the past of always meeting his bills promptly.

The King Construction Company is now settled in its new offices at 1181 Broadway. H. E. Bates, its eastern manager, is delighted with the new location, as he has a better opportunity to meet the many growers when they visit the wholesale market. Mr. Bates reports the closing of several large contracts in the East. It does not take Mr. Bates very long to convince the skeptical grower that there is no such thing as over-production.

Walter F. Sheridan will welcome the advent of the "summer month" so that he may have the time to complete the organization of the alumni of the New York Florists' Club. This matter has been given in charge of Mr. Sheridan. So it goes without saying that this society will be a grand success and be hailed with delight by the ex-officers of the club.

Paul Berkowitz of Bayersdorfer & Co., Philadelphia, was a visitor this week. He is enthusiastic about the full line of novelties he will exhibit in Chicago at the time of the convention. The house of Bayersdorfer is one that realizes the importance and benefit of exhibition on a very large scale at the convention of the Society of American Florists.

Rapid strides are being made in the remodeling of the John Nicholas stores in Twenty-eighth street, and from present appearances they will be finely equipped for the sale of cut flowers at wholesale. It is intended to let out the upper floors to dealers in florists' supplies.

Philip Kessler, chairman of the Outing Committee, reports tickets going very fast, and if the weather is fine on July 2 the affair will be a great success. Already parties of nine and ten have taken tickets.

Alex. M. Westwood is making extensive improvement in his new store in the Pennsylvania terminal. He will have one of the most attractive stores in the city when it is completed.

P. J. Smith and family will spend the summer at Rockaway Beach. This is in easy commuting distance to the city and will permit Mr. Smith to be at his business daily.

The "boys" in the street are planning to give Harry Bunyard and Charles H. Totty a very warm reception upon their trip next Saturday.

H. J. Maybie, Maywood, N. J., anticipates making a large addition to his greenhouse plant the coming summer.

Peter Wagner and Mrs. Wagner of Flatbush, L. I., will sail for Europe on June 22 for an extended trip.

Visitor: E. J. Fanecourt, Philadelphia.

## Bowling Friday night:

|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Chadwick | 169 | 175 | 243 | 201 |
| Kaduda   | 122 | 133 | 150 | 131 |
| Proten   | 193 | 183 | 168 | 178 |
| Irwin    | 147 | 167 | 148 | 147 |
| Nugent   | 102 | 110 | 124 | 131 |
| Shaw     | 149 | 131 | 139 | 122 |

Y.

## Baltimore.

## NOTABLE SEASON CLOSURES.

With the close of the month of June florists feel that the floral season is about over. The middle of the month really sees the close of any demand for flowers, as commencements, weddings and such events that call for flowers terminate by that date. This season, though, has been a notable one here. Quantities of flowers have been used

for weddings, which have been numerous, and never has there been a season when more graduates have made their bow to the public.

## NOTES.

The Flower Festival and competitive exhibition of the Baltimore county schools took place on Tuesday afternoon at 2 o'clock in Clifton Park, Baltimore. This is an annual event and hundreds of children garbed as spring fairies, flowers, birds, brownies and wood sprites gambled over the green sward. And flowers! There were hundreds and hundreds of buds and plants—fine specimens—on exhibition. Music, songs, folk dances and games were included in the program. Five thousand or more attended and enjoyed this very interesting performance. The prizes are so divided that each class and each school was rewarded for its efforts during the year.

Flower-raising has been taught in the schools for years and it has been the aim of the teachers to stimulate the children to grow plants, and each child is given a plant to grow for this festival and without any aid to carry it from seedling to blooming plant. Window boxes are placed in school rooms and teacher and pupil cultivate the flowers together. We cannot say too much for this, as we think all nature work of great value.

Miss Alexia Anderson, daughter of Andrew Anderson, florist, graduated from Drexel Institute, Philadelphia, Pa., last week and is at home now with her parents. Miss Anderson is very ambitious and has passed excellent examinations. She expects to become a teacher later on. B.

## Boston.

## A SUMMER FLURRY.

The outlook is somewhat brighter than that of last week. There have been quite a few weddings of both society and plebeian buds and, with some funeral work, trade has lost its sleepy state. Graduations have, as usual, taken a great quantity of flowers and at some of them class colors predominate, but with dinners and other affairs the trade has much to be thankful for. A variety of flowers are used at the latter. Long-stemmed roses are not much called for. It has been the shorter grades that have sold. There are some very fine sweet peas in the market. The cool weather we have had has been to their advantage. This also applies to the carnations which are, for June, very good. John Barr's and those handled by Herbert Capers at the Co-operative Market are of extra quality for this month.

## NOTES.


From his big house at Revere, Thos. Roland is shipping tomatoes by the ton to this city, and the receipts, we hear, beat those of the flower growers to a frazzle. Settlement is made two days after receipt of goods. Between his plant and vegetable successes Tom is certainly on the sunny side of Easy street. Brains and push well directed do wonders. Some of us imagine we own both these qualities, but the result in cold cash doesn't figure up the right totals. We can't all be clever. There wouldn't be anything left for the next generation to do if we did it all now.

Tuesday night the Gardeners' and Florists' Club had a most enjoyable ladies' night. MAO.

PHILADELPHIA NEW YORK WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS  
109 West 28th Street, NEW YORK  
Everything in Cut Flowers.  
Percy B. Rigby, Treasurer. Everything in Supplies

**Traendly & Schenck,**

WHOLESALE FLORISTS,  
131 & 133 WEST 28th ST  
Phoncs: 798 and 799  
NEW YORK

**Charles Millang**

WHOLESALE FLORIST  
55 and 57 West 26th St., NEW YORK  
Telephones: 7062-7063 Madison.

**Badgley, Riedel & Meyer, Inc.**

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34 West 28th St., NEW YORK.  
PHONES 1864 & 1865 Madison Sq. Consignments Solicited

**N. Y. Cut Flower Exchange**

Coogan Bldg., 6th Ave. & W. 26th St., New York  
Open for Cut Flower Sales at 6 o'clock Every Morning  
Desirable wall space to rent for advertising.  
**V. S. DORVAL, Secretary.**  
Mention the American Florist when writing

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Cut Flowers at Wholesale  
J. J. COAN, Manager  
111 W. 28th St. Telephone 6237 Madison Square  
NEW YORK  
Consignments Solicited

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Consignments Solicited  
Telephone 3559 Madison Square.  
54 West 28th St. NEW YORK  
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**P. J. SMITH,** Successor to John I. Raynor,  
Wholesale Commission Florist, **SPILLING AGENTS FOR LARGEST GROWERS**  
The Home of the Lily. A full line of Choice Cut Flower Stock for all purposes by the 100, 1000 or 10,000. Consignments Solicited.  
Telephones, 1328, 1998 Madison Square  
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**N. Lecakes & Co., Inc.**

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53 W 28th St., bet. Broadway and Sixth Avenue. NEW YORK  
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**OFFICIAL S. A. F. Shipping Labels**

FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

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Wholesale Florist  
55-57 West 26th Street  
NEW YORK CITY  
Telephone: 3864 Madison Square  
Mention the American Florist when writing

**Wholesale Flower Markets**

|                                    | NEW YORK, June 19. | Per 100   |
|------------------------------------|--------------------|-----------|
| Roses, Beauty, special.....        | 15                 | 40@75 00  |
| "    "    extra and fancy....      | 8                  | 00@15 00  |
| "    "    No. 1 and No. 2....      | 2                  | 00@ 6 00  |
| "    Bride, Bridemaid, special. 1  | 00@                | 4 00      |
| "    "    extra and fancy.....     | 2                  | 00@ 3 10  |
| "    "    No. 1 and No. 2.....     | 5                  | 00@ 1 00  |
| "    Killarney, My Maryland... 4   | 00@                | 6 00      |
| "    "    extra and fancy.....     | 2                  | 00@ 3 00  |
| "    "    No. 1 and No. 2. 1       | 00@                | 1 50      |
| "    Richmond.....                 | 1                  | 00@ 6 00  |
| Carnations.....                    | 5                  | 00@ 3 00  |
| Cattleyas.....                     | 10                 | 00@ 25 00 |
| Gardenias.....                     | 2                  | 00@ 25 00 |
| Lilies, Longiflorum and Harrisii 2 | 00@                | 4 00      |
| Lily of the Valley.....            | 1                  | 00@ 3 00  |
| Sweet Peas, per doz. bunches. 25   | @                  | 75        |
| Adiantum Croweanum.....            | 5                  | 00@ 1 00  |

**Moore, Hentz & Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,  
Telephone No. 756  
Madison Square, NEW YORK

Mention the American Florist when writing

**WM A. KESSLER**

Successor to Kessler Bros.  
113 W. 28th St NEW YORK.  
CUT FLOWERS  
WHOLESALE PLANTSMEN AND FLORISTS  
Phone 2336 Madison. Shipments Everywhere  
Prompt and satisfactory Consignments solicited  
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Successor to FORD BROS.  
Receivers and **FRESH FLOWERS.**  
Shippers of  
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Telephone 3870-3871 Madison Square  
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**HORACE E. FROMENT**

WHOLESALE COMMISSION  
American Beauty Roses a specialty, Rosas, Violeta, Carnations, Valley, Lilies, Etc.  
57 West 28th St., NEW YORK CITY  
Telephones: 2200 and 2201 Madison Square

**The Kervan Company**

FRESH CUT EVERGREENS  
and Mosses, Decorating Material for Florist Trade, at Wholesale.  
TELEPHONES MADISON SQUARE 1519-5893  
119 West 28th Street NEW YORK  
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**Walter F. Sheridan**

WHOLESALE FLORIST,  
Telephones: 3532 and 3533 Madison Sq.  
131 & 133 West-28th St., NEW YORK

1888 1912

**GUNTHER BROS.**

Wholesale Florists  
110 West 28th Street, NEW YORK  
Tel. 551 Madison Square  
CONSIGNMENTS SOLICITED

**WILLIAM H. KUEBLER**

Wholesale Commission Dealer in  
**CUT FLOWERS**  
28 Willoughby Street,  
Tel. 4591 Main. BROOKLYN, N. Y.

# This Budding Knife Free



The Unrivaled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

## HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax. New crop Fancy and Dagger Ferns will be ready May 5th to 10th, we are booking orders now. Write, wire or phone,

Caldwell the Woodsman Co.  
Everything in Southern Evergreens.  
EVERGREEN, ALA.

## Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,  
713-717 Milwaukee Ave., CHICAGO

## Live Spagnum Moss

Finest quality for mixing with peat or for top dressing.

THE C. W. BROWNELL CO.  
WALDEN, N. Y.

### Prize Apples.

The time draws near for the village flower show, and from Devon the following anecdote has reached us. Mr. Mudge, gardener at "the big house," had a great success last year. He specialized in apples—mixed apples—and found to his joy, on one tree, a perfect monster. Then he paid a round of calls on gardener friends, and the following conversation took place.

"Be showing apples this year, Mr. Dodge?"

"Don't know as I be, Mr. Mudge. Not got many to speak of, and the apple drains has had they something cruel. There's one big one on that tree, but what's the good of showing he?"

"Doesn't stand to reason to show one, Mr. Dodge. Might as well give it to I."

"I'm sure you're mighty welcome." Three such calls and the discovery of two apples of unequal merit on his own trees enabled Mudge to win the prize.—Pall Mall Gazette.

## Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 50c; 500 seeds, \$1.50; 1000 seeds, \$3 00.

Vaughan's Seed Store,  
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### ASPARAGUS PLUMOSUS NANUS

### VAUGHAN'S SEED STORE

CHICAGO NEW YORK



## FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000  
Sphagnum Moss, large bales.....\$2.50  
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000  
Boxwood.....per pound 20c; 50-pound case, \$7.50  
Magnolia Leaves, Imported Green and Bronze. Basket, \$2.25; 6 baskets \$2 each  
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

### MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

### We Are Now Booking Orders for Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**  
E. A. BEAVEN, Evergreen, Ala.

Send Advertisements Early For Best Results.

### George Cotsonas & Co.

Wholesale and Retail Dealers

In all kinds of Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc..



Delivered to all parts of United States and Canada  
127 W. 28th St., bet. 6th & 7th Aves., New York  
Telephone 1202 Madison Square.  
Mention the American Florist when writing

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Established in 1857.



739 Buckingham Place,  
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY  
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## "WILSON"

1 and 5 Greene Ave. and 339 to 347 Greene Ave.  
Greenhouses: Short Hills, N. J.  
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**John G. Heinel & Son,**  
129 South Seventh St.  
Telephone 247

We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

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Successor to Slevens & Boland  
**FLORIST**  
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Brooklyn, N. Y.

Telephone 334 Main

**S. MASUR**

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

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**A. LANGE,**

25 E. MADISON ST.

Chicago. Des Moines.

**ALPHA FLORAL CO.**

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Largest and most centrally located store in the city. All orders given prompt attention.



A sign like this in your window will draw good business now.

### Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.  
June 23.  
FROM MONTREAL, Corinthian, Allan.  
June 25.  
Ryndam, Holl.-Amer., 10 a. m., Hoboken Pier.  
Kaiser Wilhelm II, No. Ger. Lloyd, 10 a. m., Hoboken Pier.  
FROM BOSTON, Laconia, Cunard, East Boston Dock.  
June 26.  
Campania, Cunard, Piers 54 and 56, North River.  
June 27.  
Adriatic, White Star, 12 noon, Piers 59 and 60, North River.  
K. Auguste Victoria, Ham.-Amer., 9 a. m., Hoboken Pier.  
La Provence, French, 10 a. m., Pier 57, North River.  
June 28.  
FROM MONTREAL, Tunisian, Allan.  
FROM QUEBEC, Empress of Britain, Can. Pac., 3:30 p. m.  
June 29.  
Caronia, Cunard, Piers 54 and 56, North River.  
Oceanic, White Star, 12 noon, Piers 59 and 60, North River.  
Zeeland, Red Star, 10 a. m., Pier 61, North River.  
St. Paul, Amer., 9:30 a. m., Pier 62, North River.  
Caledonia, Anchor, 9 a. m., Pier 64, North River.  
FROM BOSTON Cretle, White Star, 10 a. m., Charlestown Dock.  
FROM PHILADELPHIA, Dominion, 10 a. m., Pier 54.  
FROM PHILADELPHIA, Graf Waldersee, Ham.-Amer., 11 a. m.  
FROM MONTREAL, Pretorian, Allan.  
FROM MONTREAL, Canada, White Star-Dom., daylight.

**Alexander McConnell,**

611 Fifth Ave., cor. 49th Street.

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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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**Frank Valentine**

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

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Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.

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**Young & Nugent**

Telephone 2065-2068 Madison Square.

42 West 28th Street.

To out-of-town florists  
We are in the Heart of NEW YORK  
And give special attention to steamer and theater orders. Prompt deliveries and best stock in the market.

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Dallas, Texas.

**The Texas Seed and Floral Company**

Orders for cut flowers and designs solicited for delivery in any part of Texas.

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Washington, D. C.

**GEO. H. COOKE**

**FLORIST**

Connecticut Avenue and L Street

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**L. L. MAY & CO.**

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST

Kansas City, Mo.

**Geo. M. Kellogg Flower & Plant Co.**

1122 Grand Ave. Kansas City and Pleasant Hill, Mo. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.

New York.

Established 1874.

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N. E. Corner 44th St.  
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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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20-22-24 West Fifth Street.

We fill orders for any place in the Two Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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WILLIAM L. ROCK  
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Will execute orders for any town in

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Members of Florists' Telegraph  
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37-43 BROMFIELD STREET.

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Anderson, S. A., 440 Main, Buffalo, N. Y.  
Atlanta Floral Co., Atlanta, Ga.  
Baer, Julius, 138 E. 4th St., Cincinnati.  
Bertermann Bros. Co., Indianapolis, Ind.  
Boland, J. B., San Francisco.  
Bowe, M. A., New York.  
Breitmeyer's Sons, John, Detroit, Mich.  
Buckbee, H. W., Rockford, Ill.  
Clark's Sons, D., New York.  
Cleveland Cat Flower Co., Cleveland, O.  
Cooke, Geo. H., Conn. Ave. and L, Washington.  
Crump, Frank, Colorado Springs, Colo.  
Daniels & Fisher, Denver, Colo.  
Dards, 44th and Madison Ave., New York.  
Duer, Chas. A., Newark, O.  
Dunlop's, 46 Yonge St., Toronto, Can.  
Eyles, H. N. Pearl St., Albany, N. Y.  
Freeman, Mrs. J. D., Toledo, O.  
Galvin, Thos. F., Boston.  
Gasser, J. M., Co., Cleveland, O.  
Geny Bros., Nashville, Tenn.  
Grand Rapids Floral Co., Grand Rapids, Mich.  
Gude Bros., Washington.  
Habermann, Charles, New York.  
Hatcher, Florist, Amsterdam, N. Y.  
Hatcher, Florist, Schenectady, N. Y.  
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Hess & Swoboda, Omaha, Neb.  
Hoffman, 59 Mass. Ave., Boston.  
Holm & Olson, St. Paul, Minn.  
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Kellogg F. & P. Co., Geo. M., Kansas City.  
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La Crosse Floral Co., La Crosse, Wis.  
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Mangel, 17 E. Monroe St., Chicago.  
Masur, S., Brooklyn, N. Y.  
Matthews, 16 3rd St., Dayton, O.  
May & Co., L. L., St. Paul, Minn.  
McConnell, Alex., New York.  
McKenna, Montreal, Can.  
Murray, Samuel, Kansas City, Mo.  
Myer, Florist, New York.  
Palmer, W. J., & Son, Buffalo.  
Park Floral Co., The, Denver, Colo.  
Penn, the Florist, 43 Bromfield St., Boston.  
Podesta & Baldocebi, San Francisco.  
Pollworth Co., C. C., Milwaukee.  
Rock Flower Co., Wm. L., Kansas City.  
Saakes, O. C., Los Angeles, Calif.  
Saltford Flower Shop, Poughkeepsie, N. Y.  
Schiller The Florist, 2221 W. Madison St., Chicago.  
Schling, Max, 22 W. 59th St., New York.  
Schulz, Jacob, Louisville, Ky.  
Shaffer, Geo. C., Washington.  
Smith Co., A. W., Pittsburgh, Pa.  
Smith, Henry, Grand Rapids, Mich.  
Texas Seed and Floral Co., Dallas, Tex.  
Valentine, Frank, 153 E. 110th St., New York.  
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Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good Sections of Ohio, Indiana and Canada.

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All Orders Given Prompt and Careful Attention

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**Robert Kift,**

1725 Chestnut St.

Personal Attention to all Orders.

*M. C. Rowe*

IN THE HEART OF NEW YORK CITY  
Phone 6404 Madison Sq. 6 East 33d St.  
Our Motto—THE GOLDEN RULE

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—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.  
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Largest Floral Establishment in America,  
Established 1874. Incorporated 1909.

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Best Quality on Shortest Notice

**DANIELS & FISHER**Order by mail, telephone, telegraph or  
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THE J. M. GASSER COMPANY,

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Euclid Avenue.

We Cover All Points in Ohio.



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Cor. St. Catherine and Guy Sts.  
All orders receive prompt attention. Choice  
Beauties, Orchids and Valley always on hand

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Send flower orders for delivery in

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We solicit telegraph orders. Regular trade disc.  
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**The Cleveland Cut  
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Orders will be carefully  
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Send your orders for Chicago and Suburbs to



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Careful and prompt attention given to orders for Alaska, Washington and Oregon.

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BOTH PHONES No. 40  
LONG DISTANCE No. 40

Careful Attention To All Orders.

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No. 22 West 59th Street  
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Schenectady, N. Y. Amsterdam, N. Y.



Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

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For a Time he kept warm in a Bowling Alley. Drive a Man into a Corner and goad him to Desperation and he will go so far as to Bowl, provided he lives in a sporty Neighborhood.

One Evening he went down to see the east side go against the west side, but the Place was Dark.

The Authorities had interfered. It seemed that the Manufacture of Bowling Balls involved the Destruction of the Hardwood Forests, while the Game itself overtaxed certain Important Muscles ending with "alis," at the same time encouraging Profanity and the use of 5-cent Cigars.—Geo. Ade.

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BY BERTON BRALEY.

Wherever the railroad has vouchsafed a station,

And many a place where it's not,  
Way out on the fringes of civilization  
Or close to its busiest spot,  
Wherever a retailer's present to treat with,

His various samples to scan.  
Why, that is the place you are certain  
to meet with

And notice the Traveling Man.

He's easy to spot, for you cannot mistake him,

Take a smart sort of tilt to his lid,  
And a dash and devil-may-care-ness  
that makes him

A person whose trade can't be hid;  
Way back in his eyes is a luminous  
twinkle

And his smile's on a generous plan,  
Each move and each word and each  
laugh and each wrinkle

Proclaims he's a Traveling Man.

Despite all the horrors of countryside  
taverns

Which follow a wearisome ride,  
The rooms which are nothing but  
dreary old caverns

And the dishes eternally fried,  
He keeps up his cheer, he's a blithe  
sunny spirit,

He's built on the joyfulest plan;  
The latest stories or styles—you will  
hear it

From the lips of the Traveling Man.

He's gay and he's flippant, a trifle  
flirtatious,

But true, just the same, to his own.  
The helpless ones find him both gentle  
and gracious,

The other kind leave him alone;  
Through all kinds of trouble and worry  
and weather

He tends to the work of his clan,  
He's a link in the chain that keeps  
mortals together,

Here's how to the Traveling Man.

Louisville, Ky.

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Phones: Home 1388. Camb. Main 1388 A,  
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The Most Central Location in City.

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# Joseph Heacock Company's Palms & Ferns

Home-Grown, Well Established, Strong and Healthy

| Kentia Belmoreana |        |          |         |
|-------------------|--------|----------|---------|
| Pot               | Leaves | In. high | Each    |
| 2½-in.            | 4      | 8 to 10  | \$ 1 50 |
| 3-in.             | 5      | 12       | 2 00    |
| 4-in.             | 5      | 15       | \$0 35  |
| 5-in.             | 6 to 7 | 18       | 50      |
| 6-in.             | 6 to 7 | 21       | 1 00    |
| Cedar tub         | Leaves | In. high | Each    |
| 7-in.             | 6 to 7 | 31 to 36 | 2 50    |
| 9-in.             | 6 to 7 | 40 to 45 | 4 00    |
| 9-in.             | 6 to 7 | 42 to 48 | 5 00    |
| 9-in.             | 6 to 7 | 48 to 54 | 6 00    |
| 9-in.             | 6 to 7 | 5 ft.    | 7 50    |

| Cocos Weddelliana |  |          |         |
|-------------------|--|----------|---------|
| Pot               |  | In. high | Per 100 |
| 2½-in.            |  | 8 to 10  | \$10 00 |

| Areca Lutescens |               |          |        |
|-----------------|---------------|----------|--------|
| Cedar tub       | Plants in tub | In. high | Each   |
| 9-in.           | Several       | 5 ft.    | \$7.50 |

| Kentia Forsteriana—Made up |        |              |         |
|----------------------------|--------|--------------|---------|
| Cedar tub                  | Plants | In. high     | Each    |
| 7-in.                      | 4      | 36           | \$ 2 50 |
| 7-in.                      | 4      | 36 to 40     | 3 00    |
| 9-in.                      | 4      | 40 to 42     | 4 00    |
| 9-in.                      | 4      | 42 to 48     | 5 00    |
| 9-in.                      | 4      | 48 to 54     | 6 00    |
| 12-in.                     | 4      | 5½ to 6½ ft. | 15 00   |

| Phoenix Roebelenii |  |                       |        |
|--------------------|--|-----------------------|--------|
| Pot                |  |                       | Each   |
| 5-in.              |  | nically characterized | \$1 00 |
| 6-in.              |  | 18 to 20-in. spread   | 1 50   |
| Cedar tub          |  | High                  | Spread |
| 7-in.              |  | 18-in.                | 24-in. |

| Cibotium Schiedei |        |  |        |
|-------------------|--------|--|--------|
| Cedar tub         | Spread |  | Each   |
| 9-in.             | 4 feet |  | \$3 00 |
| 9-in.             | 5 feet |  | 5 00   |
| 9-in.             | 6 feet |  | 6 00   |

## When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—you can suit your own convenience, both going and coming. When you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

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**Wyncote, Pa.** Railway Station, Jenkintown.

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June and July Delivery

We will have a fine lot ready early in July. Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½ in.. \$5 per 100; \$45 per 1000.

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Rooted cuttings—Nutt, Poltevine and Ricard at \$10.00 per 1000 from now until Oct 1st. Honest samples for the asking.

**Plumosus and Smilax**

Extra fine Plumosus at \$25.00 per 1000; \$2.50 per 100.

Well hardened Smilax, the kind that give good results, at \$1.50 per 100; \$12.50 per 1000.

**ALBERT M. HERR, Lancaster, Pa.**

## Ferns for Dishes

|        |         |          |
|--------|---------|----------|
|        | per 100 | per 1000 |
| 2¼ in. | \$3.50  | \$30.00  |

Asparagus Plumosus, 2¼-inch, \$3.50 per 100; \$30.00 per 1000. 3-in., \$6.00 per 100; \$50 at 1000 rate. Cash with order.

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## The Two Best Roses of The Year

### Killarney Queen and Double White Killarney

Grafted plants for immediate delivery, \$30 per 100; 250 for \$70; \$250 per 1000. Own Root, \$25 per 100; \$200 per 1000.

**RICHMOND, Grafted,** \$15 per 100; \$120 per 1000; Own Root, \$7.50 per 100; \$60 per 1000.

**MRS. TAFT, (Rivoire.)** Own root, \$7.50 per 100; \$60 per 1000.

**RADIANCE,** Own root, \$7.50 per 100; \$60 per 1000.

**A. N. PIERSON, Inc., Cromwell, Conn.**

## Des Plaines Floral Co Carnations.

Des Plaines, Illinois

Mention the American Florist when writing

Double Fringed Petunias, Heliotrope, Queen of Violets, Geraniums, Nutt and Hill, 2 in. pots, per 100, \$2.00; Geranium Mme. Buchner, 2 in. pots, per 100, \$1.50. Daisy, Mrs. F. Sander, 2 in. pots, per 100, \$3.50. Chrysanthemums, 3 var., 2 in. pots, per 100, \$2.00. Bellis Daisy, white and pink, good plants, 50c. Pansy, Early Spring seedlings, now ready, of our choice strain, \$2.50 per 1000; 5000 for \$10.00. All carefully grown—prompt shipment.

**Elmer Rawlings, Wholesale Grower, Olean, N. Y.**

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## ASTERS.

Simple's Branching, best strain in white, pink and purple, fine plants from field, \$2.50 per 1000; 5,000 for \$10.00. Smilax, fine bushy plants, 2½-in., \$1.50 per 100, \$14.00 per 1000. Primulas, Obconica and Chinese, strong 2½-in., \$2.50 per 100.

**J. C. SCHMIDT, Bristol, Pa.**

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## The Seed Trade.

### American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

SWEET peas are reported quite short.

MAGGOTS are busy in the Chicago onion seed fields.

Low temperatures are reported from the western pea sections.

VISITED CHICAGO: R. L. Eaton, of the Girardeau Seed Co., Monticello, Fla.

ROCKY FORD, COLO. — Conditions among our vine seed crops are very fair, good in fact. R.

SENATOR FRANK C. WOODRUFF, of Orange, Conn., is attending the republican convention at Chicago this week.

THE death of John Roscoe Fuller, Floral Park, N. Y., is recorded in our obituary column this week.

F. R. COOPER, of F. Cooper, Ltd., Wellington, N. Z., is starting on an American trip and will call on the seed trade.

Chicago.—Prices on the Board of Trade, June 19, for grass seed were noted as follows: Timothy, \$8 to \$12 per 100 pounds.

CARL CROPP, of Vaughan's Seed Store, Chicago, with Mrs. Cropp and Carl, Jr., left June 19 for Europe and will sail via the S. S. Laurentic from Montreal, June 22.

THOSE in charge of the preparations for the Chicago convention of the American Seed Trade Association report that the preliminary inquiries indicate a large attendance. The banquet to be tendered the visitors is scheduled for Wednesday night, June 26. Automobile rides over the park and boulevard systems will be a feature of the meeting.

### California Seed Crops.

Hollister, June 15.—From the present outlook crops will be short generally with all growers. It is of course too early to say definitely, but we do not think sweet peas will average over 30 to 35 per cent of a crop, radish not much better than 60 per cent, carrot not over 40 per cent, parsnip with us about 50 per cent, and parsley 50 per cent. Lettuce seems fair and a delivery nearly in full should be made. Onion also promises well if there is sufficient moisture in the ground to make the seed and the crop does not suffer from hot spells. Altogether the season has been rather unfavorable, but with the exception of sweet peas there will be no extreme shortage of California grown seeds. W.

## Pieters-Wheeler Seed Company

Growers of  
High Grade  
SEED

Hollister,  
California



Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.

Correspondence  
Solicited.

### Nebraska Seed Crops.

Waterloo, June 15.—It is a little early to give very definite information on the crop outlook. There has been a large amount of replanting of ordinary dent corn, not so much among the crops we have growing for seed purposes as there has been among the farmers for regular grain crops. Our seed crops in dent corn are starting out in very good shape. Owing to cold weather the crop was planted a little late, and on account of dry weather seed did not germinate as quickly as usual. The crop has also been held back by cold weather, but is now in a fair way to make good progress. The acreage of flint corn is very fair. Farmers seemed a little more willing to grow flint corns this year than sweet corns. The stand is very good and present conditions fully up to the



*James Vick*

average for the time of the year, unless the crop might be considered a little backward. Sweet corn acreage is rather light. Farmers were not disposed to plant this season. The stand and outlook is fair.

In vine crops, we have had more damage from the striped beetle than we have ever had before. A few crops have been lost, but most of them have been carried through this critical period and are starting out with fair prospects. R.

Waterloo, June 18.—Corn crops are rather late and backward but have plenty of moisture and require nothing but good warm weather to advance rapidly. The weather is unsettled and is too cool much of the time. Bugs

and cut-worms have done considerable damage to vine crops but the necessary replanting was done in fair season and there is nothing at this time to indicate any material shortage. We believe all growers have planted the full acreage required for contracts, and if the weather conditions are favorable from this time on we do not see any reason why returns should not be satisfactory. C.

### The Spring Business.

We present herewith a number of reports on the spring business of 1912 from leading centers:

Arthur T. Boddington, New York.—The seed-selling season of spring 1912 has been a very satisfactory one with us. We have done a considerably increased business in spite of the increased prices of vegetable seeds. The great shortage in garden peas was not felt by us as much as we had expected. The season has been most satisfactory as regards the sales of spring bulbs, hardy roses, etc. In these lines we have had the best season in the history of the house. In all ways we think the spring seed season of 1912 was more satisfactory to us than the season of 1911.

James Vick's Sons, Rochester, N. Y.—Our trade, so far as we can estimate, has increased in all departments over last year. There has been a strong demand for all kinds of seeds, plants and bulbs, which has afforded us an excellent season's sale; on the whole, one of the most satisfactory in many years.

Northrup, King & Co., Minneapolis, Minn.—Taken as a whole, our business compares favorably with 1911. Some departments did not come quite up to our expectations. This is brought about, we believe, largely by the scarcity of some varieties of seeds.

A. Currie & Co., Milwaukee, Wis.—Compared with a year ago the seed trade with us has been much better, the volume of business being greater. This was especially noticeable in farm seeds. We had a heavy run on lawn grass seed.

Vaughan's Seed Store, Chicago.—In volume of business done with the trade, by mail and over the counter, our records show a liberal increase over all past years. The largest increase is shown by the first named branch.

A. C. Kendel, Cleveland, O.—Our March business was behind, April was much ahead and May a little ahead of last year; average for the three months shows a 5 per cent increase.

Established 1810.

## Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip  
Sole Agent for U. S. and Canada,  
CHARLES JOHNSON, Marietta, Pa.

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### SEEDS

### PLANTS

### BULBS

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Seedsman,

Rochester, N. Y.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale  
Trade Only.

SAN JOSE,

CALIF.

**Oklahoma Seed Growers' Co.**

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

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**S. M. Isbell & Co.,**

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

**Western Seed & Irrigation Co.**

Seed Growers and Dealers. Specialties:

Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

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**J. Bolgiano & Son**

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and Ellicott Sts., Baltimore, Md.

**ROUTZAHN SEED CO.**

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

**ROEMER'S Superb Prize PANSIES**

The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award International Exhibition, Dusseldorf, 1905. Catalogue free on application.

FRED. ROEMER, Seed Grower, Quedlinberg, Germany

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**Lawn Grass Seed**

WHOLESALE ONLY.

J. OLIVER JOHNSON,

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**QUALITY SEED BULBS PLANTS**  
SEND FOR CATALOGUE.  
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**BEANS, PEAS, RADISH**  
and all Garden Seeds

**LEONARD SEED CO.**  
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ONION SETS

GROWERS FOR THE TRADE  
Write for Prices.

**SEED PACKETS**

WRITE FOR SAMPLES AND PRICES.

**THE BROWN BAG FILLING MACHINE CO., Fitchburg, Mass.**

**Lily of the Valley from Cold Storage**

Order Now for June Weddings

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

**H. N. Bruns, 3032-3042 Madison St., Chicago**

**Freesias (Ready July 1.)**  
**California Grown**



|                                   |          |        |
|-----------------------------------|----------|--------|
| Mammoth, 3/4 and up.....          | Per 1000 | \$7.00 |
| Choice, 1/2 to 3/4-in.....        |          | 5.00   |
| First Quality, 3/8 to 1/2-in..... |          | 3.00   |

**PURITY--True.**

|                                |         |
|--------------------------------|---------|
| Mammoth, 3/4-in. and up.....   | \$25.00 |
| Extra Size, 1/2 to 3/4-in..... | 20.00   |
| First Size, 3/8 to 1/2-in..... | 17.50   |

**Vaughan's Seed Store,**  
CHICAGO. NEW YORK.

**Contract Seed Grower**

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.  
Correspondence Solicited.

GET QUOTATIONS FROM

**LANDRETH**

SEEDS which SUCCEED

Blomedale Farm. **Bristol, Pa.**

MANN'S

**Lily of the Valley**

are the finest in existence and their flowers bring the best prices on the London market. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

**John Bodger & Sons Co.**

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Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

**GLADIOLI**

Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Brencleyensis, Etc.  
Lilies, Summer Flowering Bulbs and Hardy Plants.

E. S. MILLER, Wading River, N. Y.

**TOMATO SEED**

Best Stocks. All Varieties.

**THE HAVEN SEED CO.**

Growers for the Wholesale Trade Only,

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**THE C. HERBERT COY SEED CO.**

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn

**Contract Seed Growers**

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,  
PEDRICKTOWN, N. J.

**Japanese Lilies**

|                                         |           |                  |
|-----------------------------------------|-----------|------------------|
| Spec. Album, 9 in.-11 in.....           | per 100.. | \$13.00          |
| Rubrum, 9 in.-11 in.....                | per 100.. | 9.00             |
| Melpomene, 9 in.-11 in.....             | per 100.. | 9.50             |
| Tuberose, Double, pearl, 4 in-6 in..... |           | \$3.00 per 1000. |

WEEBER & DON Seed Merchants and Growers.  
114 Chambers Street, NEW YORK, N. Y.

**Asparagus Plumosus Plants**

2 1/2-in. \$3.00 per 100; \$25.00 per 1000.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA

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FROM SAND FOR IMMEDIATE DELIVERY

|                      |               |         |                                 |               |                |                    |               |       |
|----------------------|---------------|---------|---------------------------------|---------------|----------------|--------------------|---------------|-------|
| <b>PINK.</b>         | R. C. per 100 | 1000    | <b>CRIMSON.</b>                 | R. C. per 100 | 1000           | <b>WHITE.</b>      | R. C. per 100 | 1000  |
| Gloria .....         | \$2 50        | \$20 00 | Pockett's Crimson.....          | \$2 50        | \$20 00        | Lynwood Hall ..... | 2 50          | 20 00 |
| Amorita .....        | 2 50          | 20 00   | Schrimpton .....                | 2 50          | 20 00          | Alice Byron.....   | 2 00          | 15 00 |
| Dr. Enguehard .....  | 2 50          | 20 00   | Intensity.....                  | 2 00          | 15 00          | Touset.....        | 2 00          | 15 00 |
| Pacific Supreme..... | 2 00          | 15 00   | <b>YELLOW.</b>                  |               |                | October Frost..... | 2 00          | 15 00 |
| Balfour .....        | 2 00          | 15 00   | <b>Crocus, the best yellow.</b> | <b>\$4 00</b> | <b>\$35 00</b> |                    |               |       |
|                      |               |         | Halliday.....                   | 2 00          | 15 00          |                    |               |       |
|                      |               |         | Maj. Bonnaffon.....             | 2 00          | 15 00          |                    |               |       |

The above varieties of 'Mums FROM SOIL, \$4.00 per 1000 additional.

**J. D. THOMPSON CARNATION CO.,** Carnation Specialists, **Joliet, Ill.**

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## GIANT PANSY SEED

### The KENILWORTH Strain

must not be compared with the flimsy Trimardea; it is much larger and of good substance. The immense flowers of 3 1/2 to 4 inches are of perfect form; every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The stock plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany and numerous others. 1912 seed now ready, light, medium or dark mixture 2000 seeds, 50c; 5000, \$1.00 1/4 oz., \$1.25; 1 oz., \$5.00.

**Pansies in Separate Colors.**

- Giant Adonis, beautiful light blue.
- Giant Emperor William, ultramarine blue.
- Giant King of the Blacks, coal black.
- Giant Beaconsfield, violet shading to white.
- Giant Golden Queen, yellow.
- Giant Golden, yellow with dark center.
- Giant Masterpiece, beautifully ruffled, with a wide range of colors.
- Giant white.
- Giant white with large violet center.
- Giant royal purple, fine large flowers.
- Giant orchid flowering, rare shades.
- Giant bronze and copper shades.
- Giant light blue, delicate shades of blue.
- Giant dark blue, deep blue shades.
- The 14 mixed in equal proportions.
- Trade packet, 25c; any 5 for \$1.00;

any 11, \$2.00  
The **Rainbow** blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.



## AFTER DECORATION DAY

you have empty houses. Will it pay you to keep them empty? Consider and think what will pay you best. I will help you and tell you there is nothing more profitable than a few benches of Asters. In August you can cut them already, and what then? It gives you ample time to fill your benches again for Fall and Christmas trade with Ferns, Begonias, Primulas, Cyclamen, Poinsettias, etc. We are well prepared with the best varieties of Asters in 2 1/2-in. pots and quote you **Crego Asters** in white, rose and pink. Semple's lavender, Vick & Hill's late branching pink, \$3.00 per 100; mixed all colors, \$2.50 per 100. We also have large **SEEDLINGS** big enough to replant on benches direct. Vick & Hill's late branching pink, Vick & Hill's late branching rose, Vick & Hill's new early branching rose, Crego rose, Crego giant pink, \$1.50 per 100; \$12.50 per 1000.

**Godfrey Aschmann,**  
1012 W. Ontario St., PHILADELPHIA, PA.

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Budding Knife Free. See Page 1312.

## Hydrangeas For July and August Flowering.

We have a large stock of very fine plants, well budded, which will flower during July and August. These plants are in the very best possible shape, and will be in perfection at the time when they are most in demand for the decoration of summer resorts, watering places, etc. Plants in new cedar tubs, 14-in. diameter, \$3.00 to \$4.00 each, according to size. If furnished in common butter tubs, \$1.00 each less. Extra large specimens in half barrels, \$5.00 to \$7.50 each

### PHOENIX ROEBELENI.

Hardest and finest palm for summer decoration—ironclad. Fine specimens, 12-in. pots, \$5.00 each

### Large Specimen Ferns.

We have a magnificent stock of exceptionally fine **Nephrolepis** in the following varieties, viz.:

- Elegantissima**, 12-in. pots, extra fine specimens, \$4.00 to \$5.00 each.
- Harrisii**, extra choice form of Bostoniensis. Extra fine specimens, 12-in. pots, \$7.50 to \$10.00 each.
- Bostoniensis**, 10-in. pots, extra fine specimens, \$2.50 to \$3.00 each.
- Giatrasi**, 10-in. pots, extra fine specimens, \$3.00 each.
- Scottii**, 10-in. pots, extra fine specimens, \$2.50 each.
- Elegantissima Compacts**, 6-in. pots, 50c each.
- Elegantissima**, 8-in. pots, \$1.00 each.
- Viridissima**, 10-in. pots, \$2.00 to \$3.00 each.

### Surplus Bedding Stock.

- CANNAS**, strong pot-grown plants, 4-in. pots. Pierson's Premier, Beaute de Poitvine, Roballion, Florence Vaughan, Souv. d' Antoine Crozy, Robt. Christie, Mlle. Berat, etc., \$5.00 per 100.
- Crotons**, best assorted varieties, 5 and 6 in. pots, \$6.00, \$9.00 and \$12.00 per dozen.
- Vincas**, variegated, fine plants, 3 1/2-in. pots, for vases and boxes, \$10.00 per 100.
- GERANIUMS**, strong plants, 4-in. pots. Double Gen. Grant, Trego, Jean Viaud, and other assorted varieties, \$8.00 per 100.
- Abutilon Savitzii**, 2 1/4-in. pots, \$4.00 per 100.
- Ageratum**, blue and white, 2 1/4-in. pots, \$4.00 per 100.
- Asparagus Plumosus Nanus**, 2 1/4-in. pots, \$4.00 per 100.
- Nasturtiums**, 4-in. pots, \$4.00 per 100.

**F. R. PIERSON CO.,** Tarrytown-on-Hudson, New York

## Lilium Harrisii

THERE are conditions, and they occur not infrequently, under which all lily bulbs fail to make good flowering plants. There may be, probably are, more difficulties attending the growing of **Lilium Harrisii** bulbs than most forcing varieties, and yet those who do them well have found the early blooms very profitable. In many parts of the south where this bulb has been grown over a longer season and without the overforcing sometimes imposed on the plants, **Harrisii** has given most satisfactory returns. We are contracting, subject to crop conditions, a select strain of **Well Grown Bulbs of Lilium Harrisii**

Sizes: 5 to 7; 6 to 7; 7 to 9 and upwards

Write for our **IMPORT LIST FOR FLORISTS** Now Ready.

All Lily Bulbs from all the World at Right Prices

**VAUGHAN'S SEED STORE, Chicago---New York**

## Own Root and Grafted ROSE PLANTS

- 1,200 Brides, 2 1/4 in. pots.
- 1,000 My Maryland, 2 1/4-in. pots.
- 400 Kaiserin, 2 1/4-in. pots.
- 700 Bridesmaids, 2 1/4-in. pots.
- 1,700 White Killarney, 2 1/4-in. pots.
- 2,000 Richmond, 2 1/4-in. pots.
- 1,500 Perles, 2 1/4-in. pots.

The above **OWN ROOT** stock we offer for immediate delivery at \$5.00 per 100.

1,500 **GRAFTED RICHMOND**, 4-in. pots.....\$15.00 per 100

RUSH YOUR ORDERS.

**J. L. DILLON,** Bloomsburg, Pa.



# Fall Forcing Bulbs



**Roman Hyacinths,  
Narcissus P.W. Grandiflora,  
Lilium Harrisii,  
Japanese Lilies,**

**Forcing Valley, Callas, Freesias and picked bulbs of all Dutch Hyacinths, Tulips and Spirea.**



N. B.—We are advised that the crop is none too good; some bulbs are diseased. Buy now. We have a supply from reliable growers. Write us.



**VAUGHAN'S SEED STORE,  
CHICAGO NEW YORK**

**THE NEW CARNATION**

## BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities.

**The New "Helen" Pink** A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit." Horticultural Society of New York. **TO BE DISSEMINATED 1911-1912.**

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

**Charles Weber,** Grower, LYNBROOK, Long Island, N. Y.

**R. G. Wilson,** Fulton St. and Greene Ave., BROOKLYN, N. Y.

**Chas. H. Totty,** MADISON, N. J.

## ORCHIDS...

Fresh Stock, in splendid order, just arrived.

*Cattleya Labiata, Cattleya Schroederae, Granulosa, Cattleya Trianae.*

We have a fine lot of *Oncidium Varicosum Rogersii* and *Oncidium Splendidum* ready to ship now.

**G. L. Freeman,** Wellfleet, Mass.

## ORCHIDS

**H. STANLEY,** Sandcross Lane, Reigate, Eng.

is now booking orders for

*Oncidium Forbesii* and *O. Marshallianum.*

Mention the American Florist when writing

## Roses, Cannas, Shrubs

Ask for New Price List

**THE CONARD & JONES CO.**

WEST GROVE, PA.

Mention the American Florist when writing

## Poehlmann Bros. Company, Morton Grove, Ill.

Western Headquarters for Rose Plants

GRAFTED.

Rose Queen, 3½-in. .... \$150 00 per 1000  
Bulgaria, 3½-in. .... 150.00 per 1000

OWN ROOT.

Maryland, 2½-in. .... Per 100 Per 1000  
\$5 50 \$50 00

## CHRYSANTHEMUMS

Now Is the Time to Plant 2½-in. Oct. Frost. We have 20,000 2½-in. Extra Fine Plants, which we are offering at \$20.00 per 1000. This is the best early white.

|                    | WHITE. |         | R. C. per |         | 2½-in. per |      |
|--------------------|--------|---------|-----------|---------|------------|------|
|                    | 100    | 1000    | 100       | 1000    | 100        | 1000 |
| Virginia Poehlmann | \$2 50 | \$20 00 | \$3 00    | \$25 00 |            |      |
| Clementine Fouset  | 2 50   | 20 00   | 3 00      | 25 00   |            |      |
| Alice Byron        | 2 50   | 20 00   | 3 00      | 25 00   |            |      |
| Timothy Eaton      | 2 50   | 20 00   | 3 00      | 25 00   |            |      |
| W. H. Chadwick     | 3 00   | 25 00   | 4 00      | 35 00   |            |      |

### YELLOW.

|                 |      |       |      |       |  |
|-----------------|------|-------|------|-------|--|
| Golden Glow     | 2 50 | 20 00 | 3 00 |       |  |
| Halliday        | 2 50 | 20 00 | 3 00 | 25 00 |  |
| Col. Appleton   |      |       | 3 00 | 25 00 |  |
| Major Bonaffon  | 2 50 | 20 00 | 3 00 | 25 00 |  |
| Yellow Eaton    | 2 50 | 20 00 | 3 00 | 25 00 |  |
| Golden Chadwick | 3 00 | 27 50 | 4 00 | 35 00 |  |
| Dolly Dimple    |      |       | 3 00 |       |  |

|               | PINK.  |         | R. C. per |         | 2½-in. per |      |
|---------------|--------|---------|-----------|---------|------------|------|
|               | 100    | 1000    | 100       | 1000    | 100        | 1000 |
| McNiece       | \$2 50 | \$20 00 | \$3 50    | \$30 00 |            |      |
| Maud Dean     | 2 50   | 20 00   | 3 50      | 30 00   |            |      |
| Patty         |        |         | 3 50      | 30 00   |            |      |
| Dr. Enguehard | 2 50   | 20 00   | 3 50      | 30 00   |            |      |

### RED.

|            |      |       |      |       |  |
|------------|------|-------|------|-------|--|
| Schrimpton | 2 50 | 20 00 | 3 00 | 25 00 |  |
| Intensity  | 2 50 | 20 00 | 3 00 | 25 00 |  |

## POMPONS.

Large Assortment of Best Commercial Varieties only.

R. C. .... \$3 00 per 100  
2½ in. .... \$4 00 per 100; \$35 00 per 1000

**SMILAX,** 3-in., at \$45.00 per 1000.

Orders are now booked for June and July delivery. All goods sold for cash or 30 days on approved credit.

## Budding Knife Free. See Page 1312

**Market Gardeners**

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

MUSCATINE, IA.—J. E. Hoopes & Co. report the biggest run on vegetable plants they ever had, having sold over 450,000 sweet potato plants alone, besides cabbage, tomato, celery, egg plant, peppers, etc.

**Prices of Indoor Fruits and Vegetables.**

Chicago, June 17.—Mushrooms, 7½ cents to 10 cents per small case; lettuce, 8 cents to 10 cents, small cases; cucumbers, 22½ cents to 35 cents per dozen.

New York, June 15.—Mushrooms, \$1 to \$3 per 4-pound basket; cucumbers, 50 cents to 65 cents per dozen, \$1 to \$3 per box; tomatoes, 8 cents to 15 cents per pound.

**Crop Rotation.**

Our next door neighbor is a gardener of the wrong type. His crops are arranged exactly as they were last year and probably the year before; that is, his tomatoes, potatoes, beans, peas, etc., occupy exactly the same plots as in former years. This is certainly wrong from many points of view and with such a variety as he grows, crop rotation would be very easy. There is some excuse for specialists planting the same thing in the same place from year to year but for a general gardener there is none, and even specialists begin to realize that it would be better for them to combine some firm crops into their plan of operations if they do not wish to bother with various truck crops. Thus, melon growers realize the importance of seeding down melon patches to grass or grain and many other crops could be handled the same way. In the first place, we encourage diseases by repeating our crops on the same spot. In the second place we facilitate the breeding of insects by such a course. And when we come to understand that crops deposit harmful substance, in the soil, then we must admit that repeated cropping is unwise. Rapid and long-reaching rotations is essential to the fullest success in truck farming, and we must also avoid related crops; thus potatoes, tomatoes and egg plants are open to the same maladies; so are cabbage, cauliflower, Brussels sprouts, kale, turnips and radishes. We could write on this subject at length, but "a word to the wise is sufficient." MARKETMAN.

BROOKLINE, MASS.—Thousands of people visited Holm Lea, Prof. C. S. Sargent's estate, June 9, when the grounds were open to the public.

KATOMAH, N. Y.—David A. Doyle, postmaster, died at his home here June 4. He was part owner of Deer Park Farm and a prominent patron of horticulture.

BRIDGEPORT, CONN.—The greenhouses of James Horan and Son were damaged by the heat from a burning paper mill nearby. The fire occurred on the evening of June 8.

**ROSES LAST CALL**

**We Need the Space They Occupy.**

|                                      |                                  |
|--------------------------------------|----------------------------------|
| American Beauties, 2¼-inch.....      | \$1.00 per 100; \$35.00 per 1000 |
| Double Pink Killarney, 2¼-inch ..... | 4.00 per 100; 35.00 per 1000     |
| White Killarney, 2¼-inch.....        | 4.00 per 100; 30.00 per 1000     |
| Pink Killarney, 2¼-inch.....         | 4.00 per 100; 30.00 per 1000     |
| Mrs. Jardine, 2¼-inch.....           | 4.00 per 100; 30.00 per 1000     |

**Notice LOW PRICES for Good Stock.**

**J. A BUDLONG, 82-86 E. Randolph St., Chicago**

TO THE TRADE

**HENRY METTE, Quedlinburg, Germany.**

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

**SPECIALTIES:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabulous, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed),** the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

**ROSE PLANTS**

2½-inch Pots.

|                      |         |          |                  |         |          |
|----------------------|---------|----------|------------------|---------|----------|
|                      | Per 100 | Per 1000 |                  | Per 100 | Per 1000 |
| American Beauty..... | \$4.00  | \$35.00  | My Maryland..... | \$5.00  | \$40.00  |
| Perle .....          | 3.00    | 25.00    |                  |         |          |

**PETER REINBERG, 30 E. Randolph St., Chicago**

**Bench Rose Plants==Grafted**

Pink and White Killarney, 2-year-old stock.

\$50.00 per 1000. Now ready for shipment.

American Beauty Plants, \$50.00 per 1000.

**BASSETT & WASHBURN, Hinsdale, Ill.**

Special 10% discount off this FERN list for Cash with Order. If you are short on anything in soft wooded plants write us.

|                   |        |        |         |         |         |         |          |
|-------------------|--------|--------|---------|---------|---------|---------|----------|
|                   | 2¼-in. | 3-in.  | 4-in.   | 5-in.   | 6-in.   | 7-in.   | 8-in.    |
| Bostoniensis..... | \$5.00 | \$7.50 | \$12.50 | \$25.00 | \$40.00 | \$60.00 | \$100.00 |
| Whitmanii.....    | 6.00   | 7.50   | 15.00   | 35.00   | 50.00   | 75.00   | 125.00   |
| Amerpholii.....   | 7.50   |        |         | 40.00   |         |         |          |
| Piersonii.....    | 4.00   | 7.50   | 12.50   | 25.00   | 50.00   |         |          |
| Scottii.....      |        |        | 15.00   |         |         |         |          |
| Roosevelt.....    | 12.50  |        | 25.00   | 50.00   | 75.00   |         |          |
| Plumosus.....     | 3.50   | 7.50   | 15.00   | 25.00   | 50.00   |         |          |
| Sprengeri.....    | 2.50   | 6.00   | 15.00   | 25.00   | 40.00   |         |          |
| Maiden Hair.....  | 5.00   | 10.00  |         |         |         |         |          |
| Small Ferns.....  | 5.00   |        |         |         |         |         |          |

Large specimen ferns in 10 in. and 12 in. at \$2.00 to \$2.50 each. Ask for our other lists in season. Give Express Co. Pekin, Ill.

GEO. A. KUHL

Wholesale Grower



Watch for our Trade Mark stamped on every brick of

**Pure Culture Mushroom Spawn**

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

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

**Surplus Roses**

Send for Stock List and Prices.

**LEEDLE FLORAL COMPANY** - SPRINGFIELD, OHIO



# Chrysanthemums

Strictly First-Class Stock

Amorita, L'Africane, Col. D. Appleton, Smiths Advance, Major Bonnatton, White Bonnatton, Mrs. H. W. Buckbee, Baby, John Burton, Winter Cheer, Comoleta, Pickett's Crimson, Mlle. Margaret Desjouis, Wm. Duckham, Maud Dean, Donatello, Diana, Dr. Enguehard, Helen Frick, White Helen Frick, October Frost, Yellow October Frost, Roman Gold, Glenview, Lynwood Hall, Convention Hall, Ivory, Pink Ivory, Yellow Ivory, Iva, Mrs. J. Jones, Yellow Mrs. Jones, Mrs. O. H. Kahn, Mrs. W. E. Kelley, Klondike, Vivian Morel, Nagova, Patty, Glory of Pacific, Wells Late Pink, Quinola, Chas. Razer, Polly Rose, Rufus, Pres. Roosevelt, Roserie, Mrs. H. Robinson, Pacific Supreme, J. K. Shaw, Early Snow, Skibo, Clementine Touseit, Yellow Touseit, Unaka, Mayor Weaver, Yanoma.

From 2 in. pots, \$3.00 per 100, \$25.00 per 1000.  
**Fairy Queen**, Hartje & Elders pink Pompon for 1912.  
 From 2-in. pots, 25c each; \$2.00 per ten; \$15.00 per 100.

**Chrysolora**, from 2-in. pots, \$5.00 per 100; \$45.00 per 1000.

We still have a complete stock of Anemones, Pompons, Singles and exhibitions. Not less than 25 of a kind at 100 and 250 of a kind at 1000 rate.

Those desiring less than 25 plants of a kind will be quoted on application.

For type, color and flowering season, refer to our 1912 catalogue.

ELMER D. SMITH & CO., ADRIAN, MICH.

# ROSE STOCK

American Beauty.

\$10.00 per 100; \$90.00 per 1000.

**Rose Queen and Lady Hillingdon.**

\$20.00 per 100; \$150.00 per 1000.

**Killarney and Richmond.**

\$8.00 per 100; \$70.00 per 1000.

Sunburst.

\$30.00 per 100; \$250.00 per 1000.

All the above are splendid 3 and 4 in. stock.

# Chrysanthemums

All good Commercial Varieties, ready for immediate delivery.

CHAS. H. TOTTY, Madison, N. J.

# CANNAS

King Humbert, a foot high; fine Each Doz. plants out of 3-in. .... 7c  
 Mont Blanc, Improved, 4-in. .... 25c \$2.50  
 Wm. Sanders, 4-in., extra large .... 25c 2.50

20 Other Varieties in 3-in. pots. Send for list.

The Cedar Hill Gardens, Sea Cliff, L. I., N. Y.

Long Distance Phone. Cash with order, please.

Mention the American Florist when writing

# PALMS, FERNS AND Decorative Plants

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

# LOOK! BARGAINS IN Bedding Plants

**Cannas**, Alphonse Bouvier, Florence Vaughan, Mme. Crozy, Pennsylvania, Queen Charlotte, \$7.00 per 100 and 10 other fine varieties.

**Hardy or English Ivy**, made up of 3 plants, 4-in., 10c; 5-in., 15c.

**Ageratum**, dwarf, best blue, 4-in., in bloom, \$7.00 per 100; 3-inch, \$3.00 per 100.

**Lantanas**, assorted, 4-in., \$7.00 per 100.

**Geraniums**, S. A. Nutt, 2½-in., \$4.00 per 100; Alphonse Ricard, Buchner (white), Jean Viaud, 3-in., \$5.00 per 100.

**Ivy Geraniums**, 4-in., \$7.00 per 100.

**Cosmos**, assorted colors or separate, 3 plants in a pot, \$5.00 per 100.

**Honeysuckle**, sweet-scented Halleana, 4-in., 10c; 5-in., 15c each

**Clematis Paniculata**, 5½-in. pots, 15c to 20c each

**Ampelopsis Veitchii**, 30-in. high, 4-in. .... 15c each

5-in. .... 20c each

**Coclea Scandens**, 4-in. .... 10c each

**Shasta Daisies**, best white large-flowering hardy daisy, 2½-in., \$5.00 per 100.

**Asparagus Plumosus**, 2½-in., \$25.00 per 1000, \$3.00 per 100; 3-in., \$5.00 per 100.

**Asparagus Sprengeri**, 4-in., 10c; 3-in., 4c.

**Araucaria Excelsa**, April, 1911, importation raised from top cuttings, 6-7 in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

**Araucaria Excelsa Glauca and Robusta Compacta**, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

**Araucaria Excelsa**, new importation, arrived per steamer Lapland, in fine condition, out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.

**Kentia Belmoreana**, 4 year old, 30 to 35 inches high, \$1.50.

**Kentia Forsteriana**, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

**Kentia Forsteriana**, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

**Kentia Belmoreana**, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.

**Kentia Belmoreana**, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.

**Kentia Belmoreana** combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

**Kentia Belmoreana**, 4-in., 25c; 5½-in., 50c.

**Kentia Belmoreana**, 8-in. pots, made up of 4 plants, \$2.00. A big bargain.

**Kentia Forsteriana**; 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.

**Kentia Forsicriana**, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00 each.

**Cocos Weddelliana Palms**, made up of 3 plants, 4 to 5 in. pots, 30c to 40c; 3-in., 15c.

**Areca Lutescens Palms**, made up of 3 plants, 4-in., 20c to 25c; 5¼-in., made up of 3 plants, 25c to 30c.

**Aspidistras**, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf.

**Cuphea Australis**, 5-in. pots, 20-in. high, 35c.

**Ficus Elastica**, Belgium stock, large 4-in., 25c; American stock, 5-5½-in., 30c, 35c to 40c.

## Ferns.

**Neph. Cordata Compacta**, 4-in., 20c; 3-in., 15c.

**Neph. Whilmani**, 5½ to 6-in. pots, 35c, 40c and 50c.

**Fern Balls**, just arrived from Japan, large size, dormant, 25c (worth 50c).

## In Small Plants

we have the following in 2½ to 3-in. pots, at \$3.00 per 100:

**Verbenas**, assorted colors, \$2.00 per 100.

**French dwarf Tagetes** (the queen of the Marigolds).

**Phlox Drummondii**, dwarf, pure white, valuable for cut flowers, 2½-in. pots, \$3.00 per 100; Grandiflora and Dwarf, assorted colors, 2½-in., \$3.00 per 100.

**Coleus**, fancy leaved, 2½-in. pots, \$4.00 per 100; 3½-in., \$7.00 per 100.

**Sweet Alyssum**, Carpet of Snow or Little Gem

**Thunbergia**, or Black Eyed Susan.

**Lobelia**, Crystal Palace, blue, dwarf.

**California Giant Feunbia** 3-in., \$5.00 per 100.

**Petunias**, Rosy Morn and Inimitable, striped, 2½ in., \$3.00 per 100.

**Torenia Fournieri**, 2½-in., \$3.00 per 100.

**Nasturtium**, dwarf, for window boxes 4-in., \$5.00 per 100; 3-in., 3 plants in a pot, \$3.00 per 100.

**Asters** 5 separate colors, 2½-in., 3c; Crego, white, pink and rose, 2½-in. pots, \$3.00 per 100.

Now is the time for planting Moonvine.

Don't forget that we are the growers and shippers of Ipomea Noctiflorum, the pure white Moonvine, with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, 2½-in. pots, \$5.00 per 100; 3-in., \$8.00 per 100; 4-in., \$12.00 per 100.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

# GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

## Special Prices on BAY TREES

Every florist should have some of these on hands for decorating purposes. Nothing is more handsome and effective.

| Diam. Crown  | Height of Stem | Planted in tub | Planted in Mission Plant Box |
|--------------|----------------|----------------|------------------------------|
| 18 to 20 in. | 24 in.         | \$ 4.00 each   | \$ 5.75 each                 |
| 24 to 26 "   | 36 to 40 "     | 6.00 "         | 9.00 "                       |
| 28 to 30 "   | 36 to 40 "     | 7.75 "         | 10.50 "                      |
| 32 to 36 "   | 36 to 40 "     | 10.00 "        | 14.00 "                      |
| 38 to 40 "   | 36 to 40 "     | 11.50 "        | 16.00 "                      |
| 42 to 44 "   | 36 to 40 "     | 16.00 "        | 20.00 "                      |
| 46 to 48 "   | 36 to 40 "     | 20.00 "        | 25.00 "                      |

Order your Bay Trees planted in Mission Boxes as they do not blow over as easy as when planted in round tubs. We always ship these by freight unless otherwise instructed. They can be shipped with perfect safety most any time of the year; order today and get the good of them this season.

We can also supply Boxwood in Pyramid, Bush or Standard. State size wanted.

## Wagner Park Conservatories

Sidney, Ohio

SEND ADVERTISEMENTS EARLY FOR BEST RESULTS

## The Nursery Trade

### American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

THE death of J. J. Harrison of the Storrs & Harrison Co., Painesville, O., is recorded in our obituary column elsewhere in this issue.

THE continued report of the thirty-seventh annual convention of the American Association of Nurserymen will be found on page 1292 of this issue.

### Provides for Healing Tree Wounds.

It is always a problem of harvesting sap from trees to protect and heal the wounds to the tree. John T. Gilmer of Mobile, Ala., in patent 1,012,541, describes a method of treating trees for extracting the sap, such as turpentine, by so boring the bark and the sap wood of the trees as to form passages for the sap, that upon the removal of the sap collecting device from the tree, the outer ends of the passages will be closed by the growth of the bark layer over such passages.—Scientific American.

### A New Flowering Shrub.

Coryopsis Veitchiana, a new shrub introduced from China, was recently given an award of merit by the Royal Horticultural Society, writes a correspondent in The Garden. The plant shown was raised from seed collected by E. H. Wilson when working on behalf of the Arnold Arboretum. The seed was sown in the spring of 1908, and the plant has since made excellent growth, being now about four feet high and nearly a yard in width. The flowers are produced about the same time as C. spicata, an old favorite among our early-flowering spring shrubs. C. Veitchiana, however, has a delicious scent, resembling a boronia, which characterizes it from the former. The growth is also more upright, and the flowers are slightly paler than those of C. spicata, more loosely disposed and easily distinguished by the tomentose bracts, whereas those of its neighbor are membranous. The wood of this new species is slightly doubt, when better known, become exceedingly popular.

### Manna.

A recent issue of the Pharmaceutical Journal and Pharmacist gives interesting particulars of the Manna of the Bible. The plant, Lecanora esculenta, is found over a region covering southwest Asia, extending to southeast Europe and to northwest Africa. It appears on small stones, preferably small chalky pebbles, first as thick, wrinkled warty crusts, greyish-yellow on the outside and having a white mealy fracture. Later the flakes become cracked, detach themselves from the stones, and roll up into bullet-shaped or warty masses of about the size of a hazel nut. When the rain comes the Manna quickly absorbs moisture, and bursts into large flakes which have a mealy interior. When we consider that the dry Manna plants are carried considerable distances by wind, and are often blown together in considerable quantities, this rapid change from

hard, dry, almost stone-like substances into a flaky food may well have induced the belief of the Israelites that the Manna fell from heaven. In Persia Manna is used as a food, and is also given under the name of "Chirzade" to feeble and ill-nourished mothers as a lactagogue in daily doses of 150 to 200 grams. The food value of Manna lies in its 20-25 per cent of lichenin.—Gardeners' Chronicle.

—For the Best New and Standard—

## DAHLIAS

—Address—

### Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown June N. J.  
Mention the American Florist when writing

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

### ANDORRA NURSERIES,

Wm. Werner Harper, Prop.  
Chestnut Hill, PHILA., PA.

## THE Storrs & Harrison Co.

PAINESVILLE NURSERIES  
CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION

PAINESVILLE, - OHIO

## Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets  
IN BEST VARIETIES.  
Prices low. Send for list.

## Wood Brothers, FISHKILL New York

Mention the American Florist when writing

## THE CHRISTY ENGRAVING CO



SPECIALISTS in nursery process printing plates. If you are in the market for colored process catalogue covers or inserts, we will be pleased to submit samples and estimates upon request.

611 Central Building, Rochester, N. Y.

## Real Advertising Service

Is the title of a 16-page booklet designed to acquaint you with the benefits others in your line of business derive from **The Mumm-Romer Advertising Service**. It relates the story of a complete campaign conducted by us for a Western Nurseryman. Facts and figures are given to prove the efficiency of our ways of helping clients. If you are an advertiser you should read this booklet to profit by the experience of others. If you have never advertised you should make doubly sure of securing a copy to learn what advertising may do for you. Sent free if requested on business stationery. Edition limited.

Address the Service Department of

**The Mumm-Romer Company,** Horticultural Advertising, Columbus, Ohio

Mention the American Florist when writing

## B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

**BOBBINK & ATKINS**  
Nurserymen and Florists. RUTHERFORD, N. J.

# Bay Trees

Prices include tubs.  
Standard or Tree Shaped.

| Stems     | Crowns | Each    | Pair    |
|-----------|--------|---------|---------|
| 30 in.    | 24 in. | \$ 7.00 | \$13.00 |
| 45 in.    | 26 in. | 7.50    | 14.00   |
| 45 in.    | 30 in. | 10.00   | 18.00   |
| 48 in.    | 40 in. | 15.00   | 28.00   |
| 48 50 in. | 46 in. | 20.00   | 38.00   |

Dwarf Standards.

| Stems  | Crowns | Each    | Pair    |
|--------|--------|---------|---------|
| 30 in. | 24 in. | \$ 7.00 | \$13.00 |
| 18 in. | 24 in. | 7.00    | 13.00   |
| 12 in. | 30 in. | 7.50    | 14.00   |

Pyramid Shaped.

| Height | Diameter at Base | Each   | Pair    |
|--------|------------------|--------|---------|
| 5 ft.  | 24 in.           | \$8.00 | \$15.00 |
| 6 ft.  | 34 in.           | 15.00  | 28.00   |
| 7 ft.  | 30 in.           | 18.00  | 35.00   |

Bush Shaped.

| 24 in. high, 20 in. diameter. | Each   | Pair    |
|-------------------------------|--------|---------|
|                               | \$7.00 | \$13.00 |

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Prices include green tubs.  
10 per cent discount if wanted out of tubs.

Standard or Tree Shaped.

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|-------------------------------|--------|--------|
|                               | \$3.00 | \$5.00 |

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| 2½ ft. high. | 2.00 | 3.75  |
|--------------|------|-------|
| 3½ ft. high. | 3.00 | 5.50  |
| 4 ft. high.  | 4.00 | 7.50  |
| 5½ ft. high. | 7.50 | 14.00 |

Bush Shaped.

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| 12 in. | Each   | Doz.   | 100     |
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|        | \$0.35 | \$3.60 | \$25.00 |
| 15 in. | Each   | Doz.   | 30.00   |
|        | .40    | 4.50   |         |

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(Japan or Boston Ivy.)

| 4-inch, pot grown. | Each   | Doz.   | 100     |
|--------------------|--------|--------|---------|
|                    | \$0.30 | \$3.00 | \$20.00 |

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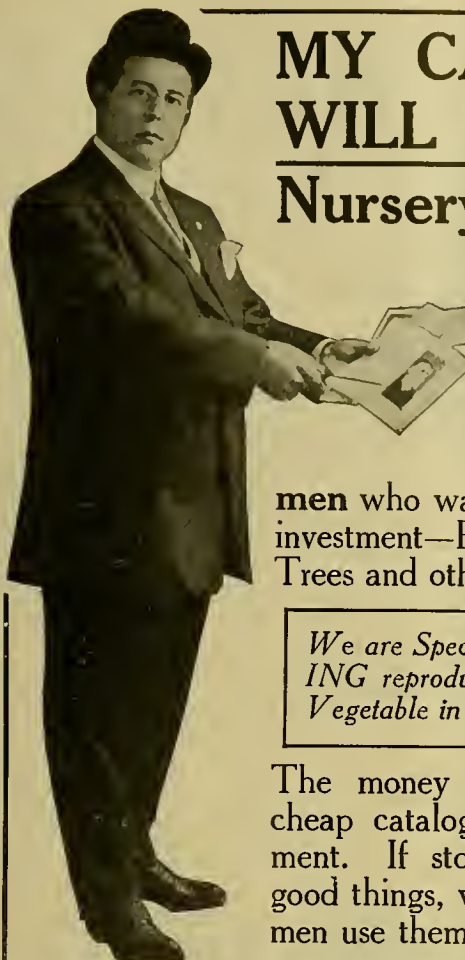
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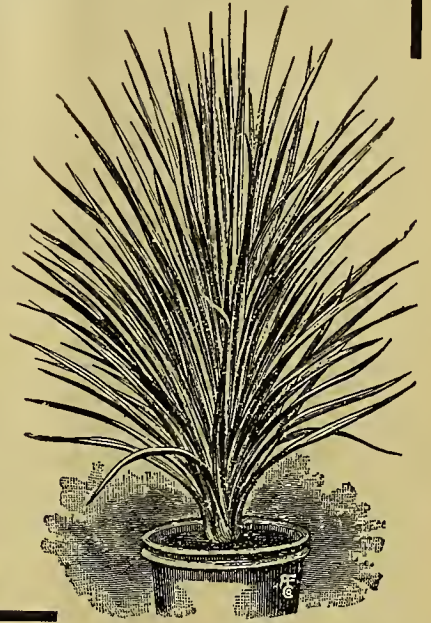
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| <b>Pyramid.</b>        |         |
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Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

Alternantheras, red and yellow, 2 1/4-in., \$2 per 100. Jos. H. Cunniffham, Delaware, O.

## AMPE OPSIS.

Ampelopsis Veitchii, 3-year-old, \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

## ARAUCARIAS.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., \$1 to \$1.25. Frank Oechslin, 4911 Quincy St., Chicago.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 4-in., 6 to 8 ins., case lots of 50 and 100 each, \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

## ASPARAGUS.

Asparagus plumosus nanus, from 2 1/4-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, prop., Chatham, N. J.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprengeri seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus, 2 1/2-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. Sprengeri, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus nanns, 2 1/4-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2 1/2-in., \$2.50 per 100; \$22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmanus, Newton, N. J.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengeri, 2 1/2-in., \$1.50 per 100; 4-in., \$5 per 100. Asparagus plumosus, 2 1/2-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 3 1/2 in., \$7 per 100. Calvert Floral Co., Lake Forest, Ill.

Asparagus plumosus, 6-in., 50c each. The Geo. Wittbold Co., 739 Buckingham Place, Chicago.

Asparagus Plumosus, \$2.50 per 100; \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus and Sprengeri, 3-in., \$5.50 per 100. Goshen Floral Co., Goshen, Ind.

## ASTERS.

Asters, seedlings, Queen of the Market, white and pink, Carlson's white, shell pink and lavender, 25c per 100; \$2 per 1,000. EDW. DORGE COMPANY, 4344 N. Springfield Ave., Chicago, Ill.

Aster plants, Vick's and Semple's branching, Victoria, Carlson's and Comet, seedlings, 50c per 100; trans, \$1 per 100; 2 1/2-in. pots, \$2 per 100. Danville Floral Co., Danville, Ill.

## AZALEAS.

Azalea Mollia, 50c; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

## BAY TREES.

BAY and BOX TREES. Fine assortment. State size wanted. Wagner Park Conservatories, Sidney, O.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay Trees. Bobbink & Atkins, Rutherford, N. J.

## BEDDING PLANTS.

Bedding plants. Abutilon Savitzi; Acalypha macaefans; Achyranthus Emersoni; ageratum, 7 varieties; Begonia Vernon; Cuphea platycentra; Cineraria Maritima candidissima; Cannas, assorted and King Humbert; Coleus, Brillancy and 11 standard varieties; Chrysanthemums, hardy pompos; Fuchsia, Gottingen and Marinka; hardy English ivy; Geraniums, ivy leaved, Mt. of Snow, Mrs. Pollock, Silver leaf Nutt, Sophie Dumaresque; Heliotrope Chieftain and Mme. Bruant; Lemon verbena; moonvine, white and blue; petunias, dbl. fringed mixed; Sage Holts mammoth; Salvia Bonfire and Zurich; Senecio scandens, parlor ivy; Verbenas, 5 vars.; hardy phlox, 10 varieties. For sizes and prices see advertisement elsewhere in this issue. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Bedding stock. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Coleus, alternantheras, red and yellow; heliotrope, scarlet sage, lemon verbena, 2-in., \$2 per 100. Geo. M. Emmanus, Newton, N. J.

Bedding Stock of all kinds. Geo. A. Kuhl, Pekin, Ill.

## BEGONIAS.

Begonias. Lorraine, 2 1/2-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Turnford Hall, Betty Anderson, La Patrie, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

Begonia Glory of Cincinnati, young shoots from base, \$15 per 100; \$140 per 1,000. J. A. Peterson, Cincinnati, O.

Begonias, Gloire de Lorraine and Glory of Cincinnati, \$2 per doz.; \$15 per 100; \$140 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gloire de Lorraine, 2 1/4-in., \$12.50 per 100; \$100 per 1,000. Erie Floral Co., Erie, Pa.

Rex Begonia, assorted, 3-in., \$5 per 100. The Dungee & Conard Co., West Grove, Pa.

## BIGNONIAS.

Bignonia Capensis (Tecoma Capensis) from nursery size for 5 and 6-in. pots, \$10 per 100. J. J. Soar, Little River Nurseries, Little River, Florida.

## BOXWOOD.

Boxwood, pyramidal, 30 ins. high, \$1.50 each; 36 ins., \$2; 42 ins., \$3. Bush box, 12 ins., 30c each; \$25 per 100. Storrs & Harrison Co., Painesville, O.

Boxwood, pyramidal, 4 to 5 ft. fine specimen, \$3.50 each; 3 to 4 ft. fine specimen, \$2.50 each. Cash. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Box trees. For prices and sizes see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

## BULBS.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Horseshoe Brand Lillium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co. New York.

Gladioli, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lilies. E. S. Miller, Wading River, N. Y.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Begonias and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, Surplus of L. Multiflorum, 7-9, Yokohama Nursery Co., 51 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

## CANNAS.

Cannas. Duke of Marlborough, Burbank, \$2 per 100. Coronet, Florence Vaughan, \$1.50 per 100. A. S. Watkins, West Grove, Pa.

The IMPROVED CANNA. 64 varieties, including Mrs. A. E. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, leading kinds. Cedar Hill Gardens, Sea Cliff, L. I., N. Y.

## CARNATIONS.

Carnations Brooklyn. Rooted cuttings, \$12 per 100; \$10 per 1,000; 250 at 1,000 rate, Chas. Weber, Lyabrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Carnations, Mrs. C. W. Ward, White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnation The Herald, \$12 per 100; \$100 per 1,000 Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. F. Dornier & Sons Co., La Fayette, Ind.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

## CHRYSANTHEMUMS

Chrysanthemums, Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

HEADQUARTERS

CHRYSANTHEMUMS, ROOTED CUTTINGS OUT OF SAND AND SOIL.

Table listing various chrysanthemum varieties such as White, Early Snow, Mrs. Buckbee, Gloria, Estelle, Lynwood Hall, etc., with prices per 100.

POMPONS.

Table listing pompon varieties such as White, Baby Margaret, Lulu, Yellow, Quinola, Baby, Pink, Mrs. E. Roberts, etc., with prices per 100.

CUT BACK PLANTS—OUT OF SOIL.

Table listing cut back plant varieties such as White, Early Snow, Buckbee, Lynwood Hall, Touset, Snow Queen, Ivory, Chadwick, Bonnaffon, Yanoma, etc., with prices per 100.

POMPONS—CUT BACK.

Table listing pompon varieties such as White, Baby Margaret, Lulu, Pink, Emille, Mrs. E. Roberts, Ladysmith, Yellow, Baby, Golden Star, Omnicole, Bronze, Mary Richardson, etc., with prices per 100.

WILTOR BROS.,

162 N. Washash Ave., Chicago.

CHRYSANTHEMUMS.

Table listing chrysanthemum varieties such as Crimson, Pockett's Crimson, Intensity, White, Alice Byron, Touset, October Frost, Yellow, Crocus, Golden Glow, Halliday, Maj. Bonnaffon, Pink, Pacific Supreme, etc., with prices per 100.

JOLIET, ILL.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

ROOTED CUTTINGS out of Sand. Out Door Propagation. Ready to ship. Safe arrival guaranteed. WHITE, \$1.50 per 100; \$12.50 per 1,000; Early Chadwick, Kalb, White Cloud, Mille, Deslouis, Florence Pullman, Mrs. Buckbee, Silver Wedding, Lynwood Hall, Queen, Timothy Eaton, Yanoma. YELLOW, \$1.50 per 100; Monrovia, Halliday, Appleton, Golden Wedding. PINK, \$1.50 per 100; \$12.50 per 1,000; W. H. Simpson, J. Rosette. SINGLE SOLETS: Cosmos, Pink; Lady Smith, pink, MEMPHIS FLORAL CO., 145 South Main St., Memphis, Tenn.

CHRYSANTHEMUMS—Rooted Cuttings. 1,500 Touset, 1,500 W. Ivory, 2,000 Mrs. David Syme, 2,500 Yellow Jones, 3,000 Alice Byron, 1,500 Pacific Supreme, 2,500 W. Bonnaffon, 1,500 M. Bonnaffon, 3,000 Rosette, 2,000 Baby (yellow), 2,000 Halliday, and others. Send for list. WILLIAM SWAYNE, Kennett Square, Pa.

Chrysanthemum Cuttings. Yellow: Monrovia, Crema, Halliday, Bonnaffon, Whilldin. White: Oct. Frost, Opah. Pink: Pacific, Pacific Supreme, M. Bailey, \$1.25 per 100; \$12 per 1,000. White: Early Snow, Touset, Clay Frick, Nonin, Bonnaffon, S. Wedding, Dean. Pink: Duckham, Enguehard, \$1.75 per 100; \$15 per 1,000. Cash please. A. S. Watkins, West Grove, Pa.

Chrysanthemums, cuttings, from sand and soil as follows: White: White Bonnaffon, Estelle, Polly Rose, Oct. Frost, Ivory, Silver Wedding. Yellow: Golden Glow, Maj. Bonnaffon, Yellow Eaton, Yellow Ivory. Pink: Glory Pacific, Pacific Supreme, Minnie Bailey, \$1.25 per 100; \$12 per 1,000. D. H. Green, Boonsboro, Md.

CHRYSANTHEMUMS.

Strong plants, 2 1/2-in. pots. Per 100 Per 1,000. 4,000 Virginia Poehlmann \$3.00 \$25.00. 2,500 Golden Glow 3.00 25.00. Chicago Carnation Co., 30 E. Randolph St., Chicago, Ill.

Chrysanthemums. The best for florists' use. For list of varieties see advertisement elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, strictly first-class stock. White, Chadwick, Yellow Chadwick, White Jones and Yellow Jones, R. C., \$2.50; 2 1/2-in. pots, \$3.50 per 100. Otto J. Hembreiker, Lincoln, Ill.

Chrysanthemums, leading kinds. Erie Floral Co., Erie, Pa.

CINERARIAS.

Cinerarias, 2-in., frame-grown, Dwarf Gold Medal Strain, tall and Stellata, 2 1/2-c. J. L. Schiller, Toledo, O.

CLEMATIS.

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Palmetto, O.

Coleus, 10 varieties, 2 1/2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

CYPERUS.

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, leading kinds, \$3.50 per 100; \$30 per 1,000. Divided field-roots, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Dahlias, new and standard varieties. Baasett & Weller, Hammon, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracena indivisa, 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$4 per doz., \$30 per 100. Large plants, 8 and 9-in., \$1, \$1.50 and \$2. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracena indivisa, 5-in., \$3 per doz.; \$25 per 100; 6-in., \$5 per doz., \$30 per 100. Extra large plants, pot grown. Cash with order, please. Leonard Utzinger, 800 Lake View Road, Cleveland, O.

Dracena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Dracena indivisa, 4-in., \$10 per 100; 6-in., \$25 per 100. Calvert Floral Co., Lake Forest, Ill.

Dracena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Boston ferns for 4, 5 and 6-in., 12c, 20c and 25c. 25,000 Boston and Whitmani for 2 and 3-in., \$20 per 1,000. True Winter flowering yellow Marguerites unrooted, \$2; rooted, \$4 per 100. Cash. A. G. Lake, Wellesley Hills, Mass.

FERNS FOR DISHES, 2-in. assorted, \$3 per 100; \$25 per 1,000. Aspidium tussemense, \$3.50 per 100. ROBER & RADKE, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitmani, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. B. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Boston ferns, 8 to 12-in. Erie Floral Co., Erie, Pa.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobhink & Atkins, Rutherford, N. J.

FIGUS.

Ficus elastica (rubber trees) grown to order, one foot high, 4-in. pots, \$20 per 100. J. J. Soar, Little River Nurseries, Little River, Florida.

GERANIUMS.

Geraniums, 10,000 S. A. Nutt, good strong 4-in., in bud and bloom; we are sure this stock will please you at \$8 per 100. Cash with order please. Frank Felke, 828 Ridge Ave., Wilmette, Ill.

GERANIUMS, standard varieties, strong stock, 3-in., \$4 per 100; 2 1/2-in., \$2.50 per 100. Poitevine and Harrison, \$3 per 100. ROBER & RADKE, Maywood, Ill.

GERANIUMS, all varieties. Large plants, \$8 per 100. M. C. Gunterberg, 82-86 E. Randolph St., Chicago, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Nutt, and 5 varieties 3-inch, my selection, \$6 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, R. C. Nutt, Poitevine and Ricard, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Ricard, La Favorite, Sallerol, Strong 4-in., 6c; 3-in., 3c. Truitt's Greenhouses, Chautau, Kans.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 4-in., all colors, \$7 per 100. Calvert Floral Co., Lake Forest, Ill.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 110 W. 25th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 63 W. 28th St., New York.

Southern Wild Smilax. Caldwell The Woodman Co., Evergreen, Ala.

Greens. Henry M. Robinson & Co., 40 W. 20th St., New York.

**HARDY PLANTS.**

Hardy pinks, field clumps, \$2 per 100. Sweet williams, field clumps, \$3 per 100; \$25 per 1,000; small plants, 50c per 100; \$3.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Hardy pblox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

**HOLLYHOCKS.**

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

**HELIOTROPES.**

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

**HYDRANGEAS.**

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

**IVIES.**

English ivies, 3-in. pots, \$4 per 100. Oct. cuttings, fine for planting out for fall stock; extra long vines. Leonard Utzinger, 800 Lake View Road, Cleveland, O.

English ivy, 2 1/2-in., \$3 per 100. The Good & Reese Co., Springfield, O.

**LANTANAS.**

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

**LILY OF THE VALLEY.**

**To Import.**

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the Valley, 2,500 to case, \$35 per case. Jackson & Perkins Co., Wayne Co., New York.

Lily of the Valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

**From Storage.**

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

**MUSHROOM SPAWN.**

Mushroom Spawm. Lambert's Pure Culture. American Spawm Co., St. Paul, Minn.

**NURSERY STOCK.**

Arbor-Vitæ, excellent stock, 24 inches and over; Rosedale, Biota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Pecan, orange, fruit and shade trees, roses, bushes and ornamental shrubbery. Turkey Creek Nursery, Macclenny, Fla.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Pothos aurea, strong cuttings partly rooted, nice color, \$3 per 100. J. J. Soar, Little River Nurseries, Little River, Florida.

North Carolina natural peach pits. J. K. Morrison Grocery and Provision Co., Statesville, N. C.

Nursery stock, Arbor-vitæ Pyramidalis and balsam fir. The Farmers Nursery Co., Troy, O.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, Ilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

**OLEANDERS.**

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**ORCHIDS.**

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandeross Lane, Relgate, England.

Orchids, Cattleya and Laelia Anceps. G. L. Freeman, Weldfleet, Mass.

Orchid pent. The C. W. Brownell Co., Walden, N. Y.

**PANDANUS.**

Pandanus utllis and Veltchil. For prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Pandanus Veltchil, bench grown, 10 inches high, \$10 per 100; 15 inches high, \$15 per 100; 4-in. pots ready for 8-in. pots, \$20 per 100 if sold at once. J. J. Soar, Little River Nurseries, Little River, Florida.

Pandanus utllis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Painesville, O.

**PALMS.**

Cycas stems, dormant, 50 lbs., per lb., 10c; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs. and up, 7 1/2c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Phoenix Rebelemii, 12-in. pots, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Palms. McHutchison & Co., 17 Murray St., New York.

**PANSIES.**

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

**PEONIES.**

Peonies. W. & T. Smith Co., Geneva, N. Y.

**PETUNIAS.**

Petunias, \$3 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

**POINSETTIAS.**

POINSETTIAS OUR SPECIALTY. Headquarters of the West, 2 1/2-in. strong plants, \$5 per 100; \$40 per 1,000; 2 1/2-in. extra strong, \$6 per 100; \$50 per 1,000; 3-in. strong plants, \$7 per 100. All top cuttings. Ready middle of July. Orders booked now. We practice particular packing. ROBER & RADKE, Maywood, Ill.

Poinsettias, 2 1/2-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2 1/2-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

**PRIMULAS.**

Primula, 2-in., frame grown, main specialty for many years, ready June 15. OBCONICA Ronsdorfer and Latham strains, positively best in existence. GRANDIFLORA, 10 colors and GRANDIFLORA FRINGED, 5 colors, 2 1/2c. GIGANTEA, 5 colors, 3c. CHINENSIS GRANDIFLORA FRINGED, 11 colors, 2 1/2c. J. L. SCHILLER, Toledo, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash please. J. W. Miller, Shiremanstown, Pa.

**RESURRECTION PLANTS.**

Resurrection plants, selected stock, \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**RHODODENDRONS.**

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 18-24 in., named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

**ROSES.**

**CHOICE ROSE PLANTS.**

|                            | Per 100. | Per 1,000. |
|----------------------------|----------|------------|
| American Beauty, 2 1/2-in. | \$6.00   | \$50.00    |
| Pink Killarney, 2 1/2-in.  | 4.00     | 35.00      |
| Jardine, 2 1/2-in.         | 3.00     | 25.00      |
| Uncle John, 2 1/2-in.      | 3.00     | 25.00      |
| My Maryland, 2 1/2-in.     | 4.00     | 30.00      |
| Richmond, 3-in.            | 4.00     | 35.00      |

Ready Now. Order Early.

**WIETOR BROS.,**

162 N. Wabash Ave., Chicago.

**ROSES FOR LINING OUT.**

|                                       |                 |
|---------------------------------------|-----------------|
| Orleans                               | \$7.50 per 100  |
| Hiawatha                              | 7.50 per 100    |
| Lady Gay                              | 4.00 per 100    |
| Evangeline                            | 10.00 per 100   |
| Minnehaha                             | 10.00 per 100   |
| Miss Messman of Climbing Baby Rambler | \$7.50 per 100. |

**THE CONARD & JONES CO.,**

West Grove, Pa.

**ROSE PLANTS.**

Extra fine, clean, well-grown and healthy stock. Big bargain at the prices quoted. You cannot afford to miss this. Order now. Per 100 Per 1,000

|                     |        |         |
|---------------------|--------|---------|
| Richmond, 3 1/2-in. | \$6.00 | \$50.00 |
| Richmond, 2 1/2-in. | 4.00   | 35.00   |

**SINNER BROS.,**

82 E. Randolph St., Chicago, Ill.

**ROSE PLANTS—GOOD STOCK.**

Beauties, White Killarney, Pink Killarney, 3-in. pots, \$4 per 100; \$35 per 1,000. Pink and White Killarney, bench plants, \$3.50 per 100; \$30 per 1,000. 1-yr. old Asparagus plumosus plants, from bench, \$3 per 100; \$25 per 1,000. GEO. REINBERG, 162 N. Wabash Ave., Chicago.

Roses, Killarney Queen, and Dbl. White Killarney, grafted, \$30 per 100; 250, \$70; \$250 per 1,000; own roots, \$25 per 100; \$200 per 1,000. Richmond grafted, \$15 per 100; \$120 per 1,000; own root, \$7.50 per 100; \$60 per 1,000. Mrs. Taft, own roots, \$7.50 per 100; \$60 per 1,000. Radiance, own root, \$7.50 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, grafted. Mrs. Aaron Ward, \$12 per 100. White Killarney, \$12; Rhea Reid, \$12. Perles, own roots, \$3.50 per 100; 2 1/2-in. pots, \$30 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, strong, clean stock, Kaiserin Augusta Victoria, Perle, Richmond, White and Pink Killarney, own roots out of 3 1/2-in. pots at \$6 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. Erie Floral Co., Erie, Pa.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, 2 1/2-in. pots. Am. Beauty, \$4 per 100; \$35 per 1,000. Perle, \$3 per 100; \$25 per 1,000. My Maryland, \$5 per 100; \$40 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses, own root and grafted. For varieties and prices see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses. For varieties and prices see advertisement elsewhere in this issue. J. A. Budlong, 82-86 E. Randolph St., Chicago.

Roses, Ramblers, hybrid teas, hybrid perpetuals, dwarf polyanthas. Standards and half standards. Jackson & Perkins Co., Newark, Wayne Co., New York.

Roses, Am. Beauty, 3-in., \$80 per 1,000. Killarney, 3-in., \$55 per 1,000. Safrano, 2-in., \$35 per 1,000. Rose Queen, 3-in., \$120 per 1,000. L. B. Coddington, Murray Hill, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

**SEEDS.**

**SOW NOW** if you want them for early Spring sales.

|                                    | 6 tr.  | Tr.    | Pkts.    | Pkts. |
|------------------------------------|--------|--------|----------|-------|
| Begonia Bedding Queen, finest pink | \$2.50 | \$0.50 |          |       |
| " Gracillis luminosa, finest red   | 2.50   | .50    |          |       |
| " Triumph, finest white            | 2.50   | .50    |          |       |
| O. V. Zangen.                      |        |        | Hoboken, | N. J. |

Seeds, beans, peas, sweet peas, corn, onions, turnip, radish, beet, etc. The Everett B. Clark Seed Co., Milford, Conn.

Asparagus seed, just picked, A. plumoans seed, \$2.50 per 1,000. A. Sprenger seed, \$2.50 per lb.; 50c per 1,000. Cash. Thos. Windram, Cold Spring, Ky.

Seed, Asparagus plumosus, per 100 seeds, 50c; 500 seeds, \$1.50; 1,000 seeds, \$3. Vaughan's Seed Store, Chicago and New York.

Seeds, watermelon and muskmelon. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, sweet peas. Burnett Bros., 72 Cortlandt St., New York.

Seeds, specialties, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, N. J.

Pansy seed. For varieties and prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, beans, peas, radish and all garden seeds, onion sets. Leonard Seed Co., 226-30 W. Kinzie St., Chicago.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

**SMILAX.**

Smilax, strong, 2-in., 2c; per 1,000, \$18. J. L. Schiller, Toledo, O.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2 1/4-in., \$15 per 1,000. W. W. Coles, Kokomo, Ind.

**VEGETABLE PLANTS.**

Late cabbage and tomato plants to close out, \$2 per 1,000. Danville Floral Co., Danville, Ill.

20,000 tomato; 10,000 cauliflower and mango pepper; 10,000 Kale and Kohl rabi plants, \$2 per 1,000; 30c per 100 by mail. Late cabbage, \$1 per 1,000. Cash. Mrs. Edward Hayden, Greenview, Ill.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. Sluis Seed Store, 544 W. 63rd St., Chicago.

Celery plants, Golden Self Blanching, the Kalamazoo Kind, \$1 per 1,000. Cash. The Brill Celery Gardens, Kalamazoo, Mich.

**VERBENAS.**

Verbenas, seedlings, strong plants, 60c per 100; 2 1/4-in., assorted, \$1.50 per 100. Rober & Radke, Maywood, Ill.

**VINCAS.**

Vinea variegata, extra strong, 2 1/4-in., \$2.50 per 100; \$22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinea var., extra strong 4-in., \$3 per 100; 2 1/4-in., \$2.50. Brus Bros., R. D. No. 6, Independence, Mo.

Vincas, big, strong, 3-in., \$5 per 100; \$45 per 1,000. C. Humfeld, Clay Center, Kans.

**YUCCAS.**

Yucca filamentosa (extra strong), \$25 per 100. (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**TO EXCHANGE.**

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**The Meyer Green Silkaine**

The Best Thread on The Market  
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

**John C. Meyer & Co., Lowell, Mass.**  
**THE LOWELL THREAD MILLS.**

**BOILERS.**

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

**BUILDING MATERIAL.**

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hothead sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Greenhouse lumber of all kinds. Lockland Lumber Co., Lockland, O.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts. Chicago.

Building material, greenhouse material and hothead sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hothead sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hothead sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

**CARNATION STAPLES.**

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

**FERTILIZERS.**

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

**GREENHOUSE CONSTRUCTION.**

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Greenhouse Construction, semi-iron greenhouse, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

**GUTTERS.**

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, Sixth and Berk Sts., Philadelphia.

**MISCELLANEOUS.**

Specialists in nursery process printing plates for catalogue covers or inserts. The Christy Engraving Co., 611 Central Bldg., Rochester, N. Y.

Photographs for nurserymen, for catalogue work. C. R. Webster, Rochester, N. Y.

Clara cemetery vases, 12 ins. high, doz., \$2.50; barrel of 3 doz., \$6, f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

Printing catalogues for nurserymen, florists, seedsmen. Gillies Litho. and Printing Co., 42 Stone St., Rochester, N. Y.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Seed packets. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Green Silkaine. John C. Meyer & Co., Lowell, Mass.

Baskets, see advertisement elsewhere in this issue. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Ribbons and chiffons. Wertheimer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

**POTS, PANS, ETC.**

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilend Tile & Pottery Co., Mount Gilend, O.

Florists' red pots. The Petera & Reed Pottery Co., South Zanesville, Ohio.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

**STAKES.**

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

**If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It**

**Heiss Company**  
FLORISTS  
DAYTON, O.

February 27th, 1912.

Mr. William MacLachlan,  
Dist. Mgr. Morehead Mfg. Co.,  
Ft Wayne, Indiana.

Dear Sir:

It is with pleasure that we add a word of praise for the Morehead Trap System which we installed in our plant last fall. We feel that the results obtained fully justify the cost of the system; in fact, we have already saved the cost of the machines in a saving of fuel, in-as-much as we have used no more coal this winter, which has been an extremely long and severe one, than we did last winter which was an unusually mild one.

We have been put to no expense in its upkeep and has given us no trouble whatever. Wishing you all the success that your system deserves, we are,

Yours very truly,

HEISS COMPANY

*Grace M. Heiss*

HMF-GW

**WRITE TO-DAY  
FOR A  
TRIAL  
TRAP**

Be an Eye-Witness to the  
Benefits of the

**Morehead**  
Back to Boiler  
**SYSTEM**

Put a Morehead Trap in your greenhouses on trial. You are placed under no obligations. All we ask is a fair trial. The rest we leave to you.

WRITE TODAY.

**Morehead Manufacturing Company**

DETROIT, MICHIGAN

Stocks Carried in

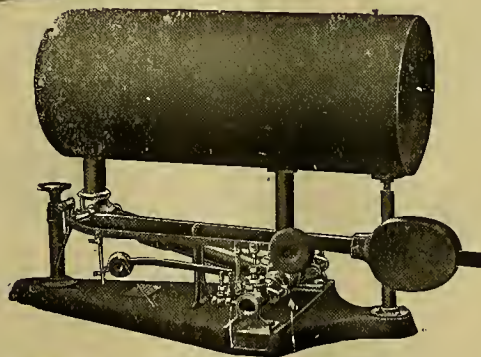
New York  
Chicago

Wichita, Kan.  
New Orleans, La.

Philadelphia  
Birmingham, Ala.

Memphis, Tenn.  
Los Angeles

Chatham, Ont.  
San Francisco



**How do You Handle Steam Condensation?**

Are you saving the heat and turning it back into the boilers?  
Can you take care of condensation without poor steam circulation,  
leaks or repair expenses?

These are questions that are worth a thoughtful answer—they decide between heating economy or heating waste, good or poor stock, success or failure.

Everybody is Using

**Aphine**  
*The Insecticide that  
 kills plant Lice  
 of every species.*

Dawson, Y. T., Can., April 29, 1912.  
 "Enclosed find money order, for which please send me by express three gallons of Aphine. . . . The last shipment has proved exceedingly satisfactory." W. HORKAN.

**FUNGINE**

Livingston, Mont., May 18, 1912.  
 "I have been trying Fungine on lettuce for what is termed grey mold, and it seems to do the work. The trial has been brief, but sufficient to convince me that it is all right for this purpose. Please, let me know the nearest supply point to me."

EDGAR PHINNEY.

FOR SALE BY SEEDSMEN

Manufactured by  
**Aphine Manufacturing Company**  
 MADISON N. J.

Why Not You?

Black flies and green flies are easy to kill with

**"TIP TOP" BRAND  
 TOBACCO POWDER**

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag  
 Money with order

Satisfaction guaranteed or money back

**Interstate Tobacco Co.**  
 713 1st. Ave., New York

Mention the American Florist when writing

He is Prune Tree No Longer.

Nathan Zwetschkenbaum of 85 Lewis street, Manhattan, obtained the right from Judge La Fetra in the City Court to change his surname to Baum. He is of Austrian extraction, and the name in his native tongue means "prune tree."

Many of his acquaintances have used the name in ridicule, much to Mr. Zwetschkenbaum's annoyance, and he therefore filed petition to have his name changed to Baum. He expects that the simpler name will also help him in business, since Zwetschkenbaum is difficult to pronounce.

The Cards Were Transposed.

A young man stepped into a flower store in one of the large cities during the warm days of last summer to order a floral tribute to be sent to the funeral of a friend. At the same time he ordered a box of roses to be sent to a lady friend.

He left two cards, for the first one bearing the word "Sympathy," and for the other, "To aid you in withstanding the terrible heat."

He received an acknowledgement from the young lady, but with the inquiry of why the card of sympathy was sent. From the other he heard nothing.

**WIZARD  
 BRAND**

TRADE MARK

PULVERIZED SHEEP - PULVERIZED CATTLE  
 SHREDDED CATTLE

**MANURE**

Is UNEQUALLED for  
**GREENHOUSE MANURING**

The enormous demand from leading growers throughout the country is best proof of this.

Superior stock can only be grown by the application of superior methods.

Wizard Brand is superior to rough stable manures because it is uniform, highly concentrated and specially treated to destroy weed seeds, fungus germs and bacteria which many times make heavy losses.

THE BEST MANURE  
 IS THE CHEAPEST MANURE

It saves labor, is convenient and decidedly most effective.

Insist on Wizard Brand when you buy. Your supply house can furnish it, or we ship promptly on direct orders.

Ask for New Growers' Booklet.

THE PULVERIZED MANURE CO.,  
 32 Union Stock Yards, CHICAGO, ILL.

D. D. Johnson's Celebrated

**EVERGREEN BRAND FLOWER AND LAWN FERTILIZER**

Unrivalled For All Floricultural and Horticultural Purposes

**GENUINE PLANT FOOD**

For Sale by Leading Dealers and Jobbers Everywhere

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 All rights reserved by

**United Fertilizer Company**  
 Manufacturers

143 North Wabash Avenue

Chicago, Ill.

Mention the American Florist when writing

Courteous and Cautious.

Mr. MacTavish attended a christening where the hospitality of the host knew no bounds except the several capacities of the guests. In the midst of the celebration Mr. MacTavish rose up and made the rounds of the company, bidding each a profound farewell.

"But, Sandy, mon," objected the host; "ye're not goin' yet with the evenin' just started?"

"Nay," said the prudent MacTavish; "I'm no' goin' yet. But I'm tellin' ye good night while I know ye."—Saturday Evening Post.

*green flies and  
 black ones too*

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The Fumigating Kind Tobacco Powder

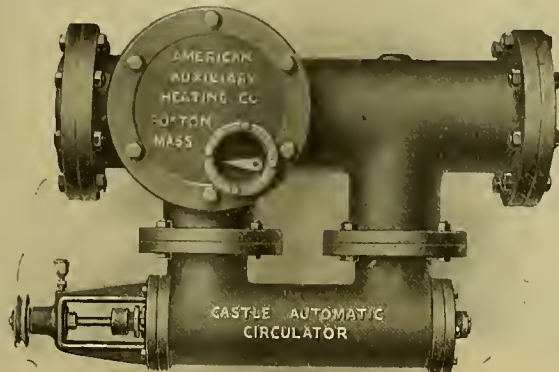
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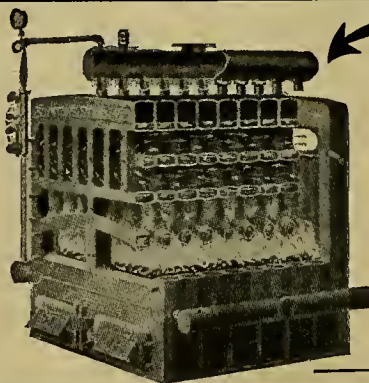
### Nashville.

#### BUSINESS CONTINUES GOOD.

Trade continues good in spite of the fact that summer heat is upon us. Funeral work has been excellent. One funeral alone—that of Overton Lea, a very prominent and wealthy citizen—gave big business to all the florists, and every one was busy. Other funerals, and not a few good weddings, have kept trade going very satisfactorily. The stock as a rule is very good. There is an abundance of sweet peas of the very best quality and color. They may be cut by the thousand. Roses are pretty good and there are still plenty of Bermuda lilies. Hydrangeas, which have been very fine, are now on the wane and will soon be no more. Gloxinias and tuberous begonias have supplied the demand for pot plants and have sold well. Everything about the floral shops begins to take on a summer-time appearance, and the windows, when made attractive, soon lose their freshness in the hot summer sun. The Japanese lilies are coming in now. In a little while they will be the main dependence for decorative floral work. Asters will soon be on and will take the place of carnations for the summer trade. M. C. D.

MACKINAC ISLAND, MICH.—Miss Chambers has just opened a retail flower store here.

ESCANABA, MICH.—C. A. Peterson reports a big spring trade in plants. He is just getting over an operation for appendicitis.



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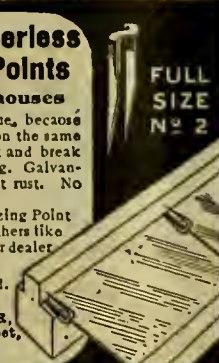
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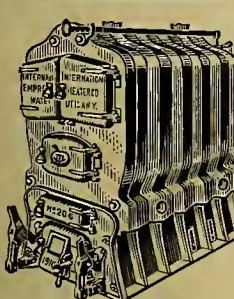
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Send prices quoted and we send the books.

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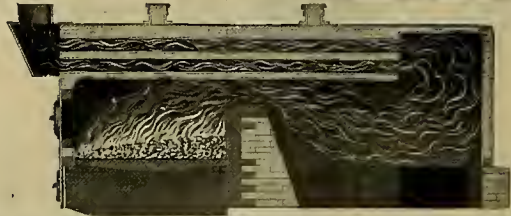
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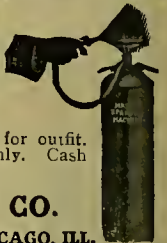
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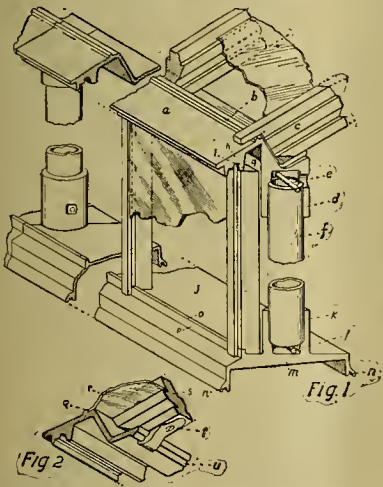
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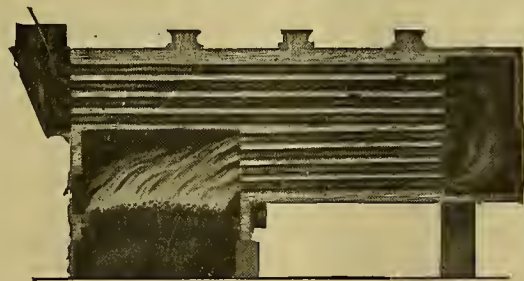
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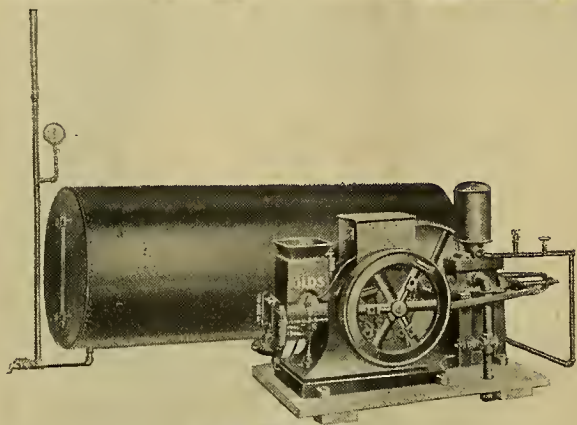
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Vol. XXXVIII.

CHICAGO AND NEW YORK, JUNE 29, 1912.

No. 1256

## THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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Next annual meeting and exhibition, June, 1913.  
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SAUNDERS, Clinton, N. Y., Secretary.

## AMERICAN PEONY SOCIETY

Annual Meeting and Exhibition, Ithaca, N. Y., June 19-20.

### The Exhibition.

The tenth annual meeting of the American Peony Society was held in the Agricultural Building of the New York State College of Agriculture, Cornell University, June 19 and 20. The weather at Ithaca has been unusually cool this season and the peonies in the trial grounds were in excellent condition. The ideal weather enabled a large number of the members in attendance to spend most of their time in the field, studying the varieties that have been described by the nomenclature committee of the society. It was the general opinion that the committee had performed a service of inestimable value to peony growers everywhere. The condition of the plants was a surprise to most growers, for peonies in most localities are now out of bloom. The exhibition of cut flowers comprised the largest number of varieties ever shown at any exhibition of the society. A complete collection of all the varieties in bloom on the Cornell grounds was exhibited. The educational value of this exhibit of 383 varieties was enhanced by having each vase labelled by cards giving the name and a printed description of the variety.

Professor A. P. Saunders staged a splendid exhibit of 100 vases. The flowers showed the result of high cultural skill. Among the new varieties were Beaute de France, blush pink; Coronation, very large light pink; Fujimire, Japanese type, white ground and sulphur center; Glory, Japanese tyrian rose; Professor Budd, large lilac pink; Volcan, dark red; Adolphe Rousseau and Edouard Andre, dark red. This collection easily secured first prize. Mrs. Kellogg, New York Mills, N. Y., exhibited a collection of excellent blooms for which second prize was awarded. In this collection were Madame Galle, Jenny Lind, Triomphe de L'Exposition de Lille, Felix Crousse and Adolphe Rousseau. Among the exhibits not for competition the most notable collection was that of T. A. Havemyer (Mr. Lahody, gardener), Glenhead, L. I. This contained a number of the more recent varieties from Kelway and other growers. Among

the varieties were noted Solange, Meteor Flight, Magnificence, Flamboyant, Queen of Spain, Sir Edmund Barton, Beauty Mark, Loveliness, Conqueror and Lucy E. Hollis.

Letters were read from all firms contributing plants for the trial grounds turning over all the plants to the society for disposal. It was voted to sell the plants and use the proceeds in the publication of a book or manual which would complete the peony studies. Messrs. Farr, Harris, Saunders, Brown and Craig were appointed a committee to prepare and, with the consent of the officers of the society, to publish the peony book. Several bids were considered and accepted for the collections of peonies growing upon the Cornell trial grounds. Such collections as remain will be listed and advertised for sale. This will complete the work originally undertaken and according to agreement then entered into by the society and Cornell University, a type collection will be permanently maintained at Cornell University. These are divisions of the identical plant used in preparing the description of each variety and thus they constitute a standard. A publicity committee, consisting of C. S. Harrison, J. H. Humphreys and E. A. Reeves was appointed to prepare cultural information for publication by the press. Mr. M. F. Pierson, Stanley, N. Y., exhibited good blooms of a number of the standard varieties. Two seedlings were exhibited by Professor A. P. Saunders, viz.: Jean Bancroft and Edith Grant. Both are white varieties of merit and well deserved the certificate awarded them.

The business meeting of the society was held in the Horticultural Lecture Room, June 19. The meeting was called to order at 3 p. m., President Farr being in the chair. The minutes of the last meeting were read by Secretary Saunders, after which the president delivered his address in which he reviewed the work accomplished by the society during its ten years of existence. He was very optimistic regarding the future of the organization. The secretary's report was then read and showed a membership of sixty-six with fourteen candidates for election to

membership. The secretary reported an increasing interest in the work of the society and in its publications. The treasurer's report was read showing the society to be in good financial condition. The election of officers resulted as follows: President, B. H. Farr, Reading, Pa.; vice-president, E. B. George, Painesville, O.; secretary, A. P. Saunders, Clinton, N. Y.; treasurer, J. H. Humphreys, Germantown, Pa.; director, S. G. Harris, Tarrytown, N. Y. Resolutions were adopted thanking the authorities for their co-operation in carrying out the peony studies, to Professor Beal for his work in making the meeting a success, and also one of

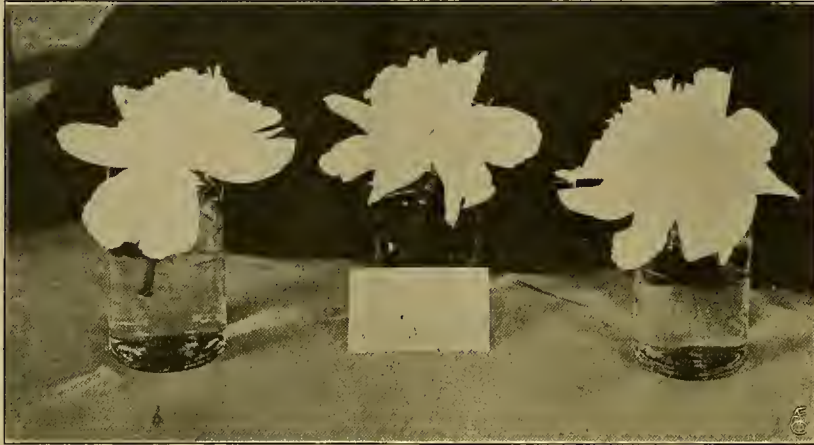
and the specimen plant in the permanent planting of identified varieties from which these blooms were taken.

These living witnesses, however, of the results accomplished can only appear to the few who are able to visit Cornell. Of much greater importance as evidence of results accomplished by this society, forming an imperishable and far reaching record of its work, are the bulletins that have been issued from time to time, with their description in minute detail of the hundreds of varieties covering almost a complete list of the variety of peonies to be found in commerce today. The ready and general acceptance of the descrip-

tion work know that it has been carried on jointly by the American Peony Society and the Horticultural Department of Cornell University, the society supplying the thousands of plants used, and assisting in the work of identification, while the care of the plants, the field work, the gathering together of all the literature referring to peonies, the indexing, classification and the publication of the bulletins have all been assumed by the University. The members of the American Peony Society fully appreciate the fact that without the invaluable co-operation of Cornell and the members of its staff, Professors Craig, Coit, and Batcheler, who have worked so ably and diligently in our cause, a successful outcome would have been impossible, and in our gratification at our success we will not fail to give them the full measure of credit that is their due.

The large planting of peonies originally contributed towards carrying on these tests, having served its purpose, the time has now arrived when definite steps must be taken to bring the first series of experiments to a close and dispose of the surplus plants in accordance with the original agreement and the society must map out its future course and decide its plan of action as regards the work next in hand; and it is for this purpose we have met here today. In my opinion our next and most important work should be the gathering together of all the material contained in the several preliminary bulletins which have been published, with such revisions and corrections as is necessary to form a complete book of the peony which shall be the official peony catalogue or manual of the society. This work should be so carefully compiled as to become the standard book of reference on the peony, a book which would doubtless be in demand to such an extent that its sale would eventually cover the cost of its publication.

The publication of the peony book and its control should be assumed by the society and as a step towards covering the cost of its publication it was suggested at the last meeting of the society in Philadelphia that at the completion of the work of identification of the peonies sent to the test plot at Cornell the surplus plants remaining after those for the permanent collection had been removed should be sold and the proceeds be used toward the publication of an official peony manual by the society. With this end in view



ANNUAL EXHIBITION AMERICAN PEONY SOCIETY, ITAHC A, N. Y., JUNE 19-20.

New Seedling Peony Exhibited by Prof. A. P. Saunders.

sympathy to Professor Whetzel in the loss of his wife.

Among those present were: B. H. Farr, Reading, Pa.; Prof. A. P. Saunders, Clinton, N. Y.; S. G. Harris, Tarrytown, N. Y.; E. A. Reeves, Cleveland, O.; C. J. Maloy, Rochester, N. Y.; R. T. Brown, Queens, N. Y.; E. B. George, Painesville, O.; O. H. Dickinson, Springfield, Mass.; Dr. Knapp, Evansville, Ind.; W. A. Rieman, Vincennes, Ind.; Geo. H. Peterson, Fairlawn, N. Y.; J. J. Styer, Concordville, Pa.; Mrs. J. J. Styer, Concordville, Pa.; W. J. Engle, Dayton, O.; G. A. Bryant, Princeton, Ill.; C. A. Baird, Rochester, N. Y.; F. E. Cunningham, Rochester, N. Y.; John Connon, Hamilton, Ont.; Captain H. Catley, Syracuse, N. Y.; David Swayne, West Chester, Pa.; F. W. Card, Sylvania, Pa.

B.

#### President Farr's Address.

A full decade has passed since this society was organized and for the third time we are assembled here at Cornell to consider the progress of the work we set out to accomplish ten years ago. Looking back we see that our membership roll of the earlier years contains but few names that are not with us at the present time, showing that the membership of this society, though small, has been steadfast and loyal in their support during these years that have passed. It is with more than usual gratification therefore that I welcome those of you who are able to be present at this meeting, and to those who are absent I can send good reports, for we are here to take an accounting of results, the visible evidence of which is here shown by the exhibit of blooms of authentic varieties shown here in the exhibition hall

tions in these bulletins as a standard and the comparatively few errors that have been pointed out by those who have had an opportunity to examine them critically since they have been issued is the best proof of the care that has been exercised in compiling them.

I need not at this time go into the details of classification of the various types of blooms, the application of the color chart and other methods of describing varieties that have been adopted for you, neither is it necessary for me to repeat at length a history of the various steps which have marked the progress of this work here at Cornell. The members of the society and those who have been interested in



ANNUAL EXHIBITION AMERICAN PEONY SOCIETY, ITHACA, N. Y., JUNE 19-20.

Seedling Peony, Edith Grant, Exhibited by Prof. A. P. Saunders.



ANNUAL EXHIBITION AMERICAN PEONY SOCIETY, ITHACA, N. Y., JUNE 19-20, 1912.

Exhibition at Cornell University — Collection of T. A. Havemeyer in the Foreground.

a committee, consisting of Mr. R. T. Brown and myself, was appointed to go to Cornell and take an inventory of the plants remaining. This committee visited Cornell last June and compiled a list of the varieties showing the number of plants of each variety and the field numbers where they may be found. Negotiations have already been entered into looking toward a sale of these plants and it is probable that a definite action will be taken at this meeting.

In the future the society should use every effort to bring the merits of the peony to the attention of the general public who have yet but a slight knowledge of the many beautiful varieties that exist—their conception of the peony still being based on the few common varieties sold in the cut flower markets or those ordinarily seen on lawns. Whenever people of taste and means have an opportunity to see a fine collection of peonies for the first time they are carried away with admiration for them and they do not hesitate to purchase the most expensive varieties, and once started they soon become numbered among the peony enthusiasts, but as yet only a comparatively few really know the peony and for this reason our exhibitions in the future should be held at points where the largest number of people possible can have an opportunity to view them. As much publicity as possible should be given to these exhibitions and every effort made to attract the public to them. Growers and others interested should consider it their duty to participate in these exhibitions even though held at a con-



B. H. Farr.

President American Peony Society.

siderable distance and in spite of the labor involved; which is always considerable where a creditable display is made.

The amateur membership of our society should be largely increased and they should be given every encouragement possible in our future exhibitions, for it is the enthusiasm of the amateur

that is going to keep alive the interest in the peony and it is from his garden that we can look for the finest exhibition blooms, because he can give his plants space, nourishment and care that is impossible for the grower who must sell his roots and therefore be constantly dividing them before they reach their highest development. Recently some of the big seed houses in the largest cities have made a feature of having a large peony show during the season, sending out a large number of invitations in addition to advertising this display, with the result that thousands of visitors have been attracted and sales of roots have been greatly increased, both the public and seedsmen having an opportunity of viewing varieties for the first time that have been a revelation to them. Another method of bringing the peony to the attention of the public would be to establish large collections of plants of the best varieties in public parks in the larger cities where they could be under the care and protection of the authorities and be visited by the masses of people.

Now that the work of identification has progressed so far, the work of elimination may be taken in hand and the continued propagation of inferior varieties discouraged, as well as the introduction of new varieties that are not up to the highest standard. The society should, however, encourage exhibits of new seedlings of merit by American growers, and its standard should be such that its certificate of approval should be well worth seeking by the raiser of any new seedling that he wishes to introduce to the trade.

## THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

### Ohio Wedding Decorations.

From Canton, Ohio, comes the report of one of the most novel and artistic floral displays ever seen in that city. The Brown Floral Co. completely changed the aspect of St. John's church, from a church into a veritable fairyland, for the wedding of Miss Jessie L. Rider to Chas. Laurenson, of Cleveland. The color scheme carried out was pink and white on a background of green, and rose pink peonies, white lilies, Killarney roses, pink and white sweet peas intermingled with smilax and ferns hid the walls and ceiling of the central altar, while the same sort of decorations were used at the bride's home in conjunction with the reception held there.

### The Bridal Breakfast Table.

The bridal breakfast table can be beautifully and artistically arranged by taking two shades of rich red tulle or chiffon laid on the table from corner to corner, tying the ends of the scarf at each corner in a bow. In the center of this, place a cluster of lily of the valley. For the center piece make a large flat basket of red poppies in pyramid shape, using a wide ruche of maiden hair ferns as a finish. Make shades for the candelabra of lily of the valley and arrange the base of each with a circle of red poppies. Or, in place of the candelabra use small low handle baskets filled with lily of the valley. If poppies are not available use red carnations or red roses. Pink roses used in this manner and making the chiffon or tulle of green and using mignonette for the corner bows will be effective, especially if the pink moss rose is substituted and the moss green chiffon is used for sash on table. Clus-

ter moss roses in the corner bows. This will also look well with cornflowers, using the light and dark blue flowers in cluster circles and having the chiffon of the paler shade of blue, with clusters of the dark blue cornflowers in the corner bows. For favors use the small white porcelain tubs filled with cornflowers. Or, if entire blue is not desired, use field daisies in combination, making a small pyramid of them in the center and clustering the cornflowers round them. Delft shoes can be filled with daisies and tied with delft ribbon rosettes; or, the tiny sprinklingpot filled with cornflowers is pretty.

A. E. KLUNDER.

### June Floral Arrangements in England.

There is now an abundant supply of flowers for indoor decoration. Any hardy flower garden worthy of the name should provide all that is necessary for room decoration in the late spring and early summer, and only where a change in the character of the decoration is desired should it be necessary to draw upon the resources of the glass houses. Owing to the early season many subjects that are usually at their best in late May are already over. May-flowering tulips have rendered signal service during the last few weeks, according to a writer in *Gardening Illustrated*, and the more one sees of these beautiful flowers the keener is one's appreciation of their value for cutting. When grouped in masses of one color or of one variety in the outdoor garden, these May-flowering tulips are especially noteworthy. In the midlands and the north there is little doubt that it will be possible to utilize these flowers for some little time yet. For bold and handsome displays these late-flowering tulips are unequalled at this season. Bows and large trumpet vases are well adapted for displaying them to advantage. To shorten back the stems seems nothing

short of sacrilege. I have so frequently seen this shortening of the flower stems carried out that I have never hesitated to condemn the practice and would urge all who wish to make the most of their flowers, to refrain from following such an undesirable practice. Hand-baskets filled with a vessel containing water, or water and moss, may be utilized to display these tulips effectively. Crowding of the blooms must be avoided if artistic floral pictures are to be created. Each flower should speak for itself. As the stems vary in length it is a good plan when making a simple decoration to arrange as many blooms as it is proposed to place in a vase, etc., in one hand, keeping the end of the stems together, and then carefully placing them as a whole in the receptacle. So soon as the hand releases its grasp of the stems the flowers invariably settle down in position quite naturally, and owing to the varying length of stem the flowers are naturally adjusted. More elaborate methods may, of course, be adopted, such as placing each individual flower in its proper place, but there is then always a tendency to get a somewhat formal and extremely orthodox arrangement. I have seen arrangements that suggest they have been turned out of a mould, and they are then anything but pleasing. Numerous little specimen glasses, tubes and earthenware bowls are to be found in most homes, and these are well suited to dispose one, two, or three blooms effectively, but do not unduly shorten the flower-stems. In the case of the early-flowering Dutch tulips, I use their own foliage, but in the case of the May-flowering species this is hardly to be expected. Any hardy foliage, from the hedgerow or elsewhere is utilized, and when this is not available recourse has to be made to asparagus, ferns and foliage of a tender kind. Readers who cannot grow their own flowers can get ample supplies from most local florists. I have never seen so many flowers in the florists' win-



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Peony Field at Cornell University.



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Members of the Society in the Cornell Peony Field.

dows as there have been during this spring, and their cost has been so low that persons with the most slender purse could not complain.

What is more delightful than a good bunch of wallflowers? These flowers have been, and are still, very beautiful, and one can cut and come again with a bed of good proportions. They must not be left in the water too long without being replenished, however, otherwise they get very unpleasant. Frequent renewal of the water and a fresh gathering of flowers every two or three days are most important. The blood-red and yellow flowers should be about equally balanced for the best effects.

Iris of all kinds are now very fine. Their soft and pleasing tones of color are especially refreshing, and vases well placed in dwelling-rooms are much appreciated. Irises should be gathered with a good length of flower-stalk, and if a few pieces of their own foliage can be acquired so much the better. Although large receptacles display these irises very effectively, I prefer to arrange just a few blooms of one color in some of the smaller receptacles, of which there are so many to choose from nowadays. Rather narrow, deep, earthenware vases, not by any means large, answer the purpose very well, and bronze ware is ideal. For some time past small and moderate-sized vessels have been used for displaying chaste sprays of blossoms of the double-flowered rock cress. Being of such simple culture, and yielding such a profuse display, apart from its value in the open air, this double rock cress must be regarded as especially useful just now. Forced roses and perpetual-flowering carnations also abound, and these flowers need to be used more sparingly in consequence of their cost. Length of stem here plays an important part in a successful decoration, and the grouping of colors should be observed, unless the decoration be confined to one color or one variety only.

OAKDALE, N. Y.—Seymour Burr is building a new greenhouse.

## THE CARNATION.

### Plants Need Regular Attention.

The plants in the field are now at the stage of rapid, vigorous growth, the growing shoots lengthening out in a very little while, making the work of topping them back a very important feature at the present time. So much of the future success of the plants depends on how carefully and regularly this important work is carried on that I would urge a close attention to it right along. The stock that was propagated early with the intention of planting early for early bloom will particularly need close attention to have the plants in the best of shape for planting in the houses the latter part of July or early in August. From now on it will be necessary to go over the plants every week and with some varieties more often, topping back such shoots as need it, following it up regularly so as to insure even, sturdy plants. Varieties differ so much in the character of their growth that some will stand closer and later pinching back than others. The varieties with a long, thin, grassy growth will stand more severe pinching than those of wider and shorter growth. Take as an example the varieties Beacon and Victory. The first named will stand for close pinching, but Victory will curl and thicken up in its growth if too severely topped.

Another very important part of the general routine of the work is to keep the cultivator continually going. After a rain start cultivating as soon as you can get on the land and keep it up regularly while dry enough to operate the machine. In cases where the plants are set in beds that will not allow for working a cultivator, the surface

soil should be kept open by frequent hoeings. If you allow the weeds to overgrow the plants you cannot expect fine, sturdy plants for planting.

Many growers do not plant out in the field at all but follow the indoor all summer culture, and are now planting the plants in their permanent quarters. To those who intend following out this method it is now time for the plants to be in the benches, and the work of getting them planted should be hurried along to give the plants a chance to give favorable account of themselves under this style of culture. To make ready for planting these indoor grown plants, it seems hardly necessary to advise a thorough repairing and cleaning up of the houses and washing out and lime washing the inside of the benches, yet this is just as important as it ever was.

After the repairing and cleaning up is done the next thing is the question of soil; and to solve this, consideration should be taken of the fact that freshly planted stock under glass at this season will make a very rapid growth, and a soil that is overcharged with fresh manure is very likely to cause a soft, long-jointed growth, which is one of the important things that ought to be guarded against. A live, moderately fine, and not too stiff soil is the best suited to them. Before bringing it in, spread a thin layer of well rotted manure on the bottom of the bench to prevent the soil running through the cracks and to act as a nourishment for the plants later in the season. Then fill in the soil to the top of the bench firming it down so as to be about five inches deep. Ten inches apart each way is ample room for indoor grown plants, as they do not make as heavy or as much grass as the field grown plants. One very important item to look out for is to make sure that the surface of the

bed is even, so that there is not any chance of the water flowing to one place more than another and some of the plants getting too wet. Directly after planting and until the plants have a firm hold in the soil, watering should be given the plants only and not the whole bench, so that the soil will remain fresh and sweet for the roots to work in.

During very hot weather the plants should be syringed two or three times a day to cool the atmosphere and keep down red spider; but do not allow the syringing to be heavy enough to act as a watering, as the soil is very likely to get too wet in a very short while. If a heavy shade has been put on the glass for filling in the soil and planting, do not let it remain on longer than five or six days. The plants need only a very light shade to break the direct rays of the sun. Pinching back the growths is also as essential for these as for the plants in the field, and the success of the undertaking greatly depends on paying strict attention to this work. Very shortly after planting the weeds will begin to show up but they must be cleaned out as soon as large enough to handle properly. When the beds are clean continued scratching of the soil should be followed up to keep it open and sweet.

C. W. JOHNSON.

#### Piping Greenhouse.

ED. AMERICAN FLORIST:—

I wish to pipe two houses for hot water and would like to use 4-inch second-hand boiler tubes. The houses are 25x100 feet inside and 20x100 feet inside, cement walls to eave plate, houses connected and running north and south, south end gable glass, no glass in side walls, potting shed and boiler pit on north end, 25-foot house to be sixty degrees, night, with outside temperature at twenty degrees below zero and 20-foot house to be fifty degrees, outside temperature twenty degrees below. I have a second-hand marine boiler and cannot get top of boiler below benches. Would it be practicable to put all piping under the benches or would it be possible to connect boiler tubes satisfactorily for overhead flows and how many pipes would I need in each house? T. J. F.

Michigan.

Replying to "T. J. F.," we would say that while better results could be obtained if the top of the boiler would be as low as the greenhouse floor, it would be possible to secure fairly satisfactory results by placing one of the four-inch pipes as a flow on each of the wall plates in each of the houses. For the returns use five lines of pipe on each side in the 25-foot house to secure sixty degrees, and four lines on each side of the 20-foot house to secure a temperature of fifty degrees. If preferred, a part of the return pipes could be under the other benches in both of the houses. Care should be taken to keep all of the pipes as high as possible. The flow pipes should be given a very slight fall and a drop of one inch in ten or fifteen feet will be ample for the returns. L. R. TAFT.

NEWPORT, R. I.—The horticultural society held its annual rose and strawberry show June 25 and 26 at the Masonic Hall. Special prizes were offered for school gardens by Mrs. Lorillard Spencer, Mrs. Goelet and Mrs. Frances Roche.

## THE ROSE.

### Roses in the Mississippi Valley.

Paper read by Charles W. Fullgraf before the American Rose Society at Detroit, Mich., January 11, 1912.

In answer to a request by your society to Mr. Otto Koenig, St. Louis, for a brief article on "Roses in the Mississippi Valley," I beg to submit the following paper. It is rather a collection of notes from the representative rose growers in the vicinity and my own ideas, especially in regard to forcing, as I am interested entirely in outdoor work. Presuming that the majority of those present are practical growers, I am only touching lightly on general culture of greenhouse roses, confining myself generally to the varieties, insect pests and plant diseases and the type of houses used in this section. In dividing the subject into forcing roses for cut flowers and outdoor roses, chiefly for home use, I will take up the forcing first.

#### GREENHOUSE ROSES.

The culture of roses for cut flowers is not carried on very extensively in the immediate vicinity of St. Louis, the majority being shipped mostly from Illinois and Indiana; this is caused by the cost of fuel and also the soil of these states, it being much richer than west of the Mississippi River, which is mostly hard, yellow clay. There are, however, a few growers who are raising very good stock in our vicinity. In sizing up the situation I believe that one of the most important factors is the selection of proper location and the erection of suitable houses. An ideal location is on the south hillside, which is protected on the north and west by buildings or a heavy growth of timber.

unanimous in their selection of wide, high houses, ranging from 25 to 50 feet wide, the majority favoring houses 35 to 40 feet wide with sides seven to nine feet high, respectively, half of which should be glass which is used as ventilation. There are a few large detached houses built in this section, but the ridge and furrow type are more common as they are cheaper to construct and I think give practically the same results. But the two-thirds and three-quarters span houses with the long side to the south are considered more desirable as they give more light when it is needed most. These houses require slight shade during the hotter portions of the year. The high houses give a much better circulation of air and a more uniform temperature can be maintained.

The heating of these large houses should be done by steam, as it is more flexible than hot water and requires less piping; the principal objection to steam being that it requires constant attendance, but as it is necessary to have a man to look after the heating plant of places of this size at all times, that objection is removed. Both low pressure and high pressure at boiler, with reduction valves and steam traps are used, the latter proving more economical as a cheaper grade of fuel can be used. The interior arrangement and soil, etc., are too generally known to be discussed at this time, but one advantage of bridge and furrow type houses is a walk beneath the gutter, as that space is practically valueless for rose growing. The majority of growers use raised benches about three feet from the ground, that height being most convenient for work on the benches.



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Members of Society Holding Animated Discussion Among Nursery Collections.

If this cannot be obtained any piece of ground that has an unobstructed southern exposure is acceptable. Where there is no protection from the north and west of course the fuel consumption will be greater. The construction of the houses is, in the opinion of many growers, a most important factor; the principal thing is to obtain all the light possible during the winter months when the crop is most valuable and the growers of this vicinity are

In the selection of varieties, the following are considered by all the growers whom I have consulted as being the most satisfactory: Killarney, White Killarney, Richmond, Maryland, Mrs. A. Ward, American Beauty and a few Ivory and Perles des Jardins. Of these varieties, the first five named are grown very extensively and give good results for three to four years, but it is much better to plant the Beauties and Perles every year. The





SECOND ANNUAL ROSE SHOW AT TACOMA, WASH.

Scene in Armory While Show Was in Progress.

young plants should be benched as soon after May 1 as possible, but where re-planting old plants they can be moved as late as August 1 with comparative safety. American Beauty plants are used by some growers after they are taken from the benches for pot plants for the following spring. They are planted out in the field, to be potted up and placed in cold frames in the fall, brought out and forced as needed during the winter and spring. They make very good pot plants and demand a good price.

The insects and diseases which have proved the most trouble are the thrip, mildew, black spot, rose leaf roller, and green fly. Of these thrip seems to have caused the most trouble and is generally combated with nicotine in different forms, and one grower is getting results from the use of Paris green and brown sugar, used as a spray. Sulphur painted on the pipes is the chief method of treating mildew, while hand-picking is the best way of checking the black spot. Green fly is easily controlled by fumigating with nicotine preparations, and the leaf roller by the use of arsenic poisons. Hydrocyanic gas has not as yet been thoroughly tested but I believe where the house is air-tight it will come into use in the future, but where houses have many air-holes, the gas is wasted and will not give good results.

#### OUTDOOR ROSES.

The growing of outdoor roses is divided into two classes, one for cut flowers commercially and the other for home use. The cultivation is practically the same in both cases, except where there are only a few roses grown greater care in the preparation of the beds can be had than when growing in fields in large numbers.

The varieties which are used for commercial purposes are naturally very good for garden and home use, but

there are a large number of additional varieties which prove very satisfactory in the garden which are not valuable for the growing of cut flowers. In growing roses in the open, the first thing to be considered is the location, as they must have the most light and sun possible, and, if possible, be protected on the north and west from the winter winds. It is the best to plant them on the south side of a hedge, building or other windbreak. The land should be high and well drained, as the roses will not thrive in cold, wet soil. If the soil is inclined at all to be soggy, it is best to put in artificial drainage immediately, as it will be far less expensive, and save the loss of at least one year's time, than to wait and see if the plants will grow. In case plants do not thrive the first year, it is well to immediately look into the conditions as it is useless to continue under the same conditions.

In preparing the ground for a rose bed, the soil should be removed to about two feet in depth and if the sub-soil is clay, clay should be entirely removed and the drainage, if necessary, put in at that time. It can consist of broken brick, rock or other similar materials, or 4-inch clay tile with cinders which have weathered for a year or two and should have an outlet to a drain or lower ground level. The soil for filling the bed should be made up of about 75 per cent of good clay loam, five per cent of bone meal and 20 per cent of well rooted manure. This should be filled in to within six inches of the top and packed firm, and the remainder of the bed filled with good loam, leaving out the fertilizers as it is desired to have the plants make as deep a root growth as possible. Where the loam is very heavy, it is well to lighten it with sand or humus for the planting of the ever-blooming roses, especially the hybrid teas, but

the hybrid perpetuals seem to prefer the heavy soil.

As the roses in this locality should be planted as early in the spring as possible it is best to prepare the bed the preceding fall, mounding it up to allow for settling of the loose soil, and moving the surplus in the spring. Hybrid perpetuals should be planted about two feet apart but ever-blooming roses can be planted 18 inches apart without crowding, but if space permits, I prefer to have both kinds a little farther apart. When planting, the earth should be thoroughly packed around the roots, and the entire bed soaked with water. This applies to roses in the dormant state but in planting roses of the ever-green type, I much prefer plants which have been made from the cuttings the preceding August and kept growing during the winter and planted after the danger of severe frost. These plants should, if properly grown, be in 3-inch pots and given a large amount of loam the first year, and will become thoroughly established with very little trouble. The plants should be kept cultivated until about the first of June when they should be mulched with about two inches of rotted horse manure or leaves to retain the moisture during the hot months of the summer. The watering of roses during the summer is quite important and should not be done until absolutely necessary and then given a thorough soaking about once a week as light watering or sprinkling does more harm than good.

The insects which are the most trouble are practically confined to the leaf roller and the green worm which eats out the buds, though the green fly sometimes becomes troublesome in wet weather. These are easily controlled as before mentioned under greenhouse culture with the exception of the worm which eats the buds and which has to be picked off by hand. The care of

roses during the winter months comprises a careful mulching with straw or leaves as soon as the ground is frozen and the pruning which is done in the spring. The pruning of roses is for the purpose of obtaining more or larger bloom and as the flowers are born on new wood produced from the current year's growth, all old wood should be cut away each year except in the case of climbers and other tall growing sorts, where it is necessary to retain the old canes. These should be removed one or two at a time as new ones grow.

It is well to cut ever-blooming roses almost to the ground as they give better results than when only lightly trimmed, and the hybrid perpetuals, if it is desired to have a few large blooms, most of the canes should be removed to the ground and the remaining canes cut back about one-third; but if a large number of blooms are wanted the canes should be practically all left, removing only a few of the older canes which are non-bearing.

The varieties used are governed by the use to which they are to be put. In cases where the owner goes away for the summer and does not come back until late fall, the hybrid perpetual roses are largely planted, but where the place is occupied the entire summer, and where the flowers are used for commercial purposes, the ever-blooming roses are used entirely, except in connection with shrubby roots where a few hybrid perpetuals are sometimes used with *Rosa rugosa*—which is classed among the shrubs. Planting for commercial purposes is similar to garden culture except that the ground is covered with manure, then plowed as deep as possible and then harrowed instead of digging out and replacing the soil, as this process would be too expensive. The beds are usually made as long as possible, with about six rows of plants between the walks, thus giving easiest manner of cultivation and gathering. The varieties which are commonly used for commercial cutting are Kaiserin Augusta Victoria, White and Pink Maman Cochet, Detroit and Madame Groletz. The best ever-blooming roses for garden use, including the above and in addition are Antoine Rivoire, La France, White Cochet, Pink Cochet, Mrs. E. R. Cant, Gruss an Teplitz, Hermosa, Clothilde Soupert, Rhea Reid, Kaiserin Augusta Victoria and hybrid perpetuals are Paul Neron, Mme. Masson, Clio, Boule de Neige, Anna de Diesbach, Eugene Furst, Frau Karl Druschki, Mrs. John Laing, Ulrich Brunner, Margaret Dickson, while the best climbing roses are Dorothy Perkins, Crimson Rambler, White Dorothy Perkins, Alberic Barbier.

In conclusion, I have found that roses as a whole do not do well in St. Louis owing to the fact that it is quite smoky, but that *Rosa rugosa*, which is used as a shrub, seems to do exceedingly well no matter where it is placed or in what kind of soil. We do not use many of its varieties, confining ourselves principally to the Japanese type and the white variety. Of the climbers, Dorothy Perkins and Crimson Rambler are most commonly used, Dorothy Perkins being the favorite, as Crimson Rambler becomes mildewed and looks quite shabby late in the summer.

In my capacity as landscape architect, I find that most people desire a rose bed somewhere on their premises, though few care to have a rose garden as they deem it too much trouble.

### Tacoma Rose Show.

The Tacoma second annual rose show which closed recently was a success in every way. It was undoubtedly the largest display of the kind ever held in the city and proved Tacoma to be in one of the best outdoor rose growing regions in the country. The show was held in the armory, which was decorated with palms, ferns and hanging festoons, with a background of evergreens in solid banks. More than thirty thousand blooms were shown and though they were grown outdoors thousands of them were the equal of the best greenhouse product. There were nearly eight thousand blooms of the Caroline Testout. No less than twenty-five of the late new varieties were exhibited, many of them being especially adapted to outdoor bedding.

A few of the late sensational roses were shown, practically all of which will be first-class as bedding-out sorts. The display of one hundred and forty or more roses shown as individual flowers of that many sorts by the Lisbon Rose Co., of Portland, Ore., was a fine one and each individual rose seemed a perfect specimen. A. Lingham of Puyallup, Wash., had a very nice display of cut roses of probably sixty-

The first grand prize was won by a vase of 12-bloom Mad. Abel Chatenay roses. The following were awarded special prizes.

Twelve Best Testouts—First, T. H. Dobson; second, Mrs. L. F. Gault.

Six Pink La Frances—First, Miss Ethel M. Young; second, Mrs. H. H. Hohenschield.

Twelve White La Frances—First, Miss Julia Harris; second, Mrs. A. D. Elder.

Six White La Frances—First, Mrs. A. D. Elder; second, Mrs. Eugene Carr.

Twelve Frau Druschki—First, Mrs. H. H. Day; second, Mrs. Annie Riley; honorable mention, Mrs. Eugene Carr. Display of Six—First, Mrs. Eugene Carr; second, Mrs. George Reed.

Lyon—Six or more than three—First, Mrs. A. Granrud; second, Mrs. Belle Freeman. Three or less than three—First, Miss Katherine Hunt; second, Mrs. John Schlarb.

Twelve "Jacks"—First, Mrs. Truesdave; second, Mrs. F. J. Carlyle. Six "Jacks"—First, Katherine Hunt; second, Mrs. A. Teitje.

Twelve Ulrich Brunner—First, Mrs. G. H. Raleigh; second, Mrs. James Hayes. Six Ulrich Brunner—First, Mrs. F. S. Bullard; second, Mrs. George Bail.



SECOND ANNUAL ROSE SHOW AT TACOMA, WASH.

Grand First Prize: Vase of 12 Mme. Abel Chatenay Roses.

five sorts, six or more blooms to the vase. His display of hardy perennials was also good. The Christopher Nursery Co. showed fifty or more first-class sorts. The Tacoma hotels loaned tubs of palms, ferns, etc., for decoration. There were more than seven thousand in attendance and the awards were worth the effort necessary to win.

Camille DeRhon—First, Mrs. O. Ganrud; second, Mrs. Gran.

Baron de Von Steutler—First, Mrs. Mattie Newbauer.

Chateau de Clos Vogeoit—First, Mrs. R. H. Buddy.

Richmond—First and second, Mrs. R. G. Walker.

Marie Henrietta—First, Mrs. E. T. Benson; second, Berthe Kautzman.

Gen. McArthur—First, Mrs. J. W. Mizner.  
Mrs. Benjamin Cant—First, Mrs. Jamieson.  
Papa Gontier—First, Mrs. O. H. Brownell; second, Mrs. W. H. Johnston.

S. L. H.

#### Canadian Horticultural Association.

The fifteenth annual convention of the Canadian Horticultural Association will be held in Montreal, Quebec, August 6-9. The convention will open with an address by the mayor of Montreal, followed by the regular routine of business. The morning of the following day will be spent in listening to answers to questions left in the question box, a paper on "The Cost of Production of Florists' Stock," by W. W. Gammage, London, Ont.; report of the judges on trade exhibit, and a discussion of the president's address. In the afternoon visitors will be guests of the Harbor Commission. In the evening the following papers will be given: "Economic Management of a Retail Store," by George M. Geraghy, Toronto, Ont.; "Commercial Orchids," by Thos. Manton, Eglinton, Ont. The next day the city of Montreal will entertain the guests during the morning, while the afternoon will be devoted to completing the unfinished business and watching a practical demonstration on the arrangement of cut flowers, by H. Dillemoth of Toronto. The association banquet occurs in the evening and a visit to Macdonald College the next day will conclude the festivities.

The officers of the association are: A. C. Wilshire, president; Walter Muston, first vice president; H. B. Cordan, second vice president; J. Luck, secretary; J. H. Jangen, treasurer; Geo. A. Robinson, 825 St. Catherine St. West, Montreal, superintendent of trade exhibit.

#### Hybrid Saxifraga.

Hybrid saxifrages, both in the encrusted and mossy sections, are now so numerous that they have largely supplanted the wild types in gardens. *S. cochlearis* is a most variable plant, there being in cultivation three well-marked forms, one, known as the type, with medium-sized rosettes, *S. cochlearis* var. major, which is much larger in all its parts, and *S. cochlearis*, var. minor, a diminutive variety of graceful habit, which has recently been raised by one authority to specific rank under the name of *S. Probynii*. *S. lantoscana*, usually classed as a variety of *S. lingulata*, is a plant of great beauty, with silvery rosettes of leaves and arching inflorescences, having all the flowers on the upper side. The hybrid is from a cross between *S. cochlearis* and *S. lantoscana*; it has the habit of the first-named species, being upright and freely branching, with the larger flowers of the other species. The flowers are white, with a few pink spots and lines near the base of the petals, while the leaves are intermediate in character, being not quite so spatulate as in *S. cochlearis*. Of free-flowering and graceful habit, the hybrid should prove a welcome acquisition for the rock garden, even although well over 200 distinct members of the genus *Saxifraga* are grown in gardens.—W. I. in The London Gardeners' Chronicle.

CHATHAM, N. J.—Harry A. Stollery, brother of the Stollery Brothers, Argyle Park, Chicago, has just gone to England on the Lusitania. He is foreman of the Sunnywoods Greenhouses for Frank L. Moore of Moore, Hentz & Nash. While over there, he will visit his old home in Suffolk and call at some of the famous rose and orchid growing establishments.

#### Albany, N. Y.

Among the June weddings of note was that of Edward P. Tracy of Meane & Tracy, The Rosery, June 24. The bride was Miss Elizabeth F. Houlihan, daughter of Mr. and Mrs. John Houlihan of this city. The ceremony took place in St. Joseph's Roman Catholic church, where the Rev. Father Kelly officiated. Thomas F. Tracy, brother of the groom, was best man. Mr. and Mrs. Tracy are in Washington on their honeymoon.

Residents of Saratoga are making preparations for a historical and legendary pageant to be held in Congress Spring park, August 19-24. The episodes, mainly events in the colonial and revolutionary days of the village, will be enacted upon a level stretch of green with a background of gentle slopes, magnificent trees, and luxuriant foliage. One thousand people will take part in the cast.

John L. Hunt has been elected to succeed Jerome B. Rice as president of the Cambridge Valley fair. Mr. Rice who died on June 11 was a well known seedsman and the leading spirit in the management of the fair. Mr. Hunt was for years confidential assistant to Mr. Rice in the management of his affairs. R. D.

#### Peony La Lorraine.

Peony La Lorraine is described by Lemoine as the result of a cross between *Pæonia lutea*, a canary-yellow flowered species introduced from China, and a variety of *P. Moutan*. Its stems are strong and woody; its foliage has the same appearance as most of the tree peonies grown in the gardens; the color of the leaves is a clear green, with a tinge of purple on the petioles and the midribs. The floral peduncles are rather short and carry large well expanded flowers of a good substance, quite full, the petals, nearly imbricated, being of a soft sulphur yellow with a salmon tinge when opening, the color becoming lighter and purer when fully expanded. This variety, which normally flowers in the first days of June, is perfectly hardy, and by no means difficult to propagate.

#### Sowbugs.

##### ED. AMERICAN FLORIST:—

Will you please give us information as to what will exterminate sowbugs and other insects without injury to the flowers? This year the greenhouse has been alive with sowbugs, which have proved very destructive to the flowers, especially the carnations. We are remodeling the greenhouse and nearly all the plants are out of doors, therefore, would like to know of something that will clean them entirely up.

Utah.

P. F. C.

In the treatment of sowbugs, poisoned baits are the standard remedies. The fondness of sowbugs for potatoes long ago led to these being used poisoned either with Paris green or London purple; the potatoes are sliced and a thin covering of the powder applied. In addition to Paris green and London purple, arsenate of lead may be used. A still cheaper substitute is white arsenic, which is quite inexpensive, but is, however, dangerous to apply to delicate plants. One or two tablespoonfuls of white arsenic to a bucketful of bran, sweetened with a quart of syrup or molasses, and the mixture placed in small lots on the beds, will prove very effective in controlling these insects. All old boards, broken crocks, and other rubbish should be cleaned out, for under these they congregate and breed. Such precautions will tend to greatly prevent any great damage or annoyance. F. H. C.

## OBITUARY.

#### William Roethke.

William Roethke, president of the William Roethke Floral Co., died at his home at Saginaw, Mich., June 9. He was 80 years old and was one of the best known florists in the state. He was born in Prussia and was at one time florist on the estate of the Count of Arnim, a brother-in-law to Prince Bismark. Mr. Roethke came here after financial reverses in the old country and built his business up from a very modest beginning to one of the largest floral firms in the state. Three sons and two daughters survive. They are: Emil, Charles and Otto Roethke, Mrs. Henry Beisterfeld and Mrs. Gustave Granse, all of this city.

#### Theodore F. Frank.

Theodore F. Frank of Buffalo, N. Y., fell quietly asleep Friday, June 14, on the fifty-third anniversary of his wedding day, aged 82. Mr. Frank was born in Prussia May 6, 1830, served his apprentice term in Erfurt and after gaining experience in different greenhouses in Germany came to America in 1856. After being engaged in different branches of horticulture until 1876 he founded the business which he conducted until his death. Though his health was impaired by accidents which occurred after his seventy-fifth year, his energy and love of flowers impelled him to active labor among them to the day of his death. His was the first break in the family circle and he is survived by his wife and five children. A horror of debt and a pride in being perfectly solvent made him conduct his business in a conservative manner, which proved satisfactory to all who dealt with him. It is expected that the business will be continued in his name as the best monument to his memory.

#### Resolutions on the Death of E. A. Wood.

Whereas, The death of Elijah A. Wood, June 1, 1912, removes one of our most keenly interested members and a man endowed with a knowledge of floriculture far beyond that of the average plantsman and artist in flowers, he having been noted as a raiser of new chrysanthemums, originating a number of highly meritorious varieties, including Edward Hatch and Golden Hair, also conspicuously successful in the cultivation of these plants, and

Whereas, Mr. Wood was an exemplary citizen, an earnest worker in the cause of floriculture, ever ready to place all the information and skill he possessed at the service of his fellows, always courteous and considerate, endeavoring himself to everyone with whom he came in contact, it is therefore

Resolved, That we place on record our appreciation of his worth as a worker in our craft and as an associate and friend, and it is further

Resolved, That we extend our sincere sympathy to Mrs. Wood and relatives in their bereavement, and further

Resolved, That these resolutions be spread on our records and an engrossed copy sent to Mrs. Wood.

#### CHICAGO FLORISTS' CLUB.

W. N. Rudd,

J. C. Vaughan,

Michael Barker,

Committee.

June 20, 1912.

Born, Newton, Mass., 1859.

Died, Chicago, June 1, 1912.

Honorary.

Ex. Pres. Chrys. Soc. of Am.

Ex. Mem. S. A. F. Executive.

Judge Chicago World's Fair.

# THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time. Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,  
440 S. Dearborn St., CHICAGO

THIS ISSUE 64 PAGES WITH COVER

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RENEW subscriptions promptly so that no copies of the paper may be missed.

MRS. GEO. EBELING of Chicago is suing for divorce on the ground that her husband sent her a box of poisoned flowers. The city chemist examined the flowers and could find no trace of any poisonous substance.

## Personal.

J. A. Valentine celebrated his fifty-third birthday June 26.

## Next Week's Holiday.

Next week's issue will go to press earlier than usual on account of the holiday and advertisers and correspondents will therefore oblige by mailing their copy one day earlier than usual.

## Pickler's Fate.

The increasing use of artificial flowers, in preference to high priced natural stock from storage, otherwise known as "pickled" or "salted" stock, will surely put the "For Sale" sign on many greenhouses, as one of our correspondents remarks in a recent issue.

## National Sweet Pea Society.

The final schedule, entry blank and programme of the annual convention and exhibition of the National Sweet Pea Society, to be held at Boston, Mass., July 13-14, is now ready and can be had on application to William Sim, Cliftondale, Mass., president, or Harry A. Bunyard, 342 West Fourteenth street, New York, secretary.

## National Council of Horticulture.

The fifth installment of the press service of the National Council of Horticulture contains articles upon the following subjects: "Seeds to Sow in Midsummer," "The Madonna Lily," "Watermelons." These articles are timely and instructive and are distributed to florists, seedsmen, nurserymen and the press for the purpose of extending the interest in horticulture. Copies may be obtained of J. H. Burdett, 1620 West 104th place, Chicago.

## "Lawn Soils and Lawns."

We are in receipt of Farmers' Bulletin No. 494, entitled "Lawn Soils and Lawns" by Oswald Schreiner and J. J. Skinner, of the Bureau of Soils, and L. C. Corbett and F. L. Mulford of the Bureau of Plant Industry, Department of Agriculture. The bulletin of 48 pages contains much valuable data regarding the making and maintenance of lawns, with numerous illustrations. We note such suggestive sub-titles as "Adaptability of Soils," "Influence of Building Debris," "Soil Building for Lawns," "Soil Grading for Lawns," "Preventing Erosion of Terrace Banks," "Grasses Adapted to Lawn Making," "Sodding." "When to Plant a Lawn," etc.

## Why Not Patents for Plants?

It took the law-makers of the world many centuries to provide more or less adequate protection for the inventor—the man who gives to the world a useful process, a useful compound, or a useful machine of which it never knew before. Not yet have they realized the necessity of encouraging and rewarding the man who adds to the world's wealth by means no less practical than those of the inventor of steam engines or the designer of new chemical compounds—the man, in a word, who improves the living things of nature instead of fashioning new things out of inanimate matter. We have devised a patent system for the protection of him who invents a novel way of generating power, a novel way of communicating between New York and London, a novel way of weaving; but we have not yet protected the experimenter who gives us a variety of wheat richer in protein than the old, or a variety of cattle immune to the Texas fever tick. By a curious anomaly a man may patent a new instrument for discovering a useful microbe; but if he devises a means for increasing that microbe's usefulness to the world, he cannot patent his discovery. Why not?—Scientific American.

## National Flower Show.

The list of premiums to be awarded at the National Flower Show is rapidly increasing. In addition to the prizes listed in the preliminary schedule already distributed, and which amounted to nearly \$10,000, there are others which bring the total value to date approximately to \$16,000; with others promised and to be provided, the total prize list at the opening of the show will undoubtedly considerably exceed \$20,000. In addition to the premiums of intrinsic value, there will, of course, be awarded the usual certificates of merit and culture. Never before in America at a horticultural show has the prize list even approached the value of the one in preparation for the forthcoming show. At the recent horticultural exhibition held in London, the greatest exhibition of its kind ever held, the prize list was roughly estimated, by an English horticultural journal, at £4,000 (\$19,480). This amount, it is expected, will be exceeded in the value of the prizes to be offered at our own National Flower Show in 1913.

The prizes in the Rose section are liberal. Over \$1,000 is offered for rose plant exhibits, and this amount will be more than duplicated for exhibits of cut roses. The carnation awards will be on the same liberal scale. The orchid section will be most interesting, the many very substantial prizes being calculated to bring out an unusual number of exhibits covering both cut plants and flowers. The twelve classes for bulbous plants and flowers are likely to prove very popular to growers of bulbous flowers, both professional and amateur, and it is not too early for intending exhibitors to plan their bulb requirements in order to enter these classes. The prizes in the classes covering the general groups and collections of flowering and decorative plants are very generous, as well as those for specimen and varietal groups. A preliminary schedule was prepared and sent out several months ago, but this naturally covered mainly the sections entailing very early preparation for exhibits. The schedule covering the classes for cut flowers and exhibits not requiring any length of time for preparation will appear in the final schedule and will be published next fall or before the first of next year. Copies of the preliminary schedule may still be had on application to John Young, secretary of the National Flower Show, at 54 West Twenty-eighth street, New York City. Chairman Charles H. Totty has returned from a visit to the London International Exposition primed with ideas innumerable, many of which should prove of value in the promotion of our "greatest American Show."

JOHN H. PEPPER,  
Chairman Publicity Committee.

## Debtors and Creditors.

The Gustav and J. W. Ludwig Floral Co., N. S., Pittsburg, Pa., have called a meeting of their creditors for June 28, with a view of making a settlement. They report assets \$6,500, liabilities \$18,500, deficit \$12,000.

PITTSBURG, PA.—A state charter has been issued to the Ludwig Floral Co. of this city. The capital stock has been put at \$20,000 and the incorporators are: J. W. Ludwig, Gustav Ludwig and Gilbert P. Ludwig, Pittsburg; Henry Menschke, George Menschke and William Menschke, Castle Shannon.

## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By expert carnation grower. Competent to take full charge. Send particulars in first letter.

A. WOOD SMITH, Allison Park, Pa.

**Situation Wanted**—By grower of Roses and Carnations; competent to take charge and produce first-class stock. References. Please state wages. Address  
FLORIST, Harvey, La.

**Situation Wanted**—By expert carnation grower; can also grow good roses; competent to take full charge; state wages and particulars in first letter. Address  
Key 655, care American Florist.

**Situation Wanted**—By German, 38 years old; life experience in general greenhouse work and vegetables; good references; able to take full charge. Address  
H. GRAUE,  
70 S. Regent St., Port Chester, N. Y.

**Situation Wanted**—By young man (German), 21 years of age, bookkeeper by trade; would like to learn decoration and design work; can furnish best of references. Address  
Key 653, care American Florist.

**Help Wanted**—2 or 3 young men as helpers under foreman, at once. State wages and particulars. None but steady, sober ones wanted. Address  
Key 651, care American Florist.

**Help Wanted**—First-class salesman and designers for our retail stores. Apply to  
HERMAN BERSHAD,  
care Loeser's, Fulton St., Brooklyn.

**Help Wanted**—A good carnation grower with money to invest in an established florist business. Must be hustler and capable of looking after men. Address  
Key 647, care American Florist.

**Help Wanted**—Several quick potters, also man to take charge of palms and decorative stock. State wages expected in first letter. Address  
VAUGHAN'S GREENHOUSES,  
Western Springs, Ill.

**Help Wanted**—Young man in shipping business; must be good, quick potter and packer. Place is new and one who is willing to work himself up can have a good, permanent position; one with European experience preferred. Address  
J. L. SCHILLER, Toledo, Ohio.

**Help Wanted**—In British Columbia, an all-round grower of carnations, mums and a general line of pot and bedding plants; a steady position to the right man; must be sober and industrious and understand the business. Address  
Key 649, care American Florist.

**For Sale**—Three lots, 6000 ft of glass; only greenhouse in bustling town of 6000 inhabitants; doing good business; no competition; at a bargain. Address  
J. H. FREEMAN, Salida, Colorado.

**For Sale**—Eight acres good land on rock boulevard, five and one-half miles from heart of Kansas City. Good greenhouse and well established business. Splendid opening. For particulars write  
A. PEACHEY, Merriam, Kas.

**For Sale**—"Improved Capitol Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. dia.; length 80½ in. Bought Nov., 1910, used 5 months. Price \$300 cash. Address  
THE PANA GREENHOUSES, Pana, Ill.

**For Sale**—Florist; well established business in good thriving town; 4½ acres land, 60 cherry trees, 3000 strawberry, 1000 red raspberry and other small fruits; 12 room house; good barn; 2 good water wells; 3500 feet glass, built 3 years; natural gas; good reason for selling. Price \$6,500. Address  
M. J. CROSBY, West Salamanca, N. Y.

**For Sale**—By widow, established florist business in Lake View, with ground and buildings consisting of: 2 story 2 flat frame bldg., 4 rooms & bath each; office adjoining, 12x18 ft., under glass, concrete cellar, 3 greenhouses, 24x70; 20x70 and 20x60, with boiler, concrete posts and benches. Ground 120x125 ft. on corner. Fixtures, stock and soil on hand. For location, terms and other particulars, apply to  
BURNS & TRAUB,  
69 W. Washington St. Tel. Randolph 5446.

**For Sale**—Retail business; big bargain; well established; splendid location; low rent. Must sell quick. 921 N. Kingshighway, St. Louis, Mo.

**For Sale**—A good retail florist business; 25,000 sq. ft. glass; 7-room modern residence; 30 acres of good ground; all in city limits; good town; this place will stand close investigation; books to show; \$3,000 cash required, balance on time; \$12,500 for place; can make price of place in several years; to any one wanting a good business will be pleased to give full particulars by return mail. Address  
Key 641, care American Florist.

**For Sale**—Good and growing business. Will sell our Seed and Poultry Supply Store at a bargain. We take inventory July 1st, which will amount to about \$10,000. First class, fresh stock, well bought. Come and see what we have. No better country in the world. Los Angeles is growing phenomenally, and is finer in summer than in winter. Owner is not a seedman and has other business. Address  
WEST COAST SEED HOUSE,  
116-118 East 7th Street, Los Angeles, Cal.

**Wanted**—A florist in an eastern city, owing to other business, wishes to incorporate; has a well-established business; good investment for the right party. Address  
Key 646, care American Florist.

## CARNATION GROWER

Situation wanted. Middle west preferred. All man; can furnish best of references. State wages when writing.

Key 658, care American Florist.

## FOR SALE

House and lot at 4100 Ellis Avenue, Chicago. Alleys on both sides. Lot in rear large enough for three greenhouses. Owner lives on premises. Address

Key 644, care American Florist.

## Wanted ROSE GROWER

Thoroughly experienced. None other need apply. Must furnish all references. Call or write.

Sinner Bros., 6560 Ridge Ave., CHICAGO.

## Storeman.

A western florist, doing a high class business, has an opening for a man who can take charge of the work and customers where an extensive business is done. Good position and pay to the right man.

Key 664, care American Florist.

## Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address

Key 615, care American Florist.

## Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

## Greenhouse Foreman.

We want a competent man to take charge of a wholesale and retail greenhouse business. Must be fully qualified as a grower and as a salesman. State age and give full particulars of experience.

Key 659, care American Florist.

**For Sale**—Well established florist business in center of city of 15,000; last year's sales, \$9,000.00; a No. 1 place; 4,000 feet of glass; store and small house connected. This is a No. 1 place, and will bear the closest investigation: will be sold at a bargain; cause, ill health

JACOB SCHNEIDER, Manistee, Mich.

## Wanted At Once.

### NURSERY MANAGER

For Mail Order Business, one who is familiar with conditions in the Northwest. Married man preferred. Good dwelling house on place. Splendid opportunity for the right man with some capital. Address  
Key 657, care American Florist.

## Help Wanted.

A German manufacturer, who makes special heating plants and boilers for greenhouses, desires to secure the services of a capable representative in America (an experienced florist preferred) to start immediately. Apply in writing to

Key 610, care American Florist.

## Plantsman Wanted.

Advertiser has a permanent position, with good salary, for an experienced plantsman, able to grow a general line of commercial plants, palms, ferns, and miscellaneous flowering plants. Give full particulars in first letter. Address  
Key 661, care American Florist.

## Seed Catalogue Man

Competent to prepare and issue a Seed and Plant Annual with other special printed matter for various departments. Also a knowledge of preparing advertisements is desired. A well known house of long standing desires to correspond at once with a person of experience. Write in full detail as to experience, etc. Address  
Key 650, care American Florist.

## For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line; good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE,  
1607 Second Avenue, Rock Island, Ill.

### FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of  
JOHN F. HAHN,  
1572 Sherman Avenue, Evanston, Ill.

## WANTED!

### A First Class Orchid Grower

for my new additional Cattleya houses. Permanent work for the right man.

J. A. CARBONE,  
West Berkeley, California.

## First-Class Storeman.

A No. 1 Designer and Decorator, used to waiting on first-class trade, who will stand strictest investigation as to character, sobriety and ability, is open for engagement now or Sept. 1. A man who is capable of taking full charge and is not afraid of hard work and can be relied on at any time.

Key 656, care American Florist.

# FANCY LONG BEAUTIES

Mrs. Aaron Ward - Rhea Reid - Maryland - Kaiserin

## THE BEST STOCK FOR SUMMER USE.

Buy Direct of the Grower.

We grow all the stock we sell and guarantee it strictly fresh.

We quote our selection of Medium and Short Stem Roses at \$20.00 per 1000 in lots of 500 or more. These are strictly fresh and well assorted for colors.

### Price List

Subject to change without notice.

#### AMERICAN BEAUTIES

|                  |                 |
|------------------|-----------------|
| Extra long ..... | Per doz. \$3.00 |
| 36-inch .....    | 2.50            |
| 24-inch .....    | 2.00            |
| 18-inch .....    | 1.50            |
| 12-inch .....    | 1.00            |
| Short .....      | per 100, \$4.00 |

#### KILLARNEY AND WHITE KILLARNEY, RICHMOND, MARYLAND, KAISERIN AND PERLES AARON WARD AND RHEA REIDS

|                        |                |
|------------------------|----------------|
| Extra long select..... | Per 100 \$8.00 |
| Medium length .....    | 4.00 to 6.00   |
| Short .....            | 3.00           |

#### CARNATIONS

|                                       |                |
|---------------------------------------|----------------|
| Extra long fancy, O. P. BASSETT ..... | Per 100 \$2.00 |
| Extra long, fancy white.....          | 2.00           |
| Fancy pink .....                      | 2.00           |

#### FINE EASTER LILIES

|                 |      |
|-----------------|------|
| Per dozen ..... | 1.00 |
| Per 100 .....   | 6.00 |

|                         |                   |
|-------------------------|-------------------|
| LILY OF THE VALLEY..... | \$3.00 to \$ 4.00 |
| SWEET PEAS .....        | 1.00 to 2.00      |
| ASPARAGUS SPRAYS .....  | 3.00 to 4.00      |
| SPRENGERI .....         | 2.00 to 3.00      |
| ADIANTUM .....          | \$1.00 to \$ 1.50 |
| GALAX—Bronze .....      | per 1,000, \$1.00 |
| NEW FERNS .....         | per 1,000 2.00    |

PEONIES and all Seasonable Flowers at market prices.

# BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.  
Phone, Central 1457

CHICAGO

Greenhouses, HINSDALE, ILL.

Mention the American Florist when writing

#### Chicago.

##### BUSINESS VERY GOOD LAST WEEK.

Business was very good last week with most of the wholesale houses and the general report is that all kinds of seasonable cut flowers sold well. Trade fell off, however, the following Sunday, and on Monday the demand was very light. American Beauty roses are still in demand and is about the only item that cleans up well. Lily of the valley is having a good call and orchids have advanced considerably in price with a further advance expected. Fancy peonies are bringing good prices and carnations of inferior quality continue to be a drug on the market. Good quality carnations sell at fairly good prices but there is very little stock obtainable. Sweet peas are moving freely but at very low prices, and fine lilies are yet in great over-supply. A shortage in American Beauty roses was reported last week, due mostly to the cool weather and not to the increased demand. Gladioli of very fine quality are arriving in very large quantities and outdoor flowers of every description are obtainable everywhere. Gardenias are scarce and greens of all kinds are plentiful. Prince De Bulgarie, Melody and Mrs. Aaron Ward roses are having a good call and are being used freely in high class decorative work. My Maryland, Kaiserin Augusta Victoria and Rhea Reid roses are arriving in fine condition, and Killarney and White Killarney are in good shape. Both indoor and outdoor asters are plentiful and field daisies, stocks, marguerites, Spanish Iris and feverfew are moving slowly. At this writing stock of all kinds is plentiful with no shortage in anything. The market on Wednesday was a little better, due probably to the cool and favor-

able weather. Employees are now leaving on their vacation and the principal talk on the market is the coming S. A. F. convention.

##### NOTES.

The Cook County Florists' Association baseball team was out for practice for the first time on June 23 and is rapidly rounding into form with the intention of trimming up the Chicago Carnation Co.'s crack baseball team at Joliet on July 4. The boys cordially invite the trade to accompany them on the trip and partake of a basket party which will be given on the same day. The train leaves at 11:45 a. m. over the Rock Island railway and all those who intend to make the trip should notify Allie Zech so the proper arrangements for all can be made. Manager Pyfer will be on hand at the other end of the line and will entertain the crowd at his home at Cherry Hill. Be sure and bring your lunch along.

Bassett & Washburn are cutting heavily in Rhea Reid and Mrs. Aaron Ward roses and the quality is exceptionally fine. The cut of American Beauties is also very large and their many customers are well pleased with the quality of the stock that they are receiving.

John Kruchten is handling a fine grade of all kinds of reasonable stock and the flowers are exceptionally fine for shipping purposes. Peonies, asters, gladioli, lily of the valley and roses of unusually good quality are but a few of the many offerings.

John Mangel arranged several large decorations at the Blackstone Hotel last week and says that the Republican convention helped trade considerably and that he had all the work from this source that he could properly attend to.

Peter Reinberg is having a good call for Sunrise roses and the cut of roses in general is large, with American Beauties in heavy supply. Trade at this house last week was very satisfactory.

L. Hoeckner is doing fine this season with his flower booth at Riverview Park and he has everything his way at present owing to the large quantities of flowers now on the market.

Walter Wright, 6221 Rhodes Ave., will be the new secretary of the Small Parks Commission, having received the highest average at the examination before the civil service board.

Fred Sperry, formerly in the wholesale business in this city, left on June 24 for Los Angeles, Calif., where he intends to make his home in the future.

Tony Einweck, E. H. Hunt's cut flower man, will leave June 30 for a few weeks' visit with friends and relatives at Washington, Ia.

The interior of Paul Blome & Co.'s store, was badly damaged on the evening of June 23 when fire broke out in the flat above.

A. S. Whitney, formerly of this locality, returned from California June 19, having spent some years on the coast.

Robert Roberts, formerly buyer for the Geo. Wittbold Co., is now salesman for the Batavia Greenhouse Co.

Ralph Keefe, salesman for the Batavia Greenhouse Co., left June 25 for a few weeks' visit in the east.

The local wholesale stores will close at 5 p. m. during the months of July and August.

H. N. Bruns intends to leave for Europe some time this week.

Joe Welsh and his lady friend spent June 23 in Milwaukee, Wis.

# Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone  
Randolph 35

CHICAGO, ILL.

## JULY,

## August and September

we will have a large supply of

# Fancy Roses and Carnations

for we make a specialty of growing stock for the summer. We keep in our **Carnations** and take the best care of them, which gives us **Carnations** equal to winter-grown stock. We also continue to run **Roses** and **Beauties** through the summer, as well as young stock which is now just starting to come in.

## LARGE SUPPLY

**Asters, Gladioli, Sweet Peas, Valley,  
Easter Lilies, Carnations, Roses.**

Special Low Prices Quoted on Thousand Lots.

### CURRENT PRICE LIST

Subject To Change  
Without Notice.

|                                                          |                              |  |  |  |         |
|----------------------------------------------------------|------------------------------|--|--|--|---------|
| <b>AMERICAN BEAUTIES.</b>                                | Per Doz.                     |  |  |  | Per 100 |
| Specials .....                                           | \$4.00                       |  |  |  | \$ 8.00 |
| 36-inch .....                                            | 3.00                         |  |  |  | 6.00    |
| Medium .....                                             | 2.00                         |  |  |  | 3.00    |
| 18 to 20 in. ....                                        | 1.50                         |  |  |  |         |
| Short stem .....                                         | per 100 \$4.00, 6.00 to 8.00 |  |  |  |         |
| <b>PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.</b> | Per 100                      |  |  |  |         |
| Fancy .....                                              | \$8.00 to \$10.00            |  |  |  |         |
| Medium .....                                             | 6.00                         |  |  |  |         |
| Short .....                                              | 4.00                         |  |  |  |         |
| <b>MELODY, fancy long</b> .....                          | \$8.00 to 10.00              |  |  |  |         |
| Medium .....                                             | 6.00                         |  |  |  |         |
| Short .....                                              | 4.00                         |  |  |  |         |
| <b>MRS. AARON WARD.</b>                                  |                              |  |  |  |         |
| Fancy Long .....                                         | \$8.00 to 10.00              |  |  |  |         |
| Medium .....                                             | 6.00                         |  |  |  |         |
| Short .....                                              | 4.00                         |  |  |  |         |
| <b>RICHMOND, Fancy</b> .....                             | 8.00                         |  |  |  |         |
| Medium .....                                             | \$4.00 to 6.00               |  |  |  |         |
| Good Short .....                                         | 3.00                         |  |  |  |         |
| <b>KILLARNEY, Fancy</b> .....                            | 8.00                         |  |  |  |         |
| Medium .....                                             | \$4.00 to 6.00               |  |  |  |         |
| Good Short .....                                         | 3.00                         |  |  |  |         |
| <b>WHITE KILLARNEY, Fancy</b> .....                      |                              |  |  |  |         |
| Medium .....                                             | \$ 8.00                      |  |  |  |         |
| Good Short .....                                         | 3.00                         |  |  |  |         |
| <b>ROSES, extra special billed accordingly.</b>          |                              |  |  |  |         |
| <b>CARNATIONS, extra fancy</b> .....                     | 2.00                         |  |  |  |         |
| “ common .....                                           | 1.50                         |  |  |  |         |
| <b>SHASTA DAISIES</b> .....                              | \$1.00 to 2.00               |  |  |  |         |
| <b>ORCHIDS, Cattleyans, per doz.</b> .....               | 6.00 and up                  |  |  |  |         |
| <b>PEONIES, our selection</b> .....                      | 4.00                         |  |  |  |         |
| <b>EASTER LILIES</b> .....                               | \$8.00 to 10.00              |  |  |  |         |
| <b>SPANISH IRIS</b> .....                                | 4.00                         |  |  |  |         |
| <b>STOCKS, fancy, per doz.</b> .....                     | \$0.50 to 1.00               |  |  |  |         |
| Marguerites .....                                        | 1.00 to 1.50                 |  |  |  |         |
| Feverfew, per bunch .....                                | .35 to .50                   |  |  |  |         |
| <b>VALLEY</b> .....                                      | 3.00 to 4.00                 |  |  |  |         |
| <b>DAISIES, field</b> .....                              | .75                          |  |  |  |         |
| <b>SWEET PEAS, fancy Butterfly</b> .....                 | .75                          |  |  |  |         |
| <b>SWEET PEAS, common</b> .....                          | .50                          |  |  |  |         |
| <b>ADIANTUM CROVEANUM</b> .....                          | 1.00                         |  |  |  |         |
| <b>SMILAX, per doz.</b> .....                            | 2.00                         |  |  |  |         |
| <b>SPRENGER, PLUMOSUS SPRAYS</b> .....                   | \$3.00 to 4.00               |  |  |  |         |
| <b>PLUMOSUS STRINGS, extra long and heavy</b> .....      | each .60                     |  |  |  |         |
| <b>PLUMOSUS, strong, long, medium</b> .....              | each .45                     |  |  |  |         |
| <b>FERNS</b> .....                                       | per 1,000 2.00               |  |  |  |         |
| <b>GALAX</b> .....                                       | per 1,000 1.25               |  |  |  |         |
| <b>LEUCOTHOE</b> .....                                   | per 100 .75                  |  |  |  |         |

# WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

**SPECIAL SALE ON CARNATIONS.** Best Quality Blooms, \$15.00 per 1000.

Also Special Offer on Roses. Long, \$5.00 per 100; Medium \$2.50 per 100.

**CURRENT PRICE LIST.**--Subject to change without notice.

**American Beauties.**

|                    |           |                    |           |
|--------------------|-----------|--------------------|-----------|
|                    | Per Dozen |                    | Per Dozen |
| 60-inch stems..... | \$3.00    | 24-inch stems..... | \$1.25    |
| 48-inch stems..... | 2.50      | 20-inch stems..... | 1.00      |
| 36-inch stems..... | 2.00      | 15-inch stems..... | .75       |
| 30-inch stems..... | 1.50      | Short Stems.....   | .50       |

**Killarney.**

|                    |         |
|--------------------|---------|
|                    | Per 100 |
| Extra special..... | \$7.00  |
| Selects.....       | 6.00    |
| Fancy.....         | 5.00    |
| Medium.....        | 4.00    |
| Good.....          | 3.00    |
| Short stems.....   | 2.00    |

**Richmond**

|                     |         |
|---------------------|---------|
|                     | Per 100 |
| Extra specials..... | \$7.00  |
| Selects.....        | 6.00    |
| Fancy.....          | 5.00    |
| Medium.....         | 4.00    |
| Good.....           | 3.00    |
| Short stems.....    | 2.00    |

**Jardine**

|                           |         |
|---------------------------|---------|
|                           | Per 100 |
| Fancy, 24-inch stems..... | \$8.00  |
| Good, 15 ".....           | 6.00    |
| Short.....                | 4.00    |

**White Killarney**

|                     |         |
|---------------------|---------|
|                     | Per 100 |
| Extra specials..... | 7.00    |
| Selects.....        | 6.00    |
| Fancy.....          | 5.00    |
| Medium.....         | 4.00    |
| Good.....           | 3.00    |
| Short stems.....    | 2.00    |

**My Maryland**

|            |        |
|------------|--------|
| Fancy..... | \$7.00 |
| Good.....  | 6.00   |
| Short..... | 4.00   |

**Roses, our selection** - - - **\$3.00**

**Carnations,**

|                    |        |
|--------------------|--------|
| Extra Special..... | \$1.50 |
| Fancy.....         | 1.25   |
| Good.....          | 1.00   |

**HARRISII.....**12.50 to 15.00

**NEW FERNS, per 1000, \$2.00.**

**SMILAX, per doz., \$2.00 to \$2.50.**

**ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.**

**SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.**

J. F. Kidwell, president and manager of the Chicago Flower Growers' Association store, is busy getting the annual report ready for the association's next meeting. It will be a very interesting one for the stockholders. This firm is receiving a large supply of stock of all kinds and a fine grade of asters and out-door sweet peas are included in the daily shipments.

Otto W. Frese says that trade at Poehlmann Bros. Co.'s store last week was fine and that stock in all lines sold up well. This firm has installed a couple of settees for the use of their customers and T. E. Waters says that all their patrons have to do is to be seated and the firm will do the rest.

Chas. W. McKellar and wife have returned from a most enjoyable outing at Van Alstyne's farm at Gobelsville, Mich. Mr. McKellar says that the fishing was good and that he succeeded in catching a nice string each day, and that he was given a royal reception by the celebrated song writer.

Phil Schupp and wife, A. H. Budlong and wife and Mrs. T. A. Budlong are enjoying an automobile tour through the picturesque region of beautiful Wisconsin. Wm. Homberg is in charge of the store and manages to keep things moving pretty lively during Mr. Schupp's absence.

Schuman & Kouhout, who recently bought the Chicago Rose Co.'s greenhouses, made their first shipment of American Beauty roses to the Chicago Flower Growers' Association this week.

The A. L. Randall Co.'s employes are going to hold a picnic on the Fourth of July at Miss L. A. Tonner's home and a royal good time is looked for. The Irish King and Irish Queen will be there.

Fred Strail, with Lubliner & Trinz, will leave next Saturday, June 29 for a

## HORTICULTURISTS ATTENTION!

15th Annual Convention

OF

The Canadian Horticultural Society

MONTREAL, AUG. 6-9

Trade Exhibition in Charge of Geo. A. Robinson, 825 St. Catherine St., W., MONTREAL Que.

few weeks outing at his summer home at Twin Lakes, Mich. Joe Beaver of the same force will leave for Edgewater, Ohio as soon as Mr. Strail returns.

Hoerber Bros. say that their new rose Wilhelmina is doing fine and they speak very highly of this variety for market purposes. This firm at present is cutting a fine grade of My Maryland roses and fancy Butterfly sweet peas.

George Perdikas is rushing the alterations on his store on South Wabash avenue, and when they are completed he will have a better and much larger store.

Alex Gardiner, with Weilands, Inc., West Washington street, says that trade is very lively and that the new rose, Mrs. Taft, continues to have the call.

A. Miller says that A. Henderson & Co. are busy filling orders for poinsettias and that the demand for these plants is exceptionally good.

August Jurgens and Anton Then left Monday, June 24, for an extended trip to the south and their first stop was made at Mobile, Ala.

Several of the promising young florists are talking of forming a Roosevelt club and much interest is being shown on all sides.

Erne & Klingel report business as good, and say that last Monday's sales were equal to those of a good Saturday.

W. P. Kyle says that trade at Kyle & Foerster's store last week was very good and much better than he expected.

Adair Cowan is now doing the buying for the George Wittbold Co.



# Peter Reinberg

Long Distance Phone Central 2846.

**30 East Randolph St., CHICAGO.**

**Beauties = Roses = Carnations**

Send Your Orders Direct to the Grower and They Will be Taken Care of  
**CURRENT PRICE LIST.**

| AMERICAN BEAUTIES     |              | Per doz.       |                           |                   |
|-----------------------|--------------|----------------|---------------------------|-------------------|
| Extra long stems..... |              | \$3 00         | Mrs Aaron Ward {          | Select .....      |
| 36 inch stems.....    |              | 2 50           |                           | Medium .....      |
| 30 inch stems.....    |              | 2 00           |                           | Short .....       |
| 24 inch stems.....    |              | 1 50           |                           | .....\$4 00 to    |
| 20 inch stems.....    |              | 1 25           | Sunrise..... {            | Select .....      |
| 15 inch stems.....    |              | 1 00           |                           | Medium .....      |
| 12 inch stems.....    |              | 75             |                           | Short .....       |
| Short Beauties .....  |              | 50             |                           | .....             |
| Richmond .....        | Select ..... | \$8 00         | Roses, our selection..... | 3 00              |
| Killarney.....        | Medium ..... | \$5 00 to 6 00 | Carnations .....          | 1 50 to 2 00      |
| White Killarney       | Short .....  | 4 00           | Harrisii .....            | per doz. 1 50     |
| My Maryland....       |              |                | Valley .....              | 3 00 to 4 00      |
|                       |              |                | Sweet peas .....          | 75 to 1 25        |
|                       |              |                | Peonies .....             | per doz. 50 to 75 |
|                       |              |                | Adiantum .....            | 1 00              |
|                       |              |                | Asparagus, per bunch..... | 50                |
|                       |              |                | Ferns, per 1,000 .....    | 2 00              |

## Extra Fancy Peonies

Roses, Gladioli, Carnations, Lily of the Valley and everything else seasonable in Cut Flowers and Greens.

**A. L. VAUGHAN & CO.**

(NOT INC.)

**161 N. Wabash Ave.**

PHONES { Central 2571  
Automatic 48-734

**CHICAGO**

Miss H. V. Tonner will on July 1 turn over her wholesale business to her sister, Miss Olga, who has been with her for the past five years and who will hereafter conduct the business under the old firm name. Miss Tonner wishes to thank her many friends for their kind patronage in the past and sincerely hopes that they will continue to patronize her sister in the future. The trade greatly regrets to hear of Miss Tonner's departure and all wish her much success in her new venture. "Coming events cast their shadows before."

The Cook County Florists' Association held a regular monthly meeting at the Tavern, 174 West Washington street, last Thursday, June 20, with President Kohlbrand in the chair. The by-laws were adopted, luncheon was served, and E. C. Amling and H. E.

Philpott, life members of the association, were presented with a beautiful wallet as a token of appreciation by the club. The coming picnic, which will be given at Karthausers grove, July 14, was discussed and promises to be a banner affair.

Wietor Bros. report business as very good and find both the local and shipping trade brisk. Carnations are arriving at this store in fine condition and the American Beauty roses are of their usual good quality.

James Curran says that this is funeral week in his district and among the many designs that were made up was a regulation size fire-alarm box of lily of the valley and pink roses.

Wm. Kotshonis, the White House Florist, is enjoying a good transient trade at his store on South Wabash avenue.

Al. Lehman, with the E. C. Amling

Co., leaves this week for a well earned rest on the farm.

H. E. Philpott, of Winnipeg, was in the city on a few days' pleasure trip this week.

Visitors: Joseph H. Hill, Richmond, Ind.; Meyer Heller, New Castle, Ind.

### Chicago Florists' Club.

An adjourned meeting of the Florists' Club was held at the Union Restaurant June 20, President Foley in the chair. There was a large attendance and reports of progress were made by various convention committees. Resolutions on the death of the late Elijah A. Wood were adopted and the following were nominated to membership: James Fisher, 31 West Randolph street; Paul Dieball, Hubbards Woods; Tony Einweck, 131 North Wabash avenue. Next meeting. July 11.

# ROSES---CARNATIONS PEONIES Gardenias---Sweet Peas

Extra Fancy Stock.      None Better to be Had.

Once a Kruchten Customer, Always a Kruchten Customer

## JOHN KRUCHTEN

162 N. Wabash Ave., Phone Central 6269 CHICAGO.

### Chicago Pastimes.

The Chicago Florists' Club baseball team defeated the crack Kimball Park nine last Sunday, June 23, in a close and exciting game by a 10 to 9 score. The Kimballs had the best of the argument in the opening inning when six of their men crossed the plate through a number of costly errors, but the Florists came back strong and managed to even up the score in the next seven innings and bring in the winning point by an eighth inning rally. Tony Einweck duplicated his feat of the Sunday before by slamming out a four-bagger and sending in two runs. All members of the team are earnestly requested to report for practice at the usual meeting place next Sunday, June 31, at 1 p. m. sharp.

The bowling season closed on June 29, and as usual Al. Fischer carried off nearly all the individual honors, followed closely by Allie Zech. The team prizes were as follows: Orchids, first prize, \$25.00; Carnations, second prize, \$15.00; Roses, third prize, \$10.00; Violets, fourth prize, \$5.00.

#### Individual Winners.

|             |            |         |
|-------------|------------|---------|
| Al. Fischer | 1st Prize  | \$12.00 |
| A. Zech     | 2d Prize   | 10.00   |
| J. Huebner  | 3d Prize   | 8.00    |
| Wm. Wolf    | 4th Prize  | 7.00    |
| C. Balliff  | 5th Prize  | 6.00    |
| J. Zech     | 6th Prize  | 5.00    |
| W. Graff    | 7th Prize  | 4.00    |
| E. Farley   | 8th Prize  | 3.00    |
| E. Schultz  | 9th Prize  | 2.00    |
| F. Ayers    | 10th Prize | 1.00    |

Al. Fischer, individual champion, silver cup, donated by Zech & Mann.

Al. Fischer, high single score, fob, donated by H. E. Philpott.

Al. Fischer, high single score, \$5.00.

Allie Zech, high average, three games, \$5.00.

Orchid team, high single game, \$5.00.

Carnations, high average three games, \$5.00.

Six high average men: Al. Fischer, Allie Zech, J. Huebner, W. Wolf, C. Balliff and John Zech, six umbrellas, donated by John

Mihelsen of the E. C. Amling Co.

Al. Fischer, Allie Zech, J. Huebner and J.

Schlossman, high average man of each team, stick pin, donated by the A. L. Randall Co.

BRISTOL, R. I.—Thomas Brightman's greenhouse was damaged by fire, May 29.

DONORA, PA.—Owing to illness, E. A. Lutes, of the Donora Cash Flower store, will discontinue his business here and leave for Mexico.

PHILADELPHIA, PA.—A petition to have Wm. W. Crawford, florist at 3210 Market street, adjudged an involuntary bankrupt was filed by creditors June 12, as follows: Hire Turner Glass Co., \$30.70; Philadelphia Cut Flower Co., \$518.40; H. Bayersdorfer & Co., \$297.31.

### St. Louis.

#### SUMMER DULLNESS BEGINS.

The past week the retailers were fairly busy but the summer dullness is here. The quality of the flowers is poor. Carnations especially, with but few exceptions, look sleepy and roses are getting small and in some cases show signs of mildew. The wholesalers are closing early and the buyers of two weeks ago are not to be seen. Outdoor peas are arriving slowly, the



Mrs. G. H. Angermueller.

heavy rains having curtailed the supply. The growers are throwing out, cleaning and preparing for next season. Quite a good many indoor gladioli are in. The outdoor gladioli will be in shortly.

#### NOTES.

William C. Smith, of the Wm. C. Smith Wholesale Floral Co., spent a few days at Edwardsville, Ill., at the home of his father-in-law. In his absence Wm. Ossig and Frank Windler took care of the business. They are

receiving a fine lot of gladioli and a limited supply of outdoor peas.

Ostertag Bros. are adding constantly to the improvements of their store. They have secured additional space for taking care of their large assortment of decorative plants. Henry celebrated his birthday last week at his home, receiving congratulations from his many friends.

H. G. Berning has many carnations and roses notwithstanding the scarcity of good stock. He seemed to move them at the best possible prices. He had a nice consignment of good color long American Beauty roses.

George H. Angermueller, the well known wholesaler, was married last Thursday, to Mrs. Mina S. Myers, who has recently conducted a retail store. Her establishment is now for sale.

The Alexander Floral Co., which has completed its new "rose house," expects to be in line this fall. The company also has a house devoted to the raising of fancy chrysanthemums.

Grimm & Gorly have been doing a large business the last week. Their entire force is still on duty as they have not as yet had to lay any off on account of the dull season.

Mrs. M. M. Ayres of the Ayres Floral Co. will shortly take her vacation. She certainly needs it, as she has been a constant and consistent worker all her life.

The Paris Floral Co. will vacate its present quarters next month. No announcement of the new location has been made, as the deal is not completed.

C. A. Kuehn has a fine assortment of seasonable flowers, including large fancy pink asters, corn flowers, lily of the valley and quite a lot of peonies.

It is reported that the Riessen Floral Co. will move into a new location further west. Mrs. Buechel is well known and trade will follow her.

John Barnard, formerly with Grimm & Gorly, is now in business for himself at Jefferson and Franklin, and is doing well.

Alexander Waldbart & Sons have had a great season, a big increase in plant trade and landscape work.

Charles Schoenle, who has been on the sick list, is around again and is a daily visitor at the market.

Andrew Meyer, Jr., has had a busy time during the past few weeks. Andy seems to have caught on. W. F.

# The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449  
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.  
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.  
G. C. WEILAND, Sec'y.

## GOOD SUPPLY OF Peonies

Extra select blooms of the choicest quality. We can supply these in any quantity in dozen, hundred and thousand lots. Special attention given to all orders. This is the place to buy.

### CURRENT PRICE LIST:

| Grade                               | A       | B       | C       | D       | E       | F      | G |
|-------------------------------------|---------|---------|---------|---------|---------|--------|---|
| Beauties.....per dozen              | \$ 4.00 | \$ 3.00 | \$ 2.00 | \$ 1.50 | \$ 1.00 |        |   |
| Killarneys.....per 100              | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | \$2.00 |   |
| White Killarneys.....               | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Richmonds.....                      | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| My Maryland.....                    | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Perle.....                          | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Maids.....                          | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Brides.....                         | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Carnations.....                     | 3.00    | 2.00    | 1.50    | 1.00    |         |        |   |
| Easter Lilies.....                  | 10.00   | 8.00    | 6.00    |         |         |        |   |
| Orchids, Cattleyas.....             | 40.00   | 35.00   | 25.00   |         |         |        |   |
| Lily of the Valley.....             | 5.00    | 4.00    | 3.00    |         |         |        |   |
| Sweet Peas.....                     | 1.50    | 1.00    | .75     | .50     |         |        |   |
| Peonies.....                        | 5.00    | 4.00    | 3.00    |         |         |        |   |
| Daisies.....                        | 1.00    | .75     |         |         |         |        |   |
| Asparagus Plumosus Sprays..         | 4.00    | 3.00    |         |         |         |        |   |
| Asparagus Sprengeri Sprays..        | 4.00    | 3.00    | 2.00    |         |         |        |   |
| Mexican Ivy.....                    | .75     |         |         |         |         |        |   |
| Smilax.....                         | 25.00   | 20.00   |         |         |         |        |   |
| Adiantums.....                      | 1.00    | .75     |         |         |         |        |   |
| Galax, Green or Bronze.....per 1000 | 1.00    |         |         |         |         |        |   |
| Ferns.....                          | 2.00    | 1.50    |         |         |         |        |   |

#### Davenport, Ia.

##### BUSINESS SATISFACTORY.

Business has been good the past two weeks owing to the graduating exercises and numerous weddings. Funeral work has also been good. Roses are getting smaller and poorer in quality, owing to the very cool nights, the temperature hovering around forty degrees. Carnations also are going off. Sweet peas are in their glory and are very fine, due to the wet weather of late. Other out-of-door flowers are scarce and of poor quality, having suffered a great deal by freezing out or nearly so last winter.

##### NOTES.

Theodore Ewoldt, president of the local flower society, entertained the Tri-City Florists' Club at their annual strawberry supper at the Outing Club at Davenport on the evening of June 20. Every member with the exception of two was present. The committee on the annual picnic reported everything in readiness for the great event and promise everybody the time of his life. The picnic will be held at the summer place of Wm. Knees on the banks of the scenic Rock River a few miles south of Moline, Ill. It is an ideal picnic spot with plenty of room for all kinds of games, races, etc., and also affords a bathing beach and fine boating and fishing. July 11 is the date chosen for the outing and the florists have all promised themselves a day off from business cares.

John Temple has had on exhibition the last week a fine yellow calla which proved quite an attraction. Wm. Goos exhibited some exceptionally fine blooms of Commodore geraniums which seem to be quite an improvement over the usual variety; stems eighteen inches long, trusses at least five and one-half inches in diameter.



## ORCHIDS

### For Weddings

Valley, Sweet Peas, Peonies, Roses and all seasonable flowers and supplies of all kinds.

Send for Price List.

**CHAS. W. MCKELLAR**

Phone L. D. Central 3598

22 E. Randolph St., CHICAGO

Flower day, held by Ned Lee's mission school, netted the society nearly \$1,000. Flowers were sold by young ladies in the business districts of the city. Men wore flowers that day who rarely did before. Wonderful what a nice young lady can do.

No prize was given this year at the strawberry eating contest, as the judges could not decide to whom the prize should go.

Mr. Boehm is off for Indianapolis to attend the national convention of the turners.

Charles Hummel is getting ready to build an addition to his place 22x90 feet.

Forber & Bird have purchased a fine new auto delivery car.

The next meeting is dated July 11 at the picnic grounds. E.

GROTON, N. Y.—Arthur H. Bool, proprietor of the Bool Floral Co., has sold his fifty-two-acre farm to Cornell University. The sale includes the greenhouses and other buildings, but the university will not take possession for two years.

# Erne & Klingel

WHOLESALE FLORISTS  
30 E. Randolph St., L. D. Phone Randolph 6578 Chicago.

# E. F. WINTERSON CO.

166 N. Wabash Ave., CHICAGO  
Headquarters for All Seasonable Cut Flowers

**Cut Flowers  
AND GREENS**  
LARGE SUPPLY OF ALL KINDS

**KENNICOTT BROS. CO.**  
WHOLESALE CUT FLOWERS  
163-165 N. WABASH AVE. CHICAGO  
L. D. Phone Central 466

### Des Moines, Ia.

#### BUSINESS EXCEPTIONALLY GOOD.

Business has been exceptionally good the season through with the local trade. For the most part cut flower prices have been maintained. During the past week there has been little call for decorations except for the few weddings that have occurred. With the local greenhouses now replanting, most of the stock used is coming in from outside points, and almost exclusively from Chicago. The plant trade of the season is far ahead of that of recent previous seasons and most of the florists have sold out clean on bedding stock.

#### NOTES.

The Iowa Floral Co. has had a big plant season with a larger call for coleus and salvias than could be readily supplied. Most of the houses have been already cleaned out and are ready for the season's overhauling. The business of the Iowa Seed and Floral Co., according to Mr. Page, for the first five months of this year has exceeded the corresponding period of last year by \$41,000 and he estimates that the business of the year will exceed last year's by fully \$50,000. Mr. Page takes considerable pride in the large "showhouse," or his "playhouse" as he prefers to call it. This resembles a private or park conservatory more than it does a commercial place with its rare and curious tropical plants, its fountain, etc. It has, however, undoubtedly proved a commercial success, as it is one of the recognized show places for the townspeople and sightseers who have any taste for exotic plants and flowers. It has also made possible the sale of many a well grown fern or palm that would not otherwise have sold so readily.

J. S. Wilson is planning a trip to Seattle and the coast early in July. He will return in time to let J. S., Jr., represent the firm at the S. A. F. convention. Mr. Wilson reports his spring business is 35 per cent larger than was the season's business of one year ago. He has been able this year to sell out all plants at retail. Another factor that has helped his business was the opening of a flower stand in the Harris-Emery Department Store in April last. This stand has done a big business from the first. One of the conveniences of his business, as well as a pleasure for leisure hours, is an automobile that is readily convertible from what appears to be an ordinary touring car into either a runabout or a delivery wagon. This explains how a florist

can readily acquire the reputation of possessing three machines, although owning but one.

Jacob F. Marshall devotes his establishment of three houses almost exclusively to carnations and grows for the local market. Like so many carnationists he has yielded to the allurements of the hybridizer and not altogether without profit to himself. A successful red that he originated five years ago he calls Robert Marshall. This is a cross of Mrs. G. H. Crane on Prosperity. This season 4,000 plants are producing freely flowers that average somewhat better than three inches in diameter and with calices not inclined to burst. May Morning is another cross of Mrs. G. H. Crane on Prosperity. This is a variegated carnation that becomes extremely dark in mid-winter. Lawson-Enchantress will be entirely discarded the coming season as there is no call here for that color. Winsor is a good seller.

William Twillo had the big wedding contract last week. This was the marriage ceremony of Miss Harmie Patterson, daughter of Mrs. A. H. Weber, of this city, to A. Ebert, of Wall street, New York. The wedding took place in St. Paul's church. The chancel was banked with palms, ferns and peonies. Peonies were also used for the decoration of the ends of pews. The bride carried a bouquet of lily of the valley, while the bridesmaids carried Killarney roses. The wedding dinner was given at the Chamberlain hotel. The bride's table in the center had a large basket of Killarney roses, while smaller baskets of Killarney decorated the twenty-five smaller tables in the room. Banks of peonies were used in the reception room and a large basket of peonies was the feature of the room in which the presents were displayed.

The Rush Flower Co. moved last week from 206 Sixth avenue to 609 Locust street, where the firm intends to fit up a modern store with a big double window in time for the fall business. The store from which they have just removed was a part of the old building in which was the trolley system's waiting room. On this site a modern office building is to be erected immediately.

The Des Moines Seed Co. will move in the fall from 114 E. Fifth street to 514 E. Locust street. This will provide the firm with a store on the best side of the street in the best block on the east side. H. K. Guthrie, the manager, adds that this move will neces-

sitate the increasing of their facilities for the handling of cut flowers.

Lozier florist shop has just completed a \$500 order for Ingersoll amusement park. Mr. Lozier has just added an auto delivery to his business.

J. Ledig reports a good season's business. Mr. Ledig says he has been a reader of THE AMERICAN FLORIST ever since it was first issued.

A. L. Bebinger, of the Maplehurst Gardens, says he will build a new house, 20x135 feet, this summer.

The Alpha Floral Co. reports a steady seasonable business. H.

### Kansas City.

#### SEASON A BIG ONE.

The present has proved a big season with the local florists. With the advent of real summer weather trade has fallen off, but continues very fair as compared with former years. American Beauty roses have been showing the effects of too much heat and white and pink roses have been short of requirements at times. Carnations have been very plentiful, though prices have been maintained in better shape than usual. Locally grown peonies are over, but peonies are still coming in from the Chicago market. Sweet peas have sold very well up to within the past few days.

#### NOTES.

Samuel Murray returned last week with Arnold Ringier, of Chicago, from a trip to Excelsior Springs, Mo. Mr. Murray reports an unusual sale of orchids this season. Not only have cattleyas been extensively used in various functions, but for street wear as well. This tendency has been encouraged by liberal displays in the window. A tropical window of cattleyas growing from the bark as in their native woods in conjunction with pineapples, caladiums, etc., was very effective the past week.

Joseph Austin is planning to secure additional room by building later in the season a lean-to, 9x103 feet. Mr. Austin has been suffering the past three years from a severe attack of rheumatism, but is now able to get around to somewhat better advantage. The plant business has been exceptionally good with him this season and the cut flower trade at his store has kept up much better than usual.

The Geo. M. Kellogg Flower & Plant Co. suffered the loss of 500 panes of glass from hail and wind June 14. A big crop of sweet peas is on at this place. No new building is planned for

# A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House  
 66 E. Randolph Street, Phone Central 1496. CHICAGO  
**Everything in Cut Flowers and Supplies.**

## Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

## E. C. AMLING CO.

THE LARGEST,  
 BEST EQUIPPED,  
 MOST CENTRALLY LOCATED  
 WHOLESALE  
 CUT FLOWER HOUSE  
 IN CHICAGO.

68-70 E. RANDOLPH STREET  
 CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

## ROSES

White and Pink Killarney and Richmond  
 Roses. Red, White and Pink Carna-  
 tions. Callas, Sweet Peas, and  
 Greens of all kinds.

**W. E. Trimble Greenhouse Co.**  
 Princeton, Ill.

Mention the American Florist when writing

"The Busiest House in Chicago."

## J. B. DEAMUD CO.

Wholesale Florists

160 N. Wabash Ave., CHICAGO

PHONES } Central 3155  
 } Automatic 44-389

Mention the American Florist when writing

this season, but several houses will be rebuilt.

Henry Kusick & Co., wholesale cut flowers and supplies, report having received very good support from the local trade in the eight months the firm has been located in this city.

L. C. Fields, of Kansas City, Kans., says he had easily twice as many bedding plants this season as ever before and had it all moved by the first of the present month.

The season's business was reported very satisfactory at L. N. Orear's. Mr. Orear was spending a week-end at Stillwater, Kans., fishing.

Your correspondent found E. D. Ellsworth exceedingly busy with the usual Saturday rush as well as with a big funeral order.

P. Larkins is a florist who has located recently at 215 E. Twelfth street. L.

# J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY WHOLESALE  
 and CARNATIONS Grower of **CUT FLOWERS**  
 A Specialty.....

## HOERBER BROS

Wholesale Growers of Cut Flowers

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Avenue, CHICAGO

## Wholesale Flower Markets

| CHICAGO, June 26.               |       | Per doz. |
|---------------------------------|-------|----------|
| Roses, Beauty, specials.....    | 3 50@ | 4 00     |
| " " 36-in.....                  |       | 3 00     |
| " " 30-in.....                  |       | 2 50     |
| " " 24-in.....                  |       | 2 10     |
| " " 15-20-in.....               | 1 25@ | 1 50     |
| " " 12-in.....                  | 75@   | 1 00     |
| " " Short.....                  |       | Per 100  |
| " Killarney.....                | 4 00@ | 8 00     |
| " White Killarney.....          | 3 00@ | 8 00     |
| " Richmond.....                 | 3 00@ | 8 00     |
| " Prince de Bulgarie.....       | 4 00@ | 10 00    |
| " Mrs. Aaron Ward.....          | 4 00@ | 10 00    |
| " My Maryland.....              | 3 00@ | 8 00     |
| " Melody.....                   | 4 00@ | 10 00    |
| " Bride.....                    | 3 00@ | 8 00     |
| " Bridesmaid.....               | 3 00@ | 8 00     |
| " Mrs. Jardine.....             | 3 00@ | 8 00     |
| " Kaiserin Augusta Victoria     | 3 00@ | 8 00     |
| Carnations.....                 | 1 50@ | 3 00     |
| Callas..... per doz.,           | 1 50@ | 2 00     |
| Cattleyas..... per doz.,        | 6 00  |          |
| Cape Jasmine.....               |       | 1 00     |
| Daisies.....                    | 1 00@ | 2 00     |
| Feverfew..... per bunch,        | 35@   | 50       |
| Gardenias.....                  |       | 3 00     |
| Gladioli..... per doz.,         | 75@   | 1 00     |
| " Baby.....                     | 3 00@ | 4 00     |
| Lillium Harrison..... per doz., | 1 50  |          |
| Marguerites.....                | 1 00@ | 1 50     |
| Mignonette.....                 | 1 00@ | 1 50     |
| Spanish Iris.....               |       | 4 00     |
| Stocks fancy..... per doz.,     | 59@   | 1 00     |
| Sweet Peas.....                 | 50@   | 1 00     |
| Peonies.....                    | 2 00@ | 5 00     |
| Valley.....                     | 2 00@ | 4 00     |
| Adiantum Croweanum.....         |       | 1 00     |
| Ferns..... per 1000,            |       | 2 00     |
| Galax.....                      | 1 25  |          |
| Leucothoe.....                  |       | 75       |
| Plumosus String..... each,      | 60    |          |
| Smilax..... per doz.,           | 2 50@ | 3 00     |
| Sprengeri, Plumosus Sprays..... | 3 00@ | 4 00     |

SALEM, N. J.—A new florist establishment known as the "Linfield Gardens" has been started on the Beasley Neck road near Quin.on. The firm will make a specialty of flowering plants and shrubs.

## Percy Jones

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

## Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

## Kyle & Foerster

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## WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

# Field Grown Carnation Plants

All The New and Best Commercial Varieties

SEND FOR COMPLETE LIST AND QUOTATIONS.

THE LEO NIESSEN CO., Wholesale Florists, Philadelphia, Pa. N. W. Cor. 12th and Race Sts.,

**Philadelphia.**

**SUMMER WEATHER.**

We are having summer weather in keeping with the season. Summer-time flowers are seen in all the stocks. The delphiniums are perhaps the choicest, their beautiful shades of blue being unique and unusual. Coreopsis, gaillardia and cornflower are seen in quantity. Dorothy Perkins roses in sprays and branches have been a feature and were prominent in several large decorations. The old reliables—lily of the valley, cattleyas and Easter lilies—are in stock, the supply being quite equal to the demand, as is the case with the summer rose stock.

**NOTES.**

The summer outings have begun. Commodore John Westcott threw open the hospitable doors of his club house on the shores of Barnegat Bay, at Waretown, N. J., Friday, June 21. The following were his guests: John Burton, George C. Watson, Wm. J. Stewart, John Flood (all of whom came down in Mr. Burton's auto), David Rust, Henry F. Mitchell, D. C. Donoghue, George Craig, John K. M. L. Farquhar, Wm. F. Gude, his son Ernst, Wm. Westcott, James Dean, George Anderson, Robert Kift and John McKinney. After the raising of the flag the inspection of the farm and meadows which flank the bay for half a mile was in order and showed everything to be in fine condition. There is magnificent woodland and in the meadows wild flowers are seen in the greatest abundance. The native wild rose, covered with its beautiful pink single blossoms, as charming as the best of the cultivated varieties, was seen in large and small groups of plants that were masses of color.

A number of tamarix trees sent on as ornaments for the club house lawn by Wm. R. Smith of Washington were dedicated and labeled at his request in honor of the guests of last season who were present with Mr. Smith when they were planted. A telegram was received in deep sorrow from Washington on Saturday which said that this grand old chief of horticulture was expected to pass away at any time.

Two days spent at this peaceful spot is a cure for all kinds of ills and troubles of all sorts vanish like the morning dew. Sports of all kinds as well as motorboat rides in the beautiful bay kept the party busy, and Sunday afternoon, when the return to the city was made, came all too soon. Long live Commodore John Westcott.

Congratulations are extended to the former president of the Florists' Club, Thos. B. Meehan, who has been elected president of the American Association of Nurserymen. A great honor for Mr. Meehan and also for the association.

Walter P. Stokes is attending the seedsman's convention in Chicago. Tom Potts, Mr. Stokes' city salesman, says they have completed the potting of the table ferns, a block of 50,000 which will be ready about October 1.

Joseph Heacock is attending the democratic convention in Baltimore this week. He is a pronounced progressive in business and a firm believer in the same kind of government policies.

Splendid Cattleya Gaskelliana are seen at the establishment of the Jos.

## Wholesale Flower Markets

| PITTSBURGH, June 26.           |       | Per 100     |
|--------------------------------|-------|-------------|
| Roses, Beauty, special.        | ..... | 25 00       |
| " " extra                      | ..... | 12 00@25 00 |
| " " No. 1                      | ..... | 6 00@10 00  |
| " Bride, Bridemaid             | ..... | 2 00@ 4 00  |
| " Chateau                      | ..... | 2 00@ 4 00  |
| " Killarney                    | ..... | 2 00@ 4 00  |
| " My Maryland                  | ..... | 2 00@ 4 00  |
| " Richmond                     | ..... | 2 00@ 4 00  |
| Carnations                     | ..... | 1 50@ 2 00  |
| Cattleyas                      | ..... | 50 00       |
| Lilium Longiflorum             | ..... | 10 00@12 00 |
| Lily of the Valley             | ..... | 4 00        |
| Oncidiums                      | ..... | 3 00@ 4 00  |
| Sweet Peas                     | ..... | 50          |
| Violets, single                | ..... | 50          |
| " double                       | ..... | 50          |
| Adiantum                       | ..... | 1 50@ 2 00  |
| Asparagus Sprengeri, per bunch | ..... | 35          |
| sprays, ....per bunch          | ..... | 35          |

| PHILADELPHIA, June 26.   |       | Per 100     |
|--------------------------|-------|-------------|
| Roses, Beauty, extra     | ..... | 20 00@25 00 |
| " first                  | ..... | 8 00@12 00  |
| " Brides and Maids       | ..... | 4 00@10 00  |
| " Killarney              | ..... | 4 00@15 00  |
| " White Killarney        | ..... | 4 00@15 00  |
| " Liberty                | ..... | 4 00@15 00  |
| Callas                   | ..... | 8 00@10 00  |
| Cattleyas                | ..... | 35 00@50 00 |
| Gardenias, ....per doz.  | ..... | 1 00@2 00   |
| Lilium Harrison          | ..... | 8 00@10 00  |
| Lily of the Valley       | ..... | 3 00@ 5 00  |
| Marguerites              | ..... | 75@ 1 00    |
| Mignonette               | ..... | 3 00@ 4 00  |
| Peonies                  | ..... | 6 00@12 00  |
| Snapdragons              | ..... | 8 00@12 00  |
| Sweet Peas               | ..... | 50@ 1 00    |
| Adiantum                 | ..... | 1 00@ 1 50  |
| Asparagus, ....per bunch | ..... | 50          |
| Smilax                   | ..... | 15 00@20 00 |

Heacock Co. daily. Their crop of white and pink Killarney is also of good quality.

H. Bayersdorfer and wife are sending beautiful postcards from the various cities through which they are passing on their trip abroad.

S. S. Pennock-Meehan feature water lilies and carry a large stock for summer store decoration. Fine larkspur are also seen here.

American Beauty roses and sweet peas are features with the Leo Niessen Co. The best in their class are seen here. K.

**Wichita, Kans.**

**TRADE MUCK QUIETER.**

Business since Memorial Day has been about up to the usual mark for the season—a decided letting up from the strenuousness of the month preceding that date. There has been about the usual crop of June weddings, with probably fewer good jobs for the florist than last year. Funeral work has been fairly steady. Carnations have held up well, thanks to the favorable season. But they are now rapidly approaching the stage where they will not be worth watering and picking. From a weather standpoint the present season is the best for several years. Bedding stock has done well as a rule, and the favorable conditions have been a valuable help in encouraging the buying public to make another effort in spite of the disheartening recollections of last year. A splendid rain recently continued the good crop conditions, and consequently gives promise of good business for next season. The outdoor insect pests have been more than

## EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio Pittsburgh, Pa.

Mention the American Florist when writing

## Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Mention the American Florist when writing.

## Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

usually troublesome this season. Cut worms, green and brown aphid have caused much damage.

**NOTES.**

There is a new violet on the list named "Wichita." Mr. F. Kuechenmeister is the introducer. He has had it in cultivation for several years, working up a stock, and giving it a thorough trial. He claims for it all the good points of both Herrick and Wales and that it will beat them both for quality and quantity. The personal observation of the writer the past season verifies this claim so far as to quality. The quantity we had no record of.

W. H. Culp & Co. have been fighting to save their out-door sweet peas from the green aphid, which nearly ruined them before they were beaten. They are also having to fight the webworm from their carnation field.

This week the smiling countenance of "Sprinkleproof Sam" Seligman was in evidence, calling upon the trade in the interests of Wertheimer Bros. He reports good business.

H. A. Hall, one of the successful florists of Joplin, Mo., was a visitor last week. Also A. M. Saunders, representing S. S. Skidelsky & Co., of Philadelphia.

Chrysanthemum planting is the program now. The quantity planted will be about as heretofore.

F. Kuechenmeister is building a showhouse for palms, ferns, etc.

Chas. P. Mueller plans to erect another good sized house for mums. W. I. CHITA.

RED BANK, N. J.—A summer flower show to last several days will open at Asbury Park, July 3. More than \$2,000 in prizes will be awarded. Preparations for the show have been under way since December.

# C.C. POLLWORTH CO.

MILWAUKEE'S  
LEADING PLANT,  
CUT FLOWER AND  
FLORIST SUPPLY  
HOUSE.

## HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,  
Tulips, Peonies, Lilies,  
AND ALL OTHER  
CUT FLOWERS and GREENS

### Montreal.

FROST, COLD RAINS, CATERPILLARS.

Bedding plants again sold out this year; at times growers were afraid that there would be a serious shortage and consequently began to buy stuff, but found it exceedingly hard. Early customers' orders had to be filled twice in many instances, the plant having been killed by frosts as late as June 7. Serious frosts were reported with heavy continuous cold rain. Very little growth so far has been made. Fruit trees had a fair chance for finishing the blossoming, when an invasion of caterpillars appeared and stripped them bare. This is the worst plague in the memory of the oldest inhabitants. Trade in the retail stores has been very brisk and the demand is larger than the supply. The newly established wholesale place called the "Montreal Floral Exchange" is trying to rectify this, but how far it will succeed the future alone will tell. Last week the closing of the schools brought forth extra demands and adding to the always present call for funeral work, everybody found relief by the closing of the bedding season.

### NOTES.

The committee on arrangements for the coming convention of the Canadian Horticultural Association held a session at the President's home and the official program was completed. The trade exhibit will be looked after by Geo. A. Robinson, who will be glad to look after the needs of any one who wants space. Montreal offers the best advantages in Canada for intending exhibitors. The dates of the Convention will be August 6-9.

At the last meeting of the Montreal Gardeners and Florists' Club the whole staff of the Montreal Floral Exchange were added to the membership. The annual picnic will be held at Maple Grove, July 17, arrangements of which are completed. E. Hibbs was prevented from being present with his essay on roses and the time was filled with the question box.

Death has claimed the wife of Tim Martel and the sorrowing husband has the sympathy of the whole craft extended to him.

John Dunbar is convalescent after a severe illness. L.

### Washington.

#### BUSINESS STILL QUIET.

Business continues quiet but some of the florists find diversion in politics and baseball. Most of the eat-'em-alive celebrities of the democratic party are now in Baltimore and it does not cost much to go over, walk around the hotel lobbies and make an effort at looking wise. Stock continues to be as good as can be expected at this season. The Killarney roses are rather poor and there is a preference for Radiance in pink and Kaiserin

## GUST. RUSCH & CO.



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Phone Main 1245. P. O. Box 208.

448 Milwaukee St., Milwaukee, Wis.

Mention the American Florist when writing

### Wholesale Flower Markets

MILWAUKEE, June 26.

|                            |           |      |
|----------------------------|-----------|------|
| Roses, Beauty...per doz.   | 75@       | 3 00 |
| " Killarney.....           | 3 00@     | 8 00 |
| " Richmond.....            | 3 00@     | 8 00 |
| " White Killarney.....     | 3 00@     | 8 00 |
| Carnations.....            | 1 00@     | 3 00 |
| Daisies.....               | 50@       | 1 00 |
| Lilium Giganteum.....      | 1.25 doz. | 8 00 |
| Peonies.....               | 3 00@     | 4 00 |
| Sweet Peas.....            | 50@       | 1 00 |
| Swinsona...per bunch.      | 35        |      |
| Asparagus.....per string.  | 50        |      |
| Sprengeri, per bunch.      | 35        |      |
| Ferns, Fancy.....per 1000. | 2 00      |      |
| Galax.....per 1000.        | 1 50      |      |
| Smilax.....per doz.,       | 2 00      |      |

for white. The American Beauties are of course dependable stock at this season. There is yet a fair quality of carnations. Good stock of the gladiolus America is now being cut in greenhouses. Cold storage peonies continue to come in from northern points. The most noteworthy outdoor stock now on the market is hydrangea arborescence, the variety introduced by E. G. Hill several years ago. It is made very useful in funeral work.

### NOTES.

Geo. Field, in addition to being the "orchid king" of Washington, has had a new honor thrust upon him; he is at Baltimore as a delegate to the democratic convention. We sincerely hope that he does not get run over by the steam roller, for he is a useful citizen when he is at home. Incidentally it may be mentioned that this season he is planting another house with the rose Radiance.

Truman Lanham, superintendent of street parking, says that the trees destroyed by the gale of June 16 will be replaced in the fall. This applies only to the trees along the streets which are under the supervision of the District Commissioners. The trees and all that pertains to the parks are under the department of war.

Albert Schnell of the Florists' Exchange says that business is fair.

## RICE BROTHERS

Wholesalers of Cut Flowers  
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

### Seattle Cut Flower Exchange

Removed to  
1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers Greens,  
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr  
Mention the American Florist when writing

Just now he is handling good stock of lily of the valley and the usual run of seasonable flowers.

At Geo. H. Cooke's we recently noticed fine stock of the Spirea Anthony Waterer, also flowering privet.

Wm. F. Gude attended John Westcott's opening at Wareham, last week. A. F. F.

### Dallas, Tex.

Seth Miller has bought out E. H. R. Green's interest in the Green Floral Co. Mr. Miller was formerly with the Texas Seed & Floral Co. and later bought the Haskell Avenue greenhouses, selling them in turn to the Green Floral Co. Desiring to get back into the greenhouse game again, he has again acquired this property as well as the more extensive establishment located on the Kaufman road. Mr. Corley has severed his connection as sales manager.

The Texas Seed & Floral Co. will open an up-to-date flower store in the new 22-story Adolphus hotel. This will have plate glass windows on the two sides looking into the hotel lobby as well as in front. No ice will be used, glass cases being cooled by brine from the hotel plant. L.

# Young Rose Stock WELCH BROTHERS,

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock. WRITE FOR PRICES.

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland, and other seasonable stock.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.  
Asparagus Sprengerii seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

Boston.

BUSINESS CONTINUES GOOD.

There is nothing to complain about in regard to business conditions. There are no high prices but the cleanup has been satisfactory and business still shows a healthy trend. The market on all kinds of stock is about the same as last week. Peonies are in the last ditch. Asters have made their appearance, H. W. Vose, of Hyde Park, being the first in the market with that flower.

NOTES.

P. Donahue, of the Boston Rose Co., showed us some of the inside workings of the office. A record is kept of each man's goods, the number of each kind is recorded in black ink and the price is carried opposite in red ink. An average is given the grower for each variety along with the price received and total, making a lasting record to which he can refer at any time and an easy way to keep tab on any variety that does not keep up to top notch. Besides this, reports are often sent out every day and not less than three times each week. Welch Bros. use about the same system. There is a general satisfaction in sending to houses like those that the grower like any other business may know where he stands. Mr. Donahue showed us some nice American Beauty roses from the F. R. Pierson Co.'s place at Briar Cliff Manor, N. Y.

Business and banking conditions show a healthy sign in New England and show that the people don't care very much who's nominated or elected. For the week ending June 5, building contracts awarded New England amounted to \$85,615,000, an increase of \$16,770,000 over figures for the corresponding period of last year and an increase of \$31,848,000 over those of 10 years ago. The increase in bank deposits for the past two weeks in Boston was \$26,000,000, which is a record of any two weeks in the history of the city. The pessimist and the politician may howl that the country is going to the dogs but the common sense business men are keeping right on and piling up records which knock all theories and presidential years into nothing and, of course, all this means a healthier trade to the florist business.

Natick seems to have taken on the rose craze through the Commercial Club of that town. Alex Montgomery gave each child in the public school a rose plant, that started it. A general array of people came to the greenhouses as the plants were being taken out. All kinds and conditions of people and all kinds of conveyances, from grandpa's wheelbarrow to the 1912 auto. The plants were given free and Mr. Montgomery feels that it is casting bread upon the waters. James Wheeler, of the same town, offers a silver cup to the children of the public schools for the best grown sweet peas. Verily, we are in a flower uprising.

We are pleased to state that, on the request of the New York Florists' Club to our Gardeners' and Florists' Club, a committee has been formed to co-operate on the matter of flower publicity. This shows a step forward and we are pleased to know that our city has at last awakened and got to business. The committee, W. H. Elliott, W. J. Stewart, P. Welch, Henry Penn

## Wholesale Flower Markets

| BUFFALO, June 26.      |                  | Per 100 |
|------------------------|------------------|---------|
| Roses, Beauty, special | 20 00@25 00      |         |
| "    fancy             | 15 00@20 00      |         |
| "    extra             | 12 00@15 00      |         |
| "    No. 1             | 8 00@10 00       |         |
| "    No. 2             | 3 00@ 5 00       |         |
| Bon Silene             | 2 00@ 3 00       |         |
| Maid and Bride         | 3 00@ 6 00       |         |
| Pink Killarney         | 3 00@ 8 00       |         |
| White Killarney        | 3 00@ 8 00       |         |
| Richmond               | 5 00@ 8 00       |         |
| My Maryland            | 3 00@ 6 00       |         |
| Kaiserine              | 3 00@ 8 00       |         |
| Carnot                 | 4 00@ 7 00       |         |
| Carnations             | 1 50@ 2 50       |         |
| Callas                 | 6 00@ 8 00       |         |
| Iris                   | 1 50@ 2 00       |         |
| Lilium Longiflorum     | 7 00@10 00       |         |
| Lily of the Valley     | 3 00@ 4 00       |         |
| Mignonette             | 2 00@ 3 00       |         |
| Peonies                | 3 00@ 5 00       |         |
| Swainsona              | 50@ 1 00         |         |
| Sweet Peas             | 50@ 1 00         |         |
| Adiantum Crowneum      | 75@ 1 50         |         |
| Asparagus, per bunch   | 35@ 50           |         |
| Asparagus Sprengerii   | 35@ 50           |         |
| Ferns                  | per 1000, \$2 50 |         |
| Galax                  | per 1000, \$1 50 |         |
| Smilax                 | 15 00            |         |

| BOSTON, June 26.            |             | Per 100 |
|-----------------------------|-------------|---------|
| Roses, Beauty best          | 20 00@25 00 |         |
| "    medium                 | 12 00@20 00 |         |
| "    culls                  | 1 00@ 2 00  |         |
| "    Bride, Bridesmaid      | 2 00@ 6 00  |         |
| "    Extra                  | 2 00@ 6 00  |         |
| "    Killarney and Richmond | 2 00@ 8 00  |         |
| "    My Maryland            | 2 00@ 8 00  |         |
| "    Carnot                 | 6 00@12 00  |         |
| Carnations, select          | 1 00@ 2 00  |         |
| Callas                      | 8 00@12 00  |         |
| Cattleya                    | 35 00@50 00 |         |
| Gardenias                   | 6 00@12 00  |         |
| Lilium Longiflorum          | 4 00@ 8 00  |         |
| Lily of the Valley          | 2 00@ 4 00  |         |
| Mignonette                  | 3 00@ 6 00  |         |
| Narcissus, yellow           | 1 00@ 3 00  |         |
| "    white                  | 1 00@ 3 00  |         |
| Sweet Peas                  | 25@ 75      |         |
| Smilax                      | 12 00@16 00 |         |
| Snapdragon                  | 6 00@ 8 00  |         |
| Spiraea                     | 2 00@ 3 00  |         |
| Stocks                      | 2 00@ 4 00  |         |

and F. E. Palmer, are all well known to the trade and we feel the matter has been placed in good hands and hope the seed thus sown will develop large benefits to the florists at large.

Mme. Chas. Russell, as seen in some of the Boston stores, shows it to be a summer as well as a winter rose. The flower has got a good body and the color is still there.

The genial David Welch left June 25, on the Cunard line for the old country on a business trip and also to recuperate his health. MAC.

### Cincinnati.

TRADE TAKES "SPURT."

The first day of this week was very good. All the early receipts cleaned up quickly, also a few that held over from last weeks' close. Even carnations did well and were in demand. While business has been pretty fair this was probably only a "spurt" due to a general replenishing by local retailers. Last week stock sold fairly well. About the only real exception was the case of lilies and that was because the supply was so very large. The choice clean roses, particularly white, are selling well. The same is true of Beauties. White carnations prove very good property, while others do not sell up quite as well, owing to large offerings. This easy carnation

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

**WM. F. KASTING CO.** Wholesale Commission Florists,  
BUFFALO, N. Y.  
Florists' Supplies and Wire Designs.

market has kept such new flowers as asters cleaning up at sight, for the demand seems reluctant to leave carnations as long as they are as good as at present. Gladioli are finding a good market. Sweet peas are excellent and sell nicely. Orchids and valley sell up each day. Other offerings include nymphaeas, corn flower, coreopsis, etc. The green goods demand is good and there is an ample supply to meet all demands.

NOTES.

Joe Maunders, the Newport florist, had a lucky escape one evening last week. His machine skidded on a turn against the curb, throwing out the occupants, all of whom escaped injury, however.

The outing committee is busy making arrangements for the annual outing to be held at Coney Island Thursday, July 18.

C. E. Critchell has been selling new sphagnum as fast as he gets it in.

J. M. McCullough's Son's Co. have been receiving very choice Beauties.

Visitors are: Mr. and Mrs. Myer Heller, Newcastle, Ind. H.

### Rochester, N. Y.

Closing exercises at the public schools have kept the florists of this city very busy this week. There has also been plenty funeral work which cleans up all kinds of cut flowers. The sale of bedding plants is gradually decreasing and the season for them will soon be at an end. Geraniums, coleus and cannas are about the only plants to be seen in front of the stores now. Peonies are being cut in large quantities and are moving slow at low prices. Carnations are plentiful, but show the effect of warm weather. There is an abundance of roses on the market at present, American Beauties being very good. C. G.

NEW BEDFORD, MASS.—The New Bedford Horticultural Society held a free peony show June 18. A silver cup was among the awards.

ST. PAUL, MINN.—The annual meeting of the State Horticultural Society, held in connection with the Minnesota State Garden Flower Association, took place June 15 at Excelsior, and was in the form of a picnic. A bronze statue to Peter Gideon, originator of the Wealthy apple, was unveiled on the Gideon farm on Lake Minnetonka.



# EASTER LILIES

All year round grown by  
**Hoffmeister Floral Co.**  
 Lickrun, Cincinnati, Ohio

**Buffalo.**

**EVERBODY BUSY.**

The past two weeks have been very busy for all, from the retail stores, which have been rushed with weddings, commencements and funerals, to the greenhouses, which have been unusually busy with planting. The cold weather in May retarded the operations of the greenhouse men and this makes all the more work to do now. The weather the last week has been very good, rather cooler than wanted, but fair the last two days and warming up very much. Stock has been equal to all demands. Roses, Killarney and Beauties sold well, while Carnations have been plentiful but rather small. Peonies have played an important part in decorations. Sweet peas and bachelor buttons have been very much in demand. This week will end it all and from July 1 things will be quiet. The only part of the business remaining active will be the expense account, which is always busy every day in the year.

**NOTES.**

Private residences with verandah boxes, box trees and large pots of geraniums are now very attractive here. Flower beds in all the small parks and at the large parks are looking good. Daily band concerts by the park band in the different parks will start this week. It might almost be called Kasting's band, as Park Commissioner Kasting is a hard worker for the band concerts.

Alterations in Washington market by the city will necessitate the market florists securing other quarters temporarily. The improvements will be very beneficial, however, to the florists, as they will be in more modern stands with cooling boxes and all conveniences.

Many are preparing for vacations. The convention of the S. A. F. will have a larger delegation from Buffalo this year than usual if all go that have signified their intentions of doing so.

There is some talk of a florists' picnic, and a committee has been appointed to make arrangements. **BISON.**

**Cleveland.**

**WATER LILIES COMING IN.**

Water lilies are arriving in large quantities, and their uses are as varied as that of any other flower grown under glass, both in white and in colors. Sweet peas are in good supply, all colors with the possible exception of lavender, of which color there is quite often a scarcity. Valley has sold well all month as has adiantum fern. Peonies, mostly storage stock, are in good demand. Carnations are nearly out of crop with most growers now and will be shorter in supply, and prices will no doubt stiffen somewhat from now on. Easter lilies have a fair call. Snapdragon, delphinia, larkspur, Canterbury bells, etc., clean up daily. Coreopsis and daisies are very abundant. Southern gladioli was shipped into this market the past week. Orchids were in good demand the past week. Roses of all kinds are cleaning up daily and stock is exceptionally fine for this time of the year. American Beauties are in good supply. Good fancy eastern fern are on the market. Other greens are plentiful.

## Wholesale Flower Markets

**CINCINNATI, June 26.**

|                                     |                        |            |
|-------------------------------------|------------------------|------------|
| Roses, Beauty.....per doz.,         | 50@                    | 3 00       |
| "                                   |                        | Per 100    |
| "                                   | Bride, Bridesmaid..... | 2 00@ 8 00 |
| "                                   | Killarney.....         | 2 30@ 8 00 |
| "                                   | My Maryland.....       | 2 00@ 8 00 |
| "                                   | Perle.....             | 2 00@ 8 00 |
| "                                   | Richmond.....          | 2 00@ 8 00 |
| "                                   | Taft.....              | 2 00@ 8 00 |
| Carnations.....                     |                        | 2 00       |
| Lilium Giganteum.....               | 8 00@                  | 10 00      |
| Callaa.....                         | 8 00@                  | 10 00      |
| Gladiol.....                        | 2 00@                  | 8 00       |
| Lily of the Valley.....             | 3 00@                  | 4 00       |
| Sweet Peas.....                     | 35@                    | 50         |
| Adiantum.....                       |                        | 1 00       |
| Asparagus Plumosus.....per bunch,   | 25                     |            |
| Asparagus Sprengerii.....per bunch, | 25                     |            |

**ST. LOUIS, June 26.**

|                                  |                        |            |
|----------------------------------|------------------------|------------|
| Roses, Beauty, medium stems..... | 25 00@                 | 30 00      |
| "                                | short stems.....       | 2 00@ 4 00 |
| "                                | Bride, Bridesmaid..... | 3 00@ 4 00 |
| "                                | Killarney.....         | 3 00@ 6 00 |
| "                                | My Maryland.....       | 3 00@ 6 00 |
| "                                | White Killarney.....   | 2 00@ 6 00 |
| Carnations.....                  | 1 50@                  | 2 00       |
| Callaa.....                      | 6 00@                  | 8 00       |
| Baster Lilies.....               |                        | 10 00      |
| Peaa.....                        | 40@                    | 60         |
| Valley.....                      | 3 00@                  | 4 00       |
| Asparagus Sprengerii.....        | 2 00@                  | 3 00       |
| Asparagus Plumosus.....per bu.,  | 35@                    | 60         |

**NOTES.**

Otto H. Hart, son of Herman A. Hart, retired florist, was married to Miss Helen Peffers on Thursday, June 20, at the home of the bride's parents on Clifton Boulevard. The floral decorations were magnificent.

Henry Heape and brother and family motored to Cleveland on Sunday from Akron, Ohio.

Ben Hart has made arrangements to motor to the Chicago Florists' Convention in August. **B.**

**Nassau County Horticultural Society.**

The regular monthly meeting of this society was held at Pembroke Hall, Glen Cove, on June 12, President Johnston in the chair. Communications were read from Wm. Duckham, Madison, Rob Angus, Tarrytown, and H. Nicol, Yonkers, accepting invitations to act as judges at the chrysanthemum (fall) exhibition. There was one petition for active membership. The judges for the evening's exhibits were Messrs. Mackenzie, MacQueen, and Holloway, and the awards were as follows: 12 hardy roses, first, F. O. Johnson; 12 strawberries, first, F. O. Johnson; extra, 1 vase roses, La France, first, C. C. J. Everatt; 2 cucumbers, H. M. J. Everatt; 3 lettuce, H. M. F. Petroccia; sweet peas, C. C. H. Baettched. Prizes for the fall show were received from Glen Cove, Echo and Miss Peck of Glen Cove. A. Herrington, Madison, read an instructive essay on outdoor horticulture. Mr. Herrington was accorded a unanimous vote of thanks. Other visitors were Messrs. Ebels and Sperling. The society offers prizes at the next meeting for 25 sprays sweet peas, white, the same number in pink and the same number in any other color.

**JAMES MACDONALD, Sec'y.**

**SEATTLE, WASH.**—The store of Sandahl & Sons of this city was slightly damaged by fire recently.

—THE—  
**J. M. McCullough's Sons Co.,**  
 Wholesale Commission Florists.  
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 Special attention given to Shipping Orders.  
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 Price List on Application.  
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**Fresh Cut Valley**  
 AT ALL TIMES  
**C. A. KUEHN,** Wholesale Florist,  
 1312 Pine St., **ST. LOUIS, MO.**  
 A Complete Line of Wire Designs.

**THE MUNK FLORAL CO.**  
 Wholesale Growers of CUT  
**FLOWERS and Jobbers of**  
**FLORISTS' SUPPLIES.**  
**Columbus, Ohio**

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 Consignments Solicited  
 Complete Stock of Florists' Greens and Supplies

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**Special Low Price**  
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 Per dozen.....\$10.50  
 half dozen..... 5.25  
 Each..... 1.00  
 Get our list of other supplies.  
**GEO. H. ANGERMUELLER,**  
 Wholesale Florist,  
 1324 Pine Street, **ST. LOUIS, MO.**

## New York.

## SUPPLY EXCEEDS DEMAND.

There is no change for the better in the wholesale cut flower market. With few exceptions stock of all kinds is of very good quality and the supply far exceeds the demand. The board of education is rigidly enforcing the rule against the giving of flowers in the public schools. In some sections of the city the street men have been prohibited from selling, which cuts off another important outlet for the surplus which seems to get greater from day to day. Carnations, while not quite so plentiful, are moved at prices so low that in many cases they do not bring the express charges. The very best have been sold in many cases at twenty-five cents per hundred. Roses show the effect of the weather and it is only for a few small sales that a good price is obtained. Brides and Bridesmaids are still the most unsatisfactory varieties to sell, especially the extras, fancies and specials, but when these grades are placed with the number ones and twos they clear out as well as the others. There seems to be the same steady demand for the roses that are not so plentiful, such as Chatenay, Bulgarie, Aaron Ward and My Maryland. The quality of Richmond and Killarney is not so good. American Beauty is doing well, but this refers only to the very best quality as there are large lots of long stemmed flowers in the market that have good foliage but the blooms in many cases are no larger than a Killarney. Sweet peas are very much in oversupply and have accumulated with all dealers. Lilies are of very fine quality and very plentiful. Gardenias also have increased in supply very much and as usual there is only call for a few of the very best flowers. If anything the orchid market is slowly improving and the quantity of blooms arriving is much less. This, with a very healthy demand, will permit the dealers in these flowers to clear out to a little better advantage. There is no change in the quotations on lily of the valley. The peonies, with the exception of those coming from cold storage, are very poor. There is an abundance of outside flowers of all kinds.

Monday noon, June 24.—Stock of all kinds is plentiful. Prices are low and the market is very inactive.

## NOTES.

The sixth annual outing of the Greek-American Florists' Association at Wetzels Point Grove, Long Island, will be run off on a more elaborate scale than ever. The committee—J. J. Carlatas, Demetrius Sateriades, G. Rontiris, Nicholas Lecakes, P. Velotas and S. Chaugouris—are untiring in their efforts to make this excursion and outing a grand success. Tickets can be had from N. Lecakes, 53 West Twenty-eighth street.

William Duckham, Arthur Herrington, William Tucker, John Young, Mrs. Harry A. Bunyard and Miss Helen Totty acted as a reception committee on Sunday. While the baggage was being examined the committee had an opportunity of getting a hasty look at the beautiful silver cup won by Mr. Tracy at the International Exposition. All of the party are enthusiastic about the Exposition and the good time they had.

Meyer Othile of Badgley, Reidel & Meyer, purposes to publish a book entitled the "Ups and Downs of the Wholesale Business for the Past Twenty Years." No one is more competent to prepare this work than Mr. Othile, and the book should be most interesting. The author will publish in this work photos of the buyers whom he has met during this period.

**ALL ABOARD!****New York Florists' Club Outing!**

Tuesday, July 2, 1912

**\$500 in Prizes**

To be the greatest ever held in the history of the Club.

**New Innovations! Novel Entertainment!****Prizes for Everybody! Pleasant Surprises****in Store for All. :: :: Don't Miss It!**

Steamer "ISABEL" leaves foot of East 24th St. 10 a. m.

**PHILIP F. KESSLER, - Chairman**

A large stock of Bay Trees, Boxwoods, Rhododendrons, Azaleas, Roses, Evergreens, Climbing Vines, etc., on sale at our new William Street Show and Salesroom. Inspection invited.

**P. H. GOODSSELL W. E. MAYNARD**  
 Manager Sales Department  
 200 Broadway, NEW YORK CITY 157-159 William St. (Basement)

Frank H. Traendly, 131 West Twenty-eighth street, chairman of the Transportation Committee, requests all those who intend going to the convention from the East to communicate with him at once. Everything looks very favorable to a large attendance and a pleasant trip.

Mrs. A. M. Henshaw has returned from Pittsburg, completely recovered from the serious operation she underwent some months ago. She will be busy from now on superintending the erection of the new bungalow at South Orange, N. J.

Philip F. Kessler, chairman of the outing committee, has just completed a month's duty as a juror in the supreme court, Long Island, and is now making the final arrangements for the annual picnic of the New York Florists' Club.

More prizes have been given than at any previous affair and the advanced sale of tickets is larger. If Tuesday should be a fine day the attendance will be larger and the affair will be a huge success.

The party that came to New York Saturday to meet Charles H. Totty, Harry A. Bunyard and B. Hammond Tracy and Mrs. Tracy, returned home disappointed. The "Campania" did not arrive until 9 o'clock Sunday morning.

H. E. Bates, of the King Construction Co., reports contract closed with Harry Seamon, Far Rockaway, L. I., for three houses connected, 25x100, with a service building attached, 12x75.

A visitor on Saturday was R. E. Berry, who has leased the Hammann place in Summit, N. J., and is making preparations to have a fine lot of carnations the coming season.

The New York Herald on Sunday gave a nice account of the success of W. A. Manda at the International Exposition in London.

The Herald on Monday also reported the critical illness of W. R. Smith of Washington. Y.

## Oklahoma City.

## FUNERAL FLOWERS IN DEMAND.

Decidedly warm weather has prevailed during the last few days and some of the time hot winds have been blowing with great force. This has been particularly hard on all vegetation, though among flowering plants the perennial phlox seems to be one of the best resistants of dry, hot, climatic conditions. These plants are flowering abundantly and are very gorgeous just now. The flower business has been quite good this week. The death of the wife of Mayor Grant brought out a tremendous demand for funeral designs and bouquets. The Stiles Co. believe that the call for flowers for this particular funeral was the largest ever experienced here. Outdoor sweet peas continue in good condition, though it cannot be said that much else of value for cut flower work is being gathered from the outside just now. The demand for bedding plants is almost over, though there is a fairly steady call for potted plants in flower suitable for the window or porch, and for table ferns.

## NOTES.

The Barteldes Seed Co. made a shipment of designs and flat bouquets for a funeral at Dover, Okla., Sunday.

J. W. Furrow of Guthrie is sending in some good longiflorum lilies.

S. S. B.

CLEVELAND, O.—The city of Cleveland will in all likelihood have a peony garden as an adjunct to its park system next year. Officials with this end in view recently visited the peony farm of Frank Seither on Bosworth road, S. W.

PHILADELPHIA NEW YORK WASHINGTON  
**S. S. Pennock-Meehan Co.**  
 WHOLESAL FLOWRISTS  
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 Everything in Cut Flowers.  
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 FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.  
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|------------------------------------|--------------------|---------|
| Roses, Beauty, special.....        | 12 00              | 25 00   |
| " extra and fancy...               | 6 00               | 12 00   |
| " No. 1 and No. 2....              | 1 00               | 3 00    |
| " Bride, Bridemaid, special.       | 1 00               | 4 00    |
| " extra and fancy.....             | 2 00               | 3 00    |
| " No. 1 and No. 2.....             | 50                 | 1 00    |
| " Killarney, My Maryland..         | 4 00               | 6 00    |
| " extra and fancy.....             | 2 00               | 3 00    |
| " No. 1 and No. 2.....             | 1 00               | 1 50    |
| " Richmond.....                    | 1 00               | 6 00    |
| Carnations.....                    | 15                 | 2 00    |
| Cattleyas.....                     | 10 00              | 25 00   |
| Gardenias.....                     | 2 00               | 15 00   |
| Lilies, Longiflorum and Harrisii.. | 1 00               | 3 00    |
| Lily of the Valley.....            | 1 00               | 3 00    |
| Sweet Peas.. per doz. bunches.     | 25                 | 75      |
| Adiantum Crowesnum.....            | 50                 | 1 00    |

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The Unrivaled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employes. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employes) and we will send them the paper for one year after receipt of subscriptions.

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This offer is good now for present orders.

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Finest quality for mixing with peat or for top dressing.

THE C. W. BROWNE CO

WALDEN, N. Y.

Fredericton, N. B.

SUGGESTS FLORISTS' UNION.

We are having an exceptionally cold, backward time with rain and a sunless sky. Crops have a retarded and stunted appearance; grass seems to be the exception. Farmers say where the land is not light and well drained they have to plant potatoes the second time. The tuberous plants rot with wet and cold. Our closed greenhouses have stood at 40° many nights since June 1. So that we hope the discouraging start will have a good finish later. Oldtimers have often claimed that after a cold, long winter comes a hot summer. This theory does not seem to work this year. All are complaining of high prices in every thing. Masons, carpenters, plumbers and others get good money for a 9-hour day. What about the product of the garden and greenhouse? We need to form a union in regard to our prices or ends will never meet. Some concerns in the trade are foolish enough to sell their product for anything or nothing. J. B.

## Asparagus

### Plumosus Nanus

### Seed.

Northern Greenhouse Grown of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 50c; 500 seeds, \$1.50; 1000 seeds, \$3 00.

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## ASPARAGUS PLUMOSUS NANUS



## FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000  
Sphagnum Moss, large bales.....\$2.50  
Lencothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000  
Boxwood,.....per pound 20c; 50-pound case, \$7.50  
Magnolia Leaves, Imported Green and Bronze, Basket, \$2.25; 6 baskets, \$2 each  
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

### MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

## We Are Now Booking Orders for Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**

E. A. BEAVEN, Evergreen, Ala.

Send Advertisements Early For Best Results.

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In all kinds of Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Lencothoe Sprays, Princess Pina, Etc.,

Delivered to all parts of United States and Canada  
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A sign like this in your window will draw good business now.

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- June 30.
- FROM MONTREAL, Scotian, Allan.
- Istina, Barber & Co.
- July 1.
- Sallust, Lam. & Holt.
- July 2.
- Mauretania, Cunard.
- FROM BOSTON, Arabic, White Star, 12 noon.
- Rotterdam, Holl.-Amer., 10 a. m., Hoboken Pier.
- Grosser Kurfuerst, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
- United States, Scan.-Amer., 2 p. m.
- Magdalena, R. M. S. P., Pier 42, North River.
- July 3.
- Ivernia, Cunard.
- Baltic, White Star, 3 p. m.
- FROM BALTIMORE, Breslau, No. Ger. Lloyd, 2 p. m.
- Argentina, Aus.-Amer., 1 p. m.
- Canada, Fabre, 3 p. m.
- Philadelphia, Red "D," noon, Pier 11, Brooklyn.
- Byron, Lam.-Holt, 11:30 a. m.
- July 4.
- FROM MONTREAL, Lake Champlain, Can. Pac.
- La Lorraine, French, 10 a. m.
- Cincinnati, Ham.-Amer., 12 noon.
- Berlin, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
- July 5.
- FROM MONTREAL, Virginian, Allan.
- FROM PHILADELPHIA, Menominee, Red Star, 10 a. m.
- Burmese Prince, Prince.
- July 6.
- FROM MONTREAL, Hesperian, Allan.
- Columbia, Anchor, 12 noon, Pier 64, North River.
- FROM MONTREAL, Ansonia, Cunard.
- Philadelphia, American, 9:30 a. m., Pier 62, North River.
- Vaderland, Red Star, 10 a. m., Pier 61, North River.
- Olympic, White Star, 12 noon.
- FROM MONTREAL, Megantic, White Star-Dom., at daylight.
- Pennsylvania, Ham.-Amer., 10 a. m.
- Friedrich der Gross, No. Ger. Lloyd, 11 a. m.
- Berlin, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
- Martha Washington, Aus.-Amer., 1 p. m.
- FROM MONTREAL, Athenia, at daybreak.

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Bertermann Bros. Co., Indianapolis, Ind.  
Beland, J. B., San Francisco.  
Boldt-Lundy Flower Shop, Denver, Colo.  
Bowe, M. A., New York.  
Breitmeyer's Sons, John, Detroit, Mich.  
Buckhee, H. W., Rockford, Ill.  
Clark's Sons, D., New York.  
Cleveland Cut Flower Co., Cleveland, O.  
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Crump, Frank, Colorado Springs, Colo.  
Daniels & Fisher, Denver, Colo.  
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Shaffer, Geo. C., Washington.  
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Smith, Henry, Grand Rapids, Mich.  
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Corner Miami and Grand Avenues.

## Artistic Designs.

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Floral Co.J. A. VALENTINE,  
President.

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Personal Attention to all Orders.

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Phone 6404 Madison Sq. 6 East 33d St.  
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**Matthews,**

—FLORISTS—

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Flowers in any arrangement for all occasions,  
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Send flower orders for delivery in

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**Wolfskill Bros. and  
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Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.  
229 WEST THIRD STREET.**City Index to Retail Florists  
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Albany, N. Y.—Eyles, 11 N. Pearl St.  
Amsterdam, N. Y.—Hatcher, Florist.  
Anderson, S. C.—The Anderson Floral Co.  
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.  
Boston—Thos. F. Galvin, Inc., 124 Tremont St.  
Boston—Hoffman, 59-61 Mass. Ave.  
Boston—Penn, the Florist, 43 Bromfield St.  
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Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.  
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Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.  
Chicago—Alpha Floral Co.  
Chicago—Mangel, 17 E. Monroe St.  
Chicago—A. Lange, 25 E. Madison St.  
Chicago—Schiller The Florist, 2221 W. Madison.  
Chicago—Geo. Witthold Co., 737 Buckingham Pl.  
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Cleveland, O.—The Cleveland Cut Flower Co.  
Cleveland, O.—The J. M. Gasser Co.  
Colorado Springs, Colo.—Frank F. Crump.  
Dallas, Tex.—Texas Seed and Floral Co.  
Dayton, O.—Matthews, 16 W. 3rd St.  
Denver, Colo.—The Boldt-Lundy Flower Shop.  
Denver, Colo.—The Park Floral Co.  
Des Moines, Ia.—Alpha Floral Co.  
Detroit, Mich.—John Brettmeyer's Sons.  
Grand Rapids, Mich.—Grand Rapids Floral Co.  
Grand Rapids, Mich.—Henry Smith.  
Indianapolis—Bertermann Bros. Co., 214 Mass.  
Kansas City—Geo. M. Kellogg, F. & P. Co.  
Kansas City—Samuel Murray.  
Kansas City—Wm. L. Rock Flower Co.  
La Crosse, Wis.—La Crosse Floral Co.  
Little Rock, Ark.—Vestals, 409 Main St.  
Los Angeles, Calif.—O. C. Saakes.  
Los Angeles—Wolfskill Bros. & M. Goldenson.  
Louisville, Ky.—Jacob Schulz, 550 4th Ave.  
Louisville, Ky.—F. Walker & Co., 634 4th Ave.  
Milwaukee—C. C. Pollworth & Co.  
Montreal—McKenna.  
Newark, Ohio—Chas. A. Duerr.  
Nashville, Tenn.—Geny Bros.  
New York—M. A. Bowe.  
New York—D. Clark's Sons, 2139 Broadway.  
New York—Dard's, 44th and Madison Ave.  
New York—Alex. McConnell, 611 5th Ave.  
New York—Charles Habermann.  
New York—Myer, Florist, 609 Madison Ave.  
New York—Max Schling, 22 W. 59th St.  
New York—Frank Valentine, 153 E. 110th.  
New York—Young and Nugent.  
Omaha, Neb.—Hess & Swoboda, Farnum St.  
Philadelphia—Robert Kift, 1725 Chestnut.  
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.  
Poughkeepsie, N. Y.—The Salford Flower Shop.  
Rochester, N. Y.—J. B. Keller's Sons.  
Schenectady, N. Y.—Hatcher, Florist.  
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.  
St. Louis, Mo.—F. H. Weher.  
St. Louis, Mo.—Young's, 1406 Olive St.  
St. Paul, Minn.—Holm & Olson.  
St. Paul, Minn.—L. L. May & Co.  
San Francisco—J. B. Boland, 60 Kearney St.  
San Francisco—Podesta & Baldocchi.  
Terre Haute, Ind.—J. G. Hehl & Son.  
Toledo, O.—Mrs. J. D. Freeman.  
Toronto, Can.—Dunlop's, 69 Yonge St.  
Washington—Geo. H. Cooke, Conn. Ave. and L.  
Washington—Gude Bros.  
Washington—Geo. C. Shaffer, 14th and 1 Sta.

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Established 1849

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Prompt and careful attention to orders  
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Prompt and careful attention to orders from out  
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**The Cleveland Cut  
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**NORTHERN OHIO.**

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Write, Telegraph or Telephone.

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**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable firm

**Only  
the  
Best  
Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.

Milwaukee, Wis.

**C. C. Pollworth Co.**Will take proper  
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully  
cared for by**HENRY SMITH,**Wholesale and Retail Florist of **GRAND RAPIDS**

Grand Rapids, Mich.

**GRAND RAPIDS FLORAL CO.**ALFRED HANNAH & SONS. Will fill your  
orders for Designs and Cut Flowers in Michigan

## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

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Member Florists' Telegraph Delivery.

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Rochester, N. Y.

**J. B. KELLER SONS,**  
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25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189  
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Newark, Ohio.

**CHAS. A. DUERR,**

The Arcade Florist,

Greenhouse  
Graoville O., Phone 26. Auto. Phone 1840  
Member of Florists' Telegraph Delivery.

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**VESTALS**

PAUL M. PALEZ, Mgr.

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All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

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Seattle, Wash.

**L. W. McCOY, Florist**

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Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

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Omaha, Neb.

**Hess & Swoboda**

FLORISTS,

1415 Farnum St.

TELEPHONES  
1501 and 1582

La Crosse, Wis.

**LA CROSSE FLORAL CO.**

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

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**Max Schling**

NEW YORK

No. 22 West 59th Street  
Adjoining Plaza Hotel

Schenectady, N. Y.

Amsterdam, N. Y.

**Hatcher**

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Denver, Colo.

**THE BOLDT-LUNDY  
FLOWER SHOP**

614 16th Street.

ORDERS SOLICITED.

Denver, Colo.

TRADE IS QUIET.

Business is quiet, but owing to the growers having most of them just planted up with young stock, the supply is also short and just about equals the demand. Outdoor stuff, however, is becoming plentiful. Peonies are wholesaling for from twenty-five to fifty cents per dozen. Outdoor sweet peas are just beginning to make their appearance. The hail storm June 10 did considerable damage in Arvada and Wheatridge. P. J. Manchester reports about 400 feet of glass broken. Some glass was also broken on the Schumann place. The strawberry crop was about ruined as were also some young asters and other tender plants.

NOTES.

Samuel R. Lundy, Jr., beloved son of Mr. and Mrs. S. R. Lundy, died June 19. Death was not unexpected, as the little fellow had been in poor health for a long time, Mr. Lundy having brought him here for his health.

Miss Jane A. Pearce was married June 15 to Chas. A. Yont. Miss Pearce was well known to the trade, having been for a long time in the employ of the Elitch Long Co.

Mrs. D. J. Sullivan left June 10 to visit relatives in Marcellus, Mich. She expected to get there just in time to celebrate her infant's first birthday.

T. W. H.

BLOOMFIELD, N. J.—A monster agriculture, horticulture and floriculture exhibit, to last from Nov. 15 to Dec. 2, is being planned by the New Jersey Exposition Commission.

BRIDGEPORT, CONN.—Frank C. Schleichert, a local florist, has been sued by Von Zonneveld Bros., agents for a Dutch nurseryman. The amount asked for is \$411 and the claim is based on plants said to have been shipped from Holland and not paid for. Mr. Schleichert has filed a counter claim of \$300, alleging that the Holland firm refused to pay the duty, according to agreement, and that the plants were received too late for the Easter trade.

Louisville, Ky.

**F. Walker & Co.,  
FLORISTS.**

Phones: Home 1388. Camb. Main 1388 A.

.....634 Fourth Avenue.

New York:

**CHARLES HABERMANN**

2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

Mention the American Florist when writing

St. Louis, Mo.

The Most Central Location in City.

**F. H. WEBER,**

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lladell 2153; Kinloch, Delmar 768

Mention the American Florist when writing

St. Louis, Mo.

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2308; Kinloch Central 4981

Mention the American Florist when writing

**WITTBOLD'S**

New Display Rooms, 56 E. Randolph Street  
CHICAGO

Flowers Palms Decorations  
Rented or Sold

Phones:—Randolph 4708 Nursery, Rogers  
Park 227; Evanston 829; Wilmette 658

Poughkeepsie, N. Y.

**"The Salford Flower Shop"**

Vassar College and Bennett School.

Mention the American Florist when writing

Nashville, Tenn.

**Geny Bros. LEADING  
FLORISTS**

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

**MYER, FLORIST** 609-611 Madison Ave  
Phone 5297 Plaza.

ockford, Ill.

**H. W. Buckbee**



# Joseph Heacock Company's Palms & Ferns

Home-Grown, Well Established, Strong and Healthy

| Kentia Belmoreana |        |          |         |
|-------------------|--------|----------|---------|
| Pot               | Leaves | In. high | Each    |
| 2½-in.            | 4      | 8 to 10  | \$ 1 50 |
| 3-in.             | 5      | 12       | 2 00    |
| 4-in.             | 5      | 15       | \$0 35  |
| 5-in.             | 6 to 7 | 18       | 50      |
| 6-in.             | 6 to 7 | 24       | 1 00    |
| Cedar tub         | Leaves | In. high | Each    |
| 7-in.             | 6 to 7 | 34 to 36 | 2 50    |
| 9-in.             | 6 to 7 | 40 to 45 | 4 00    |
| 9-in.             | 6 to 7 | 42 to 48 | 5 00    |
| 9-in.             | 6 to 7 | 48 to 54 | 6 00    |
| 9-in.             | 6 to 7 | 5 ft.    | 7 50    |

| Cocos Weddelliana |          |  |         |
|-------------------|----------|--|---------|
| Pot               | In. high |  | Per 100 |
| 2½-in.            | 8 to 10  |  | \$10 00 |

| Areca Lutescens |               |          |        |
|-----------------|---------------|----------|--------|
| Cedar tub       | Plants in tub | In. high | Each   |
| 9-in.           | Several       | 5 ft.    | \$7.50 |

| Kentia Forsteriana—Made up |        |              |         |         |
|----------------------------|--------|--------------|---------|---------|
| Cedar tub                  | Plants | In. high     | Each    | Doz.    |
| 7-in.                      | 4      | 36           | \$ 2 50 | \$30 00 |
| 7-in.                      | 4      | 36 to 40     | 3 00    | 36 00   |
| 9-in.                      | 4      | 40 to 42     | 4 00    | 48 00   |
| 9-in.                      | 4      | 42 to 48     | 5 00    | 60 00   |
| 9-in.                      | 4      | 48 to 54     | 6 00    |         |
| 12-in.                     | 4      | 5½ to 6½ ft. | 15 00   |         |

| Phoenix Roebelenii |                      |        |        |
|--------------------|----------------------|--------|--------|
| Pot                |                      |        | Each   |
| 5-in.,             | nicely characterized |        | \$1 00 |
| 6 in.,             | 18 to 20-in. spread  |        | 1 50   |
| Cedar tub          | High.                | Spread | Each   |
| 7-in.              | 18-in.               | 24-in. | \$2 00 |

| Cibotium Schledel |        |  |        |
|-------------------|--------|--|--------|
| Cedar tub         | Spread |  | Each   |
| 9-in.             | 4 feet |  | \$3 00 |
| 9-in.             | 5 feet |  | 5 00   |
| 9-in.             | 6 feet |  | 6 00   |

## When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your own convenience, both going and coming. When you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the piece), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

**JOSEPH HEACOCK CO.,** Wyncote, Pa. Railway Station, Jenkintown.

## POINSETTIAS

July Delivery.

We will have a fine lot ready early in July. Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½ in. \$5 per 100; \$45 per 1000.

**A. HENDERSON & CO.**

352 N. Michigan Ave., CHICAGO.

## The Two Best Roses of The Year

### Killarney Queen and Double White Killarney

Grafted plants for immediate delivery, \$30 per 100; 250 for \$70; \$250 per 1000. Own Root, \$25 per 100; \$200 per 1000.

**RICHMOND, Grafted,** \$15 per 100; \$120 per 1000; Own Root, \$7.50 per 100; \$60 per 1000.

**MRS. TAFT, (Rivoire,)** Own root, \$7.50 per 100; \$60 per 1000.

**RADIANCE,** Own root, \$7.50 per 100; \$60 per 1000.

**A. N. PIERSON, Inc., Cromwell, Conn.**

## Geraniums

Rooted cuttings—Nult, Poitevine and Ricard at \$10.00 per 1000 from now until Oct 1st. Honest samples for the asking.

### Plumosus and Smilax

Extra fine Plumosus at \$25.00 per 1000; \$2.50 per 100.

Well hardened Smilax, the kind that give good results, at \$1.50 per 100; \$12.50 per 1000.

**ALBERT M. HERR, Lancaster, Pa.**

## Des Plaines Floral Co Carnations.

Des Plaines, Illinois

Mention the American Florist when writing

Double Fringed Petunias, Heliotrope, Queen of Violets, Geraniums, Nutt and Hill, 2 in. pots, per 100, \$2.00; Geranium Mme. Buchner, 2 in. pots, per 100, \$1.50. Daisy, Mrs. F. Sander, 2 in. pots, per 100, \$3.50. Chrysanthemums, 8 var., 2 in. pots, per 100, \$2.00. Bellis Daisy, white and pink, good plants, 50c. Pansy, Early Spring seedlings, now ready, of our choice strain, \$2.50 per 1000; 5000 for \$10.00. All carefully grown—prompt shipment.

Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Mention the American Florist when writing

## CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE - INDIANA

Mention the American Florist when writing

## ASTERS.

Simple's Branching, best strain in white, pink and purple, fine plants from field, \$2.50 per 1000; 5,000 for \$10.00. Smilax, fine bushy plants, 2½-in., \$1.50 per 100, \$14.00 per 1000. Primulas, Obconica and Chinese strong 2½-in., \$2.50 per 100.

**J. C. SCHMIDT, Bristol, Pa.**

Mention the American Florist when writing

## Ferns for Dishes

2½-in. per 100 per 1000  
 \$3.50 \$30.00  
**Asparagus Plumosus,** 2½-inch, \$3.50 per 100; \$30.00 per 1000. 3-in., \$6.00 per 100, 500 at 1000 rate. Cash with order.

**FRANK OECHSLIN,**

4911 Quincy St., CHICAGO

## The Seed Trade.

### American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, Ohio, Secretary and Treasurer. Next annual convention at Chicago, June 25-27, 1912.

TUBEROSE growers report heavy rains the past week.

CHARLES JOHNSON, Marietta, Pa., sailed for Europe June 22 and will return about September 1.

LESTER L. MORSE, writing from San Francisco under date of June 17, says "Crop is in a rather critical condition."

CHICAGO.—Prices on the Board of Trade, June 26, for grass seed were noted as follows: Timothy, \$7 to \$10 per 100 pounds.

W. ATLEE BURPEE, Philadelphia, Pa., and Hugh Dickson, Belfast, Ireland, passed through Chicago June 24 enroute from the Pacific coast.

TONY STECHER of Rochester says he has given up his early enterprises in the way of branch houses in Japan, although he still longs for cherry blossom time.

TRIMBLE McCULLOUGH of the Santa Ynez Valley, Calif., reports good progress on his new ranch and is continuing his strenuous fight against gophers by the million.

RED WING, MINN.—L. S. Turner and J. M. Shilling, well-known business men of this city, have incorporated the Havana Seed Co., and after this year will grow the seed which they offer for sale.

THE Storrs & Harrison Co., is anxious in regard to the severe conditions called for in the way of catalogue postage by the new parcels post bill, now before congress, and asks that this matter be brought up.

ALPENA, MICH., June 17.—While our peas were mostly planted late, the prospects are favorable as we have had showers the past week both in Michigan and Wisconsin that are very beneficial at this time. R.

REPORTS on Red Top grass seed from the Illinois districts indicate that the growing crop is looking fairly well and the prospects are for an average yield. Some of the farmers complain that there is a heavier weed crop than usual in Red Top.

R. L. EATON, manager of the Girardeau Seed Co., of Monticello, Fla., says their 1,400 acre ranch is worked in 30-acre sections, each cared for by a negro and a mule. Melon shipping in that locality he reports now about finished for the season.

CHINESE NARCISSUS.—Narcissus bulbs are the only articles of export to the United States declared through the consulate at Amoy, China. About 3,000,000 of these bulbs are placed on the American market annually, the declared value in 1910 being \$10,514, and in 1911, \$7,043.

ALBANY, N. Y.—After July 1 inspectors from the office of the state commissioner of agriculture will take samples of seed offered for sale throughout the state. To sell seeds containing more than three per cent of foul or foreign seeds, unless the amount is plainly labeled, is contrary to the new law which takes effect on that date.

## AMERICAN SEED TRADE ASSOCIATION

Annual Convention. Chicago, June 25-27.

### A Record Breaking Convention.

The thirtieth annual convention of the American Seed Trade Association, held at the Hotel Sherman, Chicago, June 25-27, was an unqualified success and broke all records in the matters of attendance and interest in the proceedings. The convention was called to order on Tuesday morning, June 25, by President Leonard H. Vaughan, of the Vaughan Seed Store, Chicago, who looked into the faces of probably the largest gathering of



Leonard H. Vaughan.

President American Seed Trade Association.

seedsmen assembled at an opening session of the organization to date.

President Vaughan congratulated his hearers that they were at the close of a season which in most lines of the trade had been perhaps the most prosperous that the majority of the members had experienced. He briefly referred to pending legislation affecting seed trade interests as well as the public at large, and was gratified to state that the republican platform

had taken progressive ground on the parcels post and that it is likely to be imitated by the democratic convention. President Vaughan recommended among other things that the association print a digest or summary of state seed bills already enacted and keep the same up to date, that a resolution be adopted favoring a uniform federal law on legal bushel weights, the same to be given to the A. S. T. A. delegate to the National Board of Trade for action by that body.

He favored the continuing of state correspondents. He paid a fitting tribute to the "Grand Old Man" of the seed trade, Jerome B. Rice, whose death at the beginning of this month saddened all seedsmen, and whose cheerful optimism, encouraging words, pleasant smile and twinkling eye will be sadly missed at this and other meetings to come, because all loved him. He closed by expressing thanks to the various committees and officers for help extending during the year. There is no business any more important to the welfare of the whole people than the seedsmen's, for agriculture is the nation's backbone, and there are no higher ideals of right and wrong than are found existing in the seed trade. The various recommendations in the President's address were referred on motion of H. W. Wood, of Richmond, Va., to a special committee of Albert McCullough, Cincinnati, O., L. L. Olds, Madison, Wis., S. A. Wilson, Madison, Wis., C. C. Massie, Minneapolis, Minn., and Edgar Gregory, of Marblehead, Mass. A vote of thanks was also returned for the address.

Harry L. Holmes, of the Holmes Seed Co., Harrisburg, Pa., read the following tribute to the late Jerome B. Rice, which was on motion of A. McCullough adopted by rising and unanimous vote:

Mr. President and Gentlemen of the A. S. T. A.: I feel confident that I but express a sentiment that is unanimous in this body when I say that the seeds-

Established 1810.

## Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,  
Growers on Contract  
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip  
Sole Agent for U. S. and Canada.  
CHARLES JOHNSON, Marietta, Pa.

## VICK QUALITY SEEDS PLANTS BULBS

ASK FOR WHOLESALE CATALOGUE.

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

## Pieters-Wheeler Seed Company

Growers of  
High Grade  
SEED

Hollister,  
California



Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.

Correspondence  
Solicited.



Nathan Dickinson.



Albert Dickinson.



Charles Dickinson.

PRINCIPALS OF THE ALBERT DICKINSON CO., CHICAGO.

men of this country, and particularly the individual members of the American Seed Trade Association, have suffered in the death of Jerome Bonaparte Rice an irreparable loss, and I personally mourn the untimely passing away of a friend for whom I had an affection as deep and as lasting as for a father.

I may be pardoned if I retrospect sufficiently to say that when, as an individual with insufficient capital I began a little seed business in the city of Harrisburg, offering to prospective creditors not a sufficient tangible basis upon which to extend necessary credit, the one above all who seemed to deem me personally worthy of such a favor, was he for whose loss I thus publicly express my sorrow.

Through no trumpeting of his good deeds, but through the grateful appreciation of others who have enjoyed like benefits at his hands, I have learned how widespread had been this generous course of action throughout his life.

I particularly admired the unusual degree of fortitude displayed by Jerome B. Rice, despite the affliction of a malignant type of rheumatism contracted while he was a participant in the history making epoch of the American Civil War, and it was marvelous to all his friends how he could forget himself, his excruciating pains, and listen with an unfeigned interest to your troubles and joys as well as to mine. Can we not, with Bayard Taylor, say of this man:

"Sleep, soldier, still in honored rest,  
Your truth and valor wearing.  
The bravest are the tenderest,  
The loving are the daring."

Words fail me in an endeavor to acknowledge my indebtedness to this man, one of nature's noblemen, but in my poor way I feel that common gratitude forces me to pay my small tribute to his worth, and believing that my voice is but the audible evidence of that which is in every heart here, I move that a committee be appointed by the chair for the purpose of drafting suitable resolutions to be published

and be spread upon the minutes of this convention, and that a copy of such resolution be suitably engrossed and presented to his family.

The motion carried by unanimous and rising vote as stated, and President Vaughan appointed as such committee H. L. Holmes, C. N. Page and J. C. Robinson.

S. Phillips Landreth, W. G. Scarlett and C. P. Guelph were appointed as Auditing Committee. Albert McCullough, Chairman of Membership Committee presented that committee's report, and the following were elected to membership; Crenshaw Bros., Tampa, Fla.; Ross Bros., Wichita, Kansas; Griswold Seed Co., Lincoln, Neb.; Arthur G. Lee, Ft. Smith, Ark.; Louis B. Reuter, New Orleans, La.; Robert Buist Co., Phila., Pa.; Dakota Improved Seed Co., Mitchell, S. D.; P. Mann & Co., Washington, D. C.; C. M. Wolf & Co., Wash. D. C.; Chauncey P. Coy & Son, Waterloo, Neb.; Missouri Seed Co., Kansas City, Mo.; Rudy-Patrick Seed Co., Kansas City, Mo.; C. F. Saul, Syracuse, N. Y. These new members as far as present were escorted into the convention and made at home by a committee of escort, E. L. Page and J. C. Robinson.

Chas. D. Boyles of the Albert Dickinson Co., chairman of the legislative committee, presented the report of that committee, and he was followed by Curtis Nye Smith, who submitted his report as counsel for the association for the past year. No reports were tendered by the committees on Customs and Tariff, Transportation, and Experiment Stations. C. N. Page reported that nothing from conference with seed analysts had taken place during the year. It developed from the reports on legislation that there was a great amount of ignorance of the actual conditions of the seed trade among our legislators and great need of their being enlightened as to the difficulties under which seedsmen are laboring in their efforts to at all times supply the people with reliable seed. Reputable seedsmen were shocked at the inference that might be

drawn from the penalty clause in the bill now before congress as casting a reflection upon a body of men whose only desire is to carry on their business in a legitimate way, and who welcome any laws that will tend to protect the honest and well meaning members of their body. Secretary Kendel's report showed a gain in membership during the year, and the treasury in a healthy condition. The financial part of the report was referred to the Auditing Committee. The reports of the Legislative Committee and of the counsel were accepted with thanks.

Adjournment was now taken until 9:30 Wednesday morning.

#### Wednesday's Proceedings.

On Wednesday morning papers were read as follows: "Seed Corn Breeding" by L. S. Gould; "Costs and Cost Systems in the Seed Business" by Lester L. Morse; "Recent Decisions on the Seed Trade Disclaimer" by Curtis Nye Smith. There was a brisk discussion on Mr. Morse's paper lead by Kirby B. White, who was followed by S. F. Leonard, E. L. Page, L. L. May, J. C. Vaughan, John L. Hunt, and Watson S. Woodruff. This discussion led to a general agreement that the subject of costs should receive more careful attention and a special committee was named to consider the matter and report at a later session, the committee appointed being L. B. McCausland, C. C. Massie and J. C. Vaughan.

H. L. Holmes presented the following resolutions on the death of the late Jerome B. Rice, which were unanimously adopted.

#### Resolution on Death of Jerome B. Rice.

Whereas, It has pleased Almighty God in his infinite wisdom to summon to his great reward our friend and colleague, Lieut. Jerome B. Rice, and

Whereas, It is fitting that we, who for so many years have been associated with him and have enjoyed the inestimable boon of his friendship, do suitably express our sorrow, be it therefore,

Resolved, That in the death of Lieut. Jerome Bonaparte Rice the American

Seed Trade Association has sustained the loss of a member second to none in enterprise, in ability, in integrity and in honor,

Resolved, That each individual member of the Association mourns the loss of a personal friend, whose loyalty was unquestioned, whose friendship was constant, whose willingness to befriend was limited only by the recipient's necessities.

Resolved, That the fortitude and patience displayed by this veteran of history's most terrible conflict, the American Civil War, permanently afflicted by a malignant type of rheumatism contracted while at the front, is worthy of our emulation.

Resolved, That this Association extends to the bereaved family its unanimous testimonial of sympathy in their grief and it mourns with them in their inexpressible sorrow; and be it further

Resolved, That these resolutions be spread upon the minutes of this convention, be published in the several trade journals, and that a copy suitably engrossed be presented to the family.

H. L. HOLMES,  
CHAS. N. PAGE,  
J. C. ROBINSON, Committee.

A standing vote of greeting was given Jesse E. Northrup. The O. S. Jones Seed Co., Sioux Falls, S. D., and W. E. Marshall & Co., New York, were admitted to membership at today's meeting.

The visitors were guests of the local members on an automobile tour of the parks and boulevards, Wednesday afternoon, terminating with a luncheon at the South Shore Country Club. Some 250 members and friends participated and the visitors were loud in praise of the local hospitalities.

On Wednesday evening there was a banquet at the Hotel Sherman, with W. P. Stokes as toastmaster.

#### Exhibits.

Brown Bag Filling Machine Co., Fitchburg, Mass., bag filling machine and seed packets.

McFarland Publicity Service, Harrisburg, Pa., advertising specialties.

Seed Trade Reporting Bureau, Chicago, sample daily crop reports.

Walker Bin Co., Pen Yan, N. Y., store fixtures and patent bins.

Torsion Balance Co., New York, seed testing apparatus.

Minneapolis Seed Co., Minneapolis, Minn., seeds.

#### Convention Notes.

Fred Barteldes reports having made a recent visit to St. Joseph, Mo., the original Jesse James town. He was taken in hand by A. R. Chesmore and says that while he saw no one shot there he observed a number who were half shot.

Kirby B. White and Lester L. Morse arrived Sunday morning and toured the parks and boulevards with much pleasure for two beautiful days. Mr. Morse commends the Blackstone as equal to any European hotel.

On Wednesday afternoon an automobile ride was given by the Chicago seedsmen to their guests, taking in a tour through the parks and a short stop at the South Shore Country Club.

Forty-eight automobiles were used by the visitors who participated in the trip to the South Shore Country Club by way of the parks and boulevards Wednesday afternoon, 240 all told.

G. S. Rosenberg, of Milwaukee, exceeded the speed limit during the automobile tour of the park system Wednesday afternoon and had to produce \$56 in payment of fines.

O. L. Dailey, with the Leonard Seed Co., a veteran of the Civil war, began the seed growing business with the father of Artie Cleveland in 1866.

The visitors were greatly pleased and interested in the work of the Vacant Lot Gardening Association seen in their trips around the city.

Secretary Kendel reports a record breaking attendance, especially at the sessions. He estimates 15 per cent increase.

There seems to be more big department heads of leading firms than usual, some houses having two and three representatives.

One of the delegates reports that the English seed growers have undergone 72 consecutive days of drought.

Alaska J. Brown, the Michigan bean grower, brought along his family and a new touring car.

L. L. May says the new western pea sections will have a bad effect on the pea trust.

Missouri valley visitors claim their crops this season are the best in the country.

Vaughan's Seed Store decorated the hotel rooms of lady visitors with flowers.

Tuesday afternoon many members took in the big league ball game.

A goodly disposition was shown to get on the membership list.

Fifteen new members were added the first two days.

#### The Attendance.

The following were noted among those in attendance during the opening sessions of the convention:

W. C. Affeld, Chicago.  
H. N. Albright, Des Moines, Ia.  
Linnaeus Allen, Floral Park, N. Y.  
Aug. J. Bainbridge, St. Louis, Mo.  
M. Barker, Chicago.  
W. H. Barrett, Adrian, Mich.  
W. W. Barnard, Chicago.  
O. P. Beckley, Harrisburg, Pa.  
J. E. Benedict, Jr., Chicago.  
A. A. Berry, Clarinda, Ia.



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 J. Robert Brown, Fitchburg, Mass.  
 D. I. Bushnell, St. Louis, Mo.  
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 Arthur B. Clark, Milford, Conn.  
 Irwin B. Clark, Buffalo, N. Y.  
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 Benj. Corneli, St. Louis, Mo.  
 Lawrence Coy, Valley, Neb.  
 John W. Coy, Sleaford, Eng.  
 Wm. Currie, Milwaukee, Wis.  
 W. B. Currie, Milwaukee, Wis.  
 John P. Degnan, Chicago.  
 Albert B. Diggs, Richmond, Va.  
 C. Doering, Chicago.  
 B. W. Dulaney, Cincinnati, O.  
 Edward C. Dungan, Philadelphia, Pa.  
 R. L. Eaton, Monticello, Fla.  
 Geo. B. Edgerton, Buffalo, N. Y.  
 A. T. Ferrell, Saginaw, Mich.  
 E. J. Flood, Philadelphia, Pa.  
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 Louis C. Gould, Waterloo, Neb.  
 Geo. S. Green, Chicago.  
 Edgar Gregory, Marblehead, Mass.  
 W. H. Grenell, Pierrepont Manor, N. Y.  
 W. B. Griswold, Lincoln, Neb.  
 C. P. Guelph, Cambridge, N. Y.  
 D. B. Gurney, Yankton, S. D.  
 Albert Gutterman, Manitowoc, Wis.  
 W. P. Hall, Louisville, Ky.  
 H. G. Hastings, Atlanta, Ga.  
 Arthur D. Heffron, Chicago.  
 Alex Henderson, Chicago.  
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 J. Harold Hogg, Toronto, Ont., Can.  
 Chas. Hollenbach, Chicago.  
 Peter Hollenbach, Chicago.  
 Harry L. Holmes, Harrisburg, Pa.  
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 J. Will Jefferson, Louisville, Ky.  
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 C. E. Luck, Kansas City, Mo.  
 L. B. McCausland, Wichita, Kans.  
 Albert McCullough, Cincinnati, O.  
 Geo. McCullough, Cincinnati, O.  
 T. McCullough, Santa Ynez, Calif.  
 J. Chas. McCullough, Cincinnati, O.  
 W. R. McHutchinson, Detroit, Mich.  
 Wm. J. Mack, Waterloo, Neb.  
 A. Mangelsdorf, Atchison, Kans.  
 G. S. Mann, Minneapolis, Minn.  
 W. E. Marshall, New York.  
 C. C. Massie, Minneapolis, Minn.  
 John W. May, Alexandria, Va.  
 L. L. May, St. Paul, Minn.  
 J. S. Michael, Sioux City, Ia.  
 L. L. Morse, San Francisco, Calif.  
 Fr. Neuhaus, Paris, France.  
 E. B. Northup, Minneapolis, Minn.  
 P. K. Nott, Chicago.  
 Henry Nungesser, New York.  
 L. L. Olds, Madison, Wis.  
 Chas. N. Page, Des Moines, Ia.  
 E. L. Page, Greene, N. Y.

Frank H. Page, Des Moines, Ia.  
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 J. G. Peppard, Jr., Kansas City, Mo.  
 J. L. Peppard, Kansas City, Mo.  
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 J. C. Robinson, Waterloo, Neb.  
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 F. A. Stecher, Rochester, N. Y.  
 Joseph Stecker, New Orleans, La.  
 Walter P. Stokes, Philadelphia, Pa.  
 Daniel Taylor, New York.  
 Hugo Teweles, Milwaukee, Wis.  
 E. E. Theilmann, Erie, Pa.  
 W. F. Therkildson, Painesville, O.  
 Jefferson Thomas, Harrisburg, Pa.  
 T. J. Tobin, Kansas City, Mo.  
 J. C. Vaughan, Chicago.  
 Leonard H. Vaughan, Chicago.  
 E. J. Walker, Penn Yan, N. Y.  
 G. Willett Warren, Alpena, Mich.  
 Kirby B. White, Detroit, Mich.  
 C. O. Wilcox, Chicago.  
 Oscar H. Will, Bismarck, N. D.  
 S. F. Willard, Jr., Chicago.  
 Thos. H. Willard, Wethersfield, Conn.  
 Richard Williams, Chicago.  
 S. A. Wilson, Madison, Wis.  
 H. G. Windheim, Omaha, Neb.  
 E. F. Winterson, Chicago.  
 H. W. Wood, Richmond, Va.  
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 Mrs. F. H. Ball.  
 Miss Mabel Ballantine.  
 Mrs. C. S. Briggs.  
 Mrs. A. J. Brown.  
 Miss L. Brown.  
 Mrs. H. W. Buckbee.  
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 Mrs. A. J. Coleman.  
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 Mrs. Watson S. Woodruff.  
 Misses Woodruff.  
 Mrs. G. F. Zimmer.

#### New York Produce Exchange.

The following gentlemen have been appointed by the president as members of the committee on seeds for the New York Produce Exchange: Wm. Jacot, M. H. Duryea, Ernst Wehncke, O. W. F. Randolph, Chas. Wimmer.

#### Danish Seed Crops.

Odense, June 26.—Prospects of new crops are not cheering. Yellow fleshed turnip are expected to be about an average; rutabaga and white fleshed turnip expected to be light. As to ballhead cabbage and biennials, the prospects are disheartening and could scarcely be worse. D.

#### New York Seed Bill Penalties.

Referring to Assemblyman Wilson's New York state pure seed bill, known as Chapter 297 of the Laws of 1912, which takes effect July 1, 1912, I append a copy of the penalties carried by this law as printed in Department of Agriculture Bulletin No. 27, section 52, page 996.

#### SEC. 52. PENALTIES.

Every person violating any of the provisions of this chapter shall forfeit to the people of the state of New York the sum of not less than fifty dollars nor more than one hundred dollars for the first violation and not less than one hundred dollars nor more than two hundred dollars for the second and each subsequent violation. When such violation consists of the manufacture or production of any prohibited article, each day during which or any part of which such manufacture or production is carried on or continued, shall be deemed a separate violation. When the violation consists of the sale, or the offering or exposing for sale or exchange of any prohibited article or substance, the sale of each one of several packages shall constitute a separate violation, and each day on which any such article or substance is offered or exposed for sale or exchange shall constitute a separate violation. When the use of any such article or substance is prohibited, each day during which or any part of which said article or substance is so used or furnished for use, shall constitute a separate violation, and the furnishing of the same for use to each person to whom the same may be furnished shall constitute a separate violation. Whoever by himself or another violates any of the provisions of articles three, four, six, eight and nine or sections three hundred fourteen and three hundred fifteen of this chapter or of sections one hundred six, one hundred seven and one hundred eight of this chapter shall be guilty of a misdemeanor, and upon conviction shall be punished by a fine of not less than fifty dollars, nor more than two hundred dollars, or by imprisonment of not less than one month nor more than six months or by both such fine and imprisonment, for the first offense, and by six months' imprisonment for the second offense.

MARSHALL H. DURYEA.

P. HOHENADEL, JR., of Janesville, Wis., who operated several factories canning vegetables, died June 23.

**Colorado Seed Crops.**

Rocky Ford, June 17.—From the most reliable information obtainable the acreage in vine seed planted this season does not seem to be more than fifty per cent. of that planted last season. The planting was about two weeks late on account of the cool weather. There is a very good "stand" of both cucumber and muskmelon, particularly cucumber. Some fields of muskmelon have been badly damaged by cut worms. As a whole, however, there is probably better than a 90 per cent crop of both crops mentioned. The great decrease in acreage is accounted for by the heavy surplus of some varieties of vine seeds being carried over from last season's crop. E.

**Connecticut Seed Crops.**

Milford, June 17.—Although the season has been abnormally late, the growth of root plants at this writing compares favorably with other seasons. For the acreage planted the plants are looking good. Turnip will produce about seventy-five per cent of a crop, many fields looking ragged. The acreage of onion was reduced by the discouragement of other years. That planted looks well. The growth of beet is satisfactory and there is an increase in acreage due to last season's advancing prices. The acreage of parsnip and carrot is light. The sweet corn is two weeks behind because of late planting, but looks good and the "stand" is fine except on low ground. The acreage is increased somewhat. C.

Orange, Conn., June 22.—Kale is under about an average acreage; crop looking exceptionally fine. There is a larger acreage of carrot than for some years; crop looking only fair. Beet is under a considerably larger acreage than normal; crop looking unusually fine at this writing and without unusually bad weather conditions we are reasonably sure of a fair crop. A smaller acreage of turnip than normal; crop looks exceedingly poor, not over one-half or two-thirds normal yield now in sight. There is a reduced acreage of onion; crops looking first-class, but onion always looks well at this season of the year. Too early to estimate with any degree of accuracy what the yield may be. The acreage of sweet corn is about normal, with germination first-class, but exceedingly backward. Have had very cold nights and corn has seemed to stand almost still for two weeks. Plants are healthy, however, but only with a very favorable fall can we expect a normal yield. W.

**Wisconsin Seed Crops.**

Sheboygan, June 20.—The present condition of the pea crop is, in a general way, fairly good. Alaska and Early peas are very promising, and if favorable weather conditions are continued from this date, the crop should be fully normal and deliveries nearly or quite full. This is also true on all the round, full weight varieties of peas as indicated by present observation. The wrinkled varieties of peas as a general average, as they stand upon the ground at the present time, are not a full "stand" and are very thin on the ground. This probably has been brought about by several clearly understood conditions. First to be men-

tioned is the evident fact that the average of vitality of the green wrinkled variety is not as high as four years ago. The extreme conditions of weather, which during the last three years, and more especially during the last year (crop 1911) reduced the productions so low that probably not to exceed thirty-three and one-third per cent of delivery was made as an average by all the growers, has also reduced the vitality of the crop that was harvested and its effect is showing in the green wrinkled varieties in the present crop as they now stand. Then the unusually wet, cold weather of the spring and early summer very likely caused quite a percentage of the seed to rot in the ground, and as has already been stated, the stand of the green wrinkled varieties is unusually thin. Offsetting this, we find one very encouraging condition, which may, as to crop return, nearly or quite overcome the undesirable thin stand of these crops. A year ago many of the pods were almost empty, some having only two peas to the pod, others three, four, five, and occasionally six peas, so that the average number of peas to the pod last year would hardly have been four and one-half peas on an average to each pod. This year there are very few of the pods that have set less than six peas, and they run from five, six, seven, eight, and occasionally nine, so that it seems that the peas will average six and one-half to seven peas to the pod, and being thin on the ground will give the crop a chance to develop into an extra fine crop condition, with fully an average if not over an averaged sized grain, and will, in our judgment, largely overcome the shortage created by the thin stand as now seen upon our fields, so that from present conditions there seems no reason to argue that it would be impossible to have a good sufficient crop season. However, many of the peas have not yet come into bloom; others are just in bloom, and the past few seasons have shown to all experienced men in this line that a few hot days with a south wind upon the tender flowers can entirely do away with a favorable start, and leave the crop in a very damaged condition. Also a continuous rainy season, hail storms, lice and bugs are yet to be dealt with unless a kind providence protects us from their damaging effects. A.

**The Seed Trade of New Zealand.**

The interesting article on the seed trade in New Zealand which appeared in THE AMERICAN FLORIST issue of October 14, page 617, continues as follows:

**CONVERSION OF BUSH LAND TO PASTURE.**

The preparation of excellent pasture from wild bush lands, which has been going on in New Zealand for many years, and which has been the principal source of the Dominion's great prosperity as a wool-producing and dairying country, is very interesting. Ashes resulting from burning timber after the ground has been cleared are apparently the only fertilizer necessary for immediate profitable results. The grass seed is simply thrown on the ground, which is not loosened or plowed, and in less than a year from the time of sowing the land will be fattening from five to six sheep per acre. All the best forage plants and grasses grow throughout nearly the entire year, and in spring and early summer the pasture lands have such a luxurious growth on them that sheep raisers usually consider it necessary to

carry also a certain number of cattle in order to keep the grass from becoming too rank.

The verdant condition of the pastures, even in midwinter, seems most remarkable to those accustomed to winter conditions in other countries at an equal distance from the equator. As an illustration of how grass grows in New Zealand, I might mention that at golf links near Wellington, comprising about 70 acres, I noticed during the month of June, the first winter month here, a flock of about 1,000 sheep being used to keep down the grass, which was growing too rapidly to be kept in check by mowing machines without undue expense.

**YIELDS OF VARIOUS SEEDS.**

Clover is sown in the spring, and may be fed to sheep or mowed for hay, yielding from two to three tons per acre when cut in November or early in December. The aftergrowth is then allowed to flower and seed, which it does very freely. Thousands of bumblebees may be seen in the clover fields during the months of January, February and March. The seed ripens in March and is then cut and dried and thrashed out by machines known as clover shellers. An acre of clover may yield in hay and seed from \$40 to \$50. In fertilization of the clover, the red-tailed bee, imported from England five or six years ago, appears to be rendering invaluable service. White and alsike clover are now grown in considerable quantities and appear to yield enormously, as much as 300 pounds of seed being obtained per acre. They are not dependent on the action of the bumblebee for fertilization and mature earlier, and are more easily thrashed and cleaned than cow grass or red clover.

All the most valuable British grasses seem to flourish and improve throughout New Zealand. Cocksfoot is a staple product in country where the soil is vegetable mold and decomposed volcanic rock. It frequently weighs 20 pounds to the bushel, 12 pounds being a standard bushel. Rye grass is usually gathered by stripping, and when the crops are heavy it is cut and tied as corn, and afterwards thrashed by machinery. The yield per acre varies from 20 to 50 bushels, weighing from 25 to 32 pounds per bushel, 20 pounds being the standard weight. A common practice is to graze the land till midsummer, take the stock off for a few weeks, and then run the stripper over the ground. By this primitive method 10 bushels per acre of perennial rye grass seed of the finest quality is sometimes secured. Many of the indigenous grasses of New Zealand are possessed of considerable feeding value, but few of them will stand too close feeding. The action of fire is especially injurious to most of them.

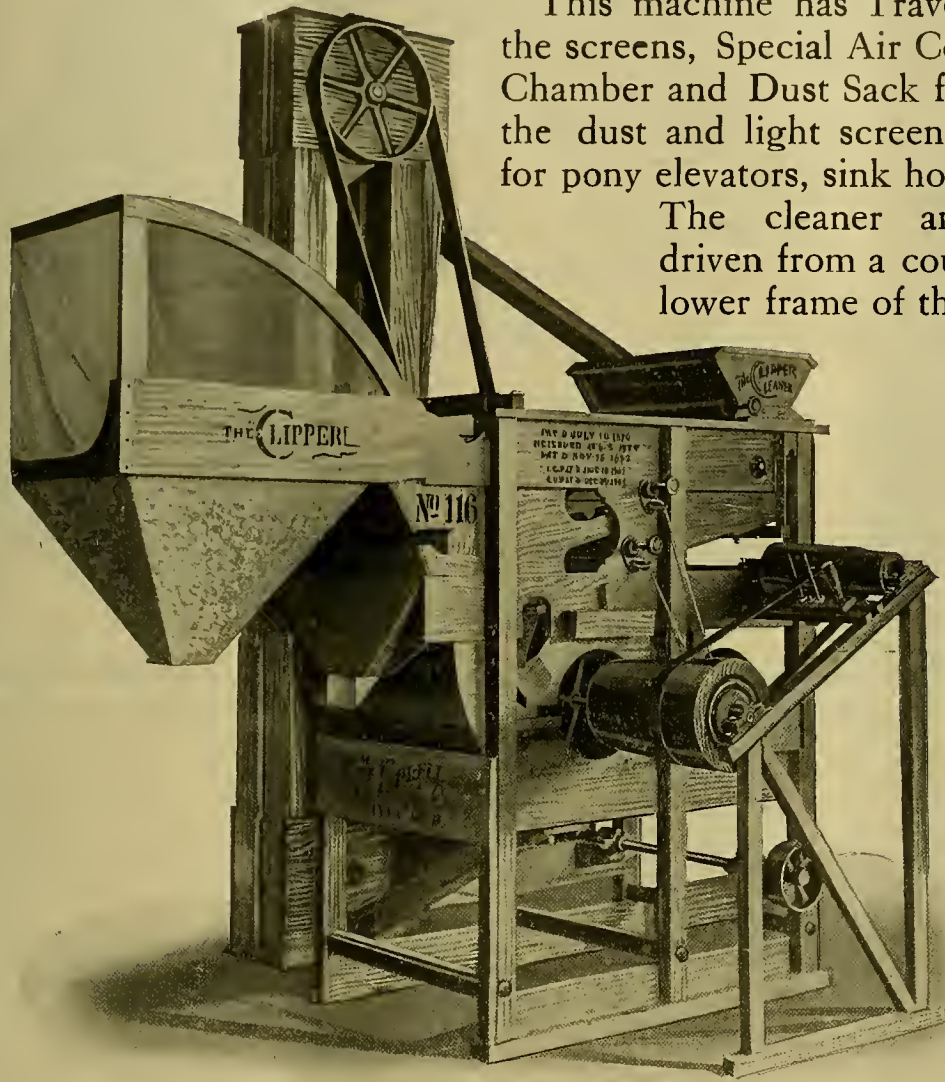
Beans for pig and horse feed and for export, cape barley and winter oats, tares for dairy stock, and linseed are also rather extensively grown, though linseed production is gradually decreasing because of its exhausting effect on the soil and its promotion of weed growth. The cultivation of linseed is now confined to small areas for the manufacture of oil and oilcake and for cattle food.

**WEEDS—SEED CLEANING AND TESTING.**

While in New Zealand there is always a disposition to experiment with foreign seeds that may prove useful, there is also much caution about accepting those that may not be clean of weeds; moreover, disastrous experience has shown that many kinds of vegetable life which in other countries may be useful, or at least harmless, become in this country weeds of the worst description. For instance, gorse, which was originally imported from Scotland in order to make attractive hedges, and was at first protected by



# No. 116 "Clipper" Cleaner



This machine has Traveling Brushes on the screens, Special Air Controller, Settling Chamber and Dust Sack for taking care of the dust and light screenings; two stands for pony elevators, sink hopper and bagger.

The cleaner and elevators are driven from a counter shaft on the lower frame of the cleaner.

All belting and pulleys furnished complete, as shown in cut.

The seed is dumped into the sink hopper connected to elevator boot and carried up to the feed hopper of the cleaner. The cleaned seed discharges from cleaner into the opposite elevator boot, is elevated and sacked. This is all done on one floor.

## This Is a Complete Cleaning and Elevating Outfit

Self-contained, requiring no mill-wright work, dust spout, dust collector or dust room, and is giving universal satisfaction.

**This Machine Has No Equal for Clover, Timothy,  
and All Garden and Flower Seeds**

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for a certain kind of seed, and also disarrangement of display, as is usual in other display cases.



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law from pilfering, especially by small boys who were inclined to take it away on account of its bright flowers, has since spread over the country in a most alarming way, and is now considered a noxious weed, and great efforts are being made to destroy it.

There is now a noxious-weed act in New Zealand, which imposes fines up to \$100 on any persons who knowingly sow, sell, or offer for sale any noxious seeds. All grass seeds are required, before sowing, to be thoroughly dressed by means of seed-cleaning machines or other sufficient processes for the purpose of removing all noxious seeds. All farmers are required under penalty of fines to clean thoroughly any thrashing machines, clover dressers, or chaff cutters immediately after being used. After these machines have been swept, the second-dressing riddles must be removed and cleaned, the screen opened, the slide below the grain elevator taken out, and all rubbish removed. The principal noxious weeds, all of which have been introduced through imports of useful seeds into which they have been mixed, are blackberry, Canadian or Californian thistle, sweetbriar, Bathurst burr, ragwort, and pennyroyal.

The necessity for clean seeds ought to be appreciated by American dealers who may wish to export seeds from New Zealand, and who may at first be of the opinion that the demand as to freedom from weed seed is too exacting. It is usually customary when buying seeds from other countries to make extremely careful examinations and tests. The New Zealand government is itself willing to test agricultural seeds both for germination and for purity, free of charge, for farmers and seed merchants. Last year over 400 samples were thus examined and reported upon. It is probable that in the near future there will be some fur-

ther legislation in the direction of seed control.

#### MACHINERY FOR CLEANING SEEDS.

There is always a good demand in New Zealand for machines for cleaning and dressing seeds. One machine of American invention and construction is much used here for dressing clover seed and grain; locally made machines, however, have the greatest sale. A combined clover and linseed thrasher, sheller, and cleaner which is manufactured at Christchurch enjoys special popularity with New Zealand farmers. It is placed on four high wrought-iron wheels, the largest four feet in diameter and broad enough not to sink in soft ground. The drum is made of steel and large spindles and long heavy brushes are provided. The caving riddle is made extra long; much longer than in grain thrashers. The shelling is done on the centrifugal principle. The machines are fitted with double exhaust fans and all the shelled clover and dust is passed in a finely divided condition away to the front of the machine, and unshelled pugh and seed drop from the leg onto riddles, which separate these, the unshelled pugh being returned to the sheller and the seed going to the second cleaner and screen to be fully dressed and graded. The separations from first and second dressers pass back again into the sheller to be treated and dressed over again till sufficiently cleaned. A revolving screen makes three separations of the seed: First, white clover, alsike, and small seeds, such as chickweed and dodder; second, pure red clover; third, thistle seed, trefoil, wild turnip, etc. Another locally made cleaner for seed and grain, which is much smaller in size, is capable of making five different separations of grass seed, with six different sieves three by two feet, and takes out straw, goose grass, small weed seeds, and other rubbish.

#### SPECIAL DEVICES FOR CLOVER—NEW ZEALAND MACHINES.

As clover seed in New Zealand has to be thrashed in the winter, at which time the clover is very tough, shelling devices must be used that will overcome this difficulty. The local machines provide for this in their patent centrifugal rubbers, working inside stout woven steel wire cylinders, which allow the shelled clover and husks, to fall through as quickly as they are separated instead of being forced through a common outlet in the end of the solid cylinder, as in the English machines.

The excellent sale of American-made seed-cleaning machinery was what prompted the local manufacturers to specialize on still stronger construction and more adaptability to cleaning grass seeds. These locally made machines are now exported to Australia, and it is said that nearly all the lucerne seed grown in New South Wales passes through New Zealand machines. Large stocks are kept here of perforated zinc of all sizes, and woven wire with meshes of different sizes and shapes, including many special sizes woven for special use to suit New Zealand weed seeds. The largest seed plants in New Zealand are capable of cleaning seeds having a mixture of 35 per cent of six or eight different kinds of weed seeds and of extracting practically the whole of these weed seeds with the smallest mixture of good seed. The combination may consist of five to ten separate machines so combined with elevators and conveyors that, at one passage through the machines, under the charge of one man, the whole of the weed seeds can be placed in six or eight different bags and the perfectly clean seeds can be placed in sacks without the necessity of subsequent recleaning or separations.

**Oklahoma Seed Growers' Co.**  
 Contract Growers of  
 Watermelon and Muskmelon Seeds  
 For the Wholesale Trade only  
 Enid, - - Oklahoma

**S. M. Isbell & Co.,**  
 Jackson, Mich.  
**CONTRACT SEED GROWERS,**  
 Bean, Cucumber, Tomato, Muskmelon,  
 Squash, Watermelon, Radish, Sweet corn.  
 Correspondence solicited.

**Western Seed & Irrigation Co.**  
 Seed Growers and Dealers. Specialties:  
 Cucumber, Musk and Watermelon, Pump-  
 kin, Squash, Sweet and Field Corn.  
 Fremont, - Nebraska

**J. Bolgiano & Son**  
 Wholesale Field and Garden Seeds.  
 Established 1818. Write for our low prices.  
 Light, Pratt and Ellicott Sts., Baltimore, Md.

**ROUTZAHN SEED CO.**  
 Arroyo Grande, Calif.  
 Sweet Pea and Nasturtium Specialists  
 Wholesale Growers of full list of  
**FLOWER and GARDEN SEEDS**

**ROEMER'S** Superb Prize **PANSIES**  
 The finest strain of Pansies in the World.  
 Introducer and Grower of all the leading  
 Novelties. Highest Award International  
 Exhibition, Dusseldorf, 1905. Catalogue free  
 on application.  
**FRED. ROEMER,** Seed Grower, Quedlinberg, Germany

Mention the American Florist when writing

**Lawn Grass Seed**  
 WHOLESALE ONLY.  
**J. OLIVER JOHNSON,**  
 1876 Milwaukee Ave., CHICAGO

**Henry Fish Seed Co.**  
**Bean Growers**  
 For the Wholesale Seed Trade.  
**CARPINTERIA, CALIF.**  
 Mention the American Florist when writing

**QUALITY SEED BULBS PLANTS**  
 SEND FOR CATALOGUE.  
**ARTHUR T. BODDINGTON**  
 312 West 11th St., New York.

**EANS, PEAS, RADISH**  
 and all Garden Seeds

**LEONARD SEED CO.**  
 226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE  
Write for Prices.

# SEED PACKETS

WRITE FOR SAMPLES AND PRICES.

**THE BROWN BAG FILLING MACHINE CO., Fitchburg, Mass.**

**Lily of the Valley from Cold Storage**  
Order Now for June Weddings

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

**H. N. Bruns, 3032-3042 Madison St., Chicago**

**Freesias** (Ready July 1.)  
**California**  
**Grown**



Per 1000  
 Mammoth, 3/4 and up..... \$7.00  
 Choice, 1/2 to 3/4-in..... 5.00  
 First Quality, 3/8 to 1/2-in..... 3.00

## PURITY--True.

Mammoth, 3/4-in. and up..... \$25.00  
 Extra Size, 1/2 to 3/4-in..... 20.00  
 First Size, 3/8 to 1/2-in..... 17.50

**Vaughan's Seed Store,**  
 CHICAGO. NEW YORK.

## Contract Seed Grower

**SPECIALTIES:** Pepper, Egg Plant,  
 Tomato, Vine Seed and Field Corn.  
**EDGAR F. HURFF,** Mullica Hill, New Jersey.  
 Correspondence Solicited.

GET QUOTATIONS FROM

# LANDRETH

**SEEDS which SUCCEED**  
 Bloomsdale Farm. **Bristol, Pa.**

**Telegraph Code**  
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— \$2.00 —

Either stiff or flexible covers. Address orders.  
American Florist Co., Chicago.

**John Bodger & Sons Co.**

Los Angeles, California

Wholesale growers of Sweet Pea,  
Tomatoes, Lima Beans, Lettuce, Asters,  
COSMOS and other Flower Seeds.

# GLADIOLI

Mrs. Francis King, Mrs. Beecher, Augusta,  
Lizzie, Brechtleyensis, Etc.  
Lilies, Summer Flowering Bulbs and  
Hardy Plants.

**E. S. MILLER,** Wading River, N. Y.

# TOMATO SEED

Best Stocks. All Varieties.

**THE HAVEN SEED CO.**

Growers for the Wholesale Trade Only,  
**SANTA ANA, CALIFORNIA.**

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Contract Growers of

**High Grade Seeds**

Cucumber, Muskmelon, Squash and Pumpkin,  
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Correspondence Solicited.

**George R. Pedrick & Son,**  
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## Japanese Lilies

Spec. Album, 9 in.-11 in..... per 100.. \$13.00  
 " Rubrum, 9 in.-11 in..... per 100.. 9.00  
 " Melpomene, 9 in.-11 in..... per 100.. 9.50  
 Tuberoses, Double, pearl, 4 in.-6 in., \$8.00 per 1000.

**WEEBER & DON** Seed Merchants  
and Growers.  
114 Chambers Street, NEW YORK, N. Y.

## Asparagus Plumosus Plants

2 1/2-in. \$3.00 per 100; \$25.00 per 1000.

**Cyclamen Seed** English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

**S. S. SKIDELSKY & CO.,**  
1215 Betz Building, PHILADELPHIA, PA



For the past several weeks, we have been showing some of our customers just how our growing crop looks.

After seeing for themselves, most of them have materially increased their orders with us.

# BRASLAN SEED GROWERS CO., Inc.

Growing Onion, Lettuce, Carrot and Radish for the Wholesale Trade.

General Offices, **SAN JOSE, CALIFORNIA.**

## Bay Trees

Prices include tubs.

Standard or Tree Shaped.

| Stems     | Crowns | Each    | Pair    |
|-----------|--------|---------|---------|
| 36 in.    | 24 in. | \$ 7.00 | \$13.00 |
| 45 in.    | 26 in. | 7 50    | 14.00   |
| 48-50 in. | 46 in. | 20.00   | 38.00   |

Dwarf Standards.

| Stems  | Crowns | Each    | Pair    |
|--------|--------|---------|---------|
| 30 in. | 24 in. | \$ 7.00 | \$13.00 |
| 18 in. | 24 in. | 7.00    | 13.00   |
| 12 in. | 30 in. | 7.50    | 14.00   |

Pyramid Shaped.

| Height | Diameter at Base | Each   | Pair    |
|--------|------------------|--------|---------|
| 5 ft.  | 24 in.           | \$8.00 | \$15.00 |
| 6 ft.  | 34 in.           | 15.00  | 28.00   |
| 7 ft.  | 30 in.           | 18.00  | 35.00   |

Bush Shaped.

| Each                         | Pair           |
|------------------------------|----------------|
| 24 in. high, 20 in. diameter | \$7.00 \$13.00 |

## Boxwood

Prices include green tubs.

10 per cent discount if wanted out of tubs.

Standard or Tree Shaped.

| Each                         | Pair          |
|------------------------------|---------------|
| 18-26 in. stem, 18 in. crown | \$3.00 \$5.00 |

Bush Shaped.

Prices do not include tubs.

| Each   | Doz.   | 100    |
|--------|--------|--------|
| 12 in. | \$0.35 | \$3.60 |
| 15 in. | .40    | 4.50   |

Ampelopsis Veitchii.

(Japan or Boston Ivy.)

| Each              | Doz.   | 100    |
|-------------------|--------|--------|
| 4-inch, pot grown | \$0.30 | \$3.00 |

## Vaughan's Seed Store,

31 W. Randolph St., CHICAGO.  
25 Barclay St., NEW YORK.  
Greenhouses, Trial Grounds and Nurseries:  
Western Springs, Ill.

## J.E. HOOPES & CO.

CONTRACT SEED GROWERS

Asparagus, Peppers,  
Melons, Etc.  
Muscatine, - Iowa

## Seed Advertising

Requires, above all, a knowledge of seeds, plants, their products, market value and qualities. To present all the good points claimed for seeds strongly through distinctive advertising methods spells success.

Most seedsmen are too busy to study advertising thoroughly. Their business is to produce seeds. Most advertising men do not think it necessary to study seeds—they design advertisements, and juggle words the best they know how.

The services of a trained advertising man who was born and raised as a seedsman, are available through our organization. Seed advertisers are invited to profit by this unusual combination. Ask for facts about the specialized service which we are able to render.

**The Mumm-Romer Company,** Seed Advertising Specialists, Columbus, Ohio

53 Years Competing Only in Quality

# FRANCIS BRILL

WHOLESALE SEED GROWER

(Newark, N. J., 1859-1870)

Pioneer of the Great Cabbage Seed Industry of Long Island  
1870-1912

HEMPSTEAD, LONG ISLAND, N. Y.

26,000 Beauty Bench Plants, 1 year old, \$30.00 per 1000.

6,000 Asparagus Plumosus, Bench plants, 1 yr. old, \$25.00 per 1000.

**GEORGE REINBERG,**

162 N. Wabash Ave., CHICAGO

**Celery, Cabbage and Pepper Plants**

Golden, self blanching, \$2.00 per 1000; White Plume and Pascal, \$1.25 per 1000. **Peppers:** Sweet Mountain, \$3.50 per 1000. **Cabbage:** Danish Ball-head; Succession and Flat Dutch, \$1.00 per 1000. **Asters:** Best varieties known; Separate Colors or Mixed, 75c per 100, \$5.00 per 1000. Let me know your wants; orders filled promptly. I grow millions of plants for the trade. Cash Please.

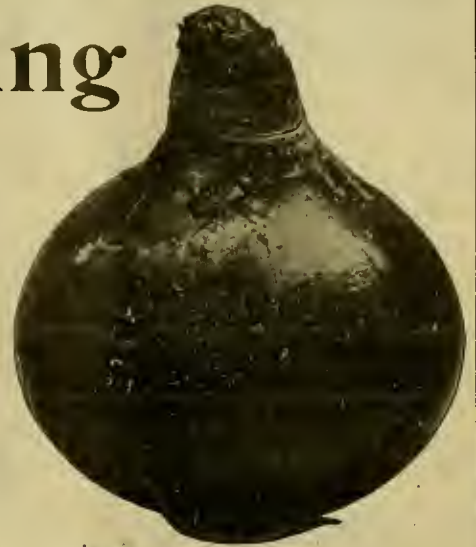
**W. C. LESTER,** Wholesale Grower, Plainville, Conn.

The Early Advertisement Gets There



# Fall Forcing Bulbs

**Roman Hyacinths, Narcissus P.W. Grandiflora, Lilium Harrisii, Japanese Lilies,**



**Forcing Valley, Callas, Freesias and picked bulbs of all Dutch Hyacinths, Tulips and Spirea.**



N. B.—We are advised that the crop is none too good; some bulbs are diseased. Buy now. We have a supply from reliable growers. Write us.



**VAUGHAN'S SEED STORE, CHICAGO NEW YORK**

**THE NEW CARNATION**

## BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities.

**The New "Helen" Pink**

A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit." Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber, Grower, LYNBROOK, Long Island, N. Y.

R. G. Wilson, Fulton St. and Greene Ave., BROOKLYN, N. Y.

Chas. H. Totty, MADISON, N. J.

## ORCHIDS...

Fresh Stock, in splendid order, just arrived.

Cattleya Labiata, Cattleya Schroederiae, Granulosa, Cattleya Trianae.

We have a fine lot of *Oncidium Varicosum Rogersii* and *Oncidium Splendidum* ready to ship now.

G. L. Freeman, Wellfleet, Mass.

## ORCHIDS

H. STANLEY, Sandcross Lane, Reigate, Eng.

is now booking orders for

*Oncidium Forbesii* and *O. Marshallianum*

Mention the American Florist when writing

## Roses, Cannas, Shrubs

Ask for New Price List

**THE CONARD & JONES CO.**

WEST GROVE, PA.

Mention the American Florist when writing

## Poehlmann Bros. Company, Morton Grove, Ill.

Western Headquarters for Rose Plants

GRAFTED.

Rose Queen, 3½-in. .... \$150 00 per 1000  
Bulgaria, 3½-in. .... 150.00 per 1000

OWN ROOT.

Maryland, 2½-in. .... Per 100 Per 1000  
\$5 50 \$50 00

## CHRYSANTHEMUMS

Now Is the Time to Plant 2½-in. Oct. Frost. We have 20,000 2½-in. Extra Fine Plants, which we are offering at \$20.00 per 1000. This is the best early white.

| WHITE.             | R. C. per 100 | 1000    | 2½-in. per 100 | 1000    |
|--------------------|---------------|---------|----------------|---------|
| Virginia Poehlmann | \$2 50        | \$20 00 | \$3 00         | \$25 00 |
| Clementine Touse   | 2 50          | 20 00   | 3 00           | 25 00   |
| Alice Byron        | 2 50          | 20 00   | 3 00           | 25 00   |
| Timothy Eaton      | 2 50          | 20 00   | 3 00           | 25 00   |
| W. H. Chadwick     | 3 00          | 25 00   | 4 00           | 35 00   |
| YELLOW.            | R. C. per 100 | 1000    | 2½-in. per 100 | 1000    |
| Golden Glow        | 2 50          | 20 00   | 3 00           | 25 00   |
| Halliday           | 2 50          | 20 00   | 3 00           | 25 00   |
| Col. Appleton      |               |         | 3 00           | 25 00   |
| Major Bonnaffon    | 2 50          | 20 00   | 3 00           | 25 00   |
| Yellow Eaton       | 2 50          | 20 00   | 3 00           | 25 00   |
| Golden Chadwick    | 3 00          | 27 50   | 4 00           | 35 00   |
| Dolly Dimple       |               |         | 3 00           |         |

| PINK.         | R. C. per 100 | 1000    | 2½-in. per 100 | 1000    |
|---------------|---------------|---------|----------------|---------|
| McNiece       | \$2 50        | \$20 00 | \$3 50         | \$30 00 |
| Maud Dean     | 2 50          | 20 00   | 3 50           | 30 00   |
| Patty         |               |         | 3 50           | 30 00   |
| Dr. Enguehard | 2 50          | 20 00   | 3 50           | 30 00   |

RED.

|            |      |       |      |       |
|------------|------|-------|------|-------|
| Schrimpton | 2 50 | 20 00 | 3 00 | 25 00 |
| Intensity  | 2 50 | 20 00 | 3 00 | 25 00 |

## POMPONS.

Large Assortment of Best Commercial Varieties only.

|        |                                  |
|--------|----------------------------------|
| R. C.  | \$3 00 per 100                   |
| 2½ in. | \$4 00 per 100; \$35 00 per 1000 |

SMILAX, 3-in., at \$45.00 per 1000.

Orders are now booked for July delivery. All goods sold for cash or 30 days on approved credit.

## Budding Knife Free. See Page 1399

# CHRYSANTHEMUMS

FROM SAND FOR IMMEDIATE DELIVERY

| PINK.                 |        | R. C. per 100 | 1000    | CRIMSON.               |        | R. C. per 100 | 1000    | YELLOW.                   |        | R. C. per 100 | 1000    |
|-----------------------|--------|---------------|---------|------------------------|--------|---------------|---------|---------------------------|--------|---------------|---------|
| Amorita .....         | \$2 50 |               | \$20 00 | Pockett's Crimson..... | \$2 50 |               | \$20 00 | Crocus, the best yellow.. | \$4 00 |               | \$35 00 |
| Dr. Enguehard .....   | 2 50   |               | 20 00   | Schrimpton .....       | 2 50   |               | 20 00   | Yellow Eaton.....         | 2 50   |               | 20 00   |
| Pacific Supreme ..... | 2 00   |               | 15 00   | Intensity.....         | 2 00   |               | 15 00   | Golden Glow.....          | 2 00   |               | 15 00   |
| Balfour .....         | 2 00   |               | 15 00   | <b>WHITE.</b>          |        |               |         | Halliday.....             | 2 00   |               | 15 00   |
|                       |        |               |         | Lynwood Hall .....     | 2 50   |               | 20 00   | Maj. Bonnaffon.....       | 2 00   |               | 15 00   |
|                       |        |               |         | Touset.....            | 2 00   |               | 15 00   |                           |        |               |         |
|                       |        |               |         | October Frost.....     | 2 00   |               | 15 00   |                           |        |               |         |

The above varieties of 'Mums FROM SOIL, \$4.00 per 1000 additional.

**J. D. THOMPSON CARNATION CO., Carnation Specialists, Joliet, Ill.**

Mention the American Florist when writing

## GIANT PANSY SEED

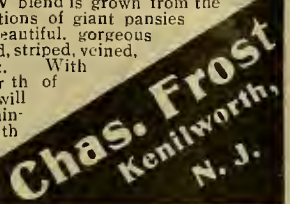
### The KENILWORTH Strain

must not be compared with the flimsy Trimardea; it is much larger and of good substance. The immense flowers of 3 1/2 to 4 inch s are of perfect form; every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The stock plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany and numerous others. 1912 seed now ready, light, medium or dark mixture 2000 seeds, 50c; 5000, \$1.00 1/4 oz., \$1.25; 1 oz., \$5.00.

#### Pansies in Separate Colors.

- Giant Adonis, beautiful light blue.
- Giant Emperor William, ultramarine blue.
- Giant King of the Blacks coal black.
- Giant Beaconsfield, violet shading to white.
- Giant Golden Queen, yellow.
- Giant Goldeo, yellow with dark center.
- Giant Masterpiece, beautifully ruffled, with a wide range of colors.
- Giant white.
- Giant white with large violet center.
- Giant royal purple, fine large flowers.
- Giant orchid flowering, rare shades.
- Giant bronze and copper shades.
- Giant light blue, delicate shades of blue.
- Giant dark blue, deep blue shades.
- The 14 mixed in equal proportions.
- Trade packet, 25c; any 5 for \$1.00; any 11, \$2.00

The **Rainbow** blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.



## AFTER DECORATION DAY

you have empty houses. Will it pay you to keep them empty? Consider and think what will pay you best. I will help you and tell you there is nothing more profitable than a few benches of Asters. In August you can cut them already, and what then? It gives you ample time to fill your benches again for Fall and Christmas trade with Ferns, Begonias, Primulas, Cyclamen, Poinsettias, etc. We are well prepared with the best varieties of Asters in 2 1/2-in. pots and quote you **Crego Asters** in white, rose and pink. Semple's lavender, Vick & Hill's late branching pink, \$3.00 per 100; mixed all colors, \$2.50 per 100. We also have large **SEEDLINGS** big enough to replant on benches direct. Vick & Hill's late branching pink, Vick & Hill's late branching rose, Vick & Hill's new early branching rose, Crego rose, Crego giant pink, \$1.50 per 100; \$12.50 per 1000.

**Godfrey Aschmann,**  
1012 W. Ontario St, PHILADELPHIA, PA.

Mention the American Florist when writing

Budding Knife Free. See Page 1399.

## Hydrangeas For July and August Flowering.

We have a large stock of very fine plants, well budded, which will flower during July and August. These plants are in the very best possible shape, and will be in perfection at the time when they are most in demand for the decoration of summer resorts, watering places, etc. Plants in new cedar tubs, 14-in. diameter, \$5.00 to \$4.00 each, according to size. If furnished in common butter tubs, \$1.00 each less. Extra large specimens in half barrels, \$5.00 to \$7.50 each

### PHOENIX ROEBELII.

Hardest and finest palm for summer decoration—ironclad. Fine specimens, 12-in. pots, \$5.00 each

#### Large Specimen Ferns.

- We have a magnificent stock of exceptionally fine **Nephrolepis** in the following varieties, viz.:
- Elegantissima**, 12-in. pots, extra fine specimens, \$4.00 to \$5.00 each.
- Harrisii**, extra choice form of **Bostoniensis**. Extra fine specimens, 12-in. pots, \$7.50 to \$10.00 each.
- Bostoniensis**, 10-in. pots, extra fine specimens, \$2.50 to \$3.00 each.
- Giatriasi**, 10-in. pots, extra fine specimens, \$3.00 each.
- Scottii**, 10-in. pots, extra fine specimens, \$2.50 each.
- Elegantissima Compacta**, 6-in. pots, 50c each.
- Elegantissima**, 8-in. pots, \$1 00 each.
- Vividissima**, 10-in. pots, \$2.00 to \$3.00 each.

#### Surplus Bedding Stock.

- CANNAS**, strong pot-grown plants, 4-in. pots. Pierson's Premier, Beaute de Poitevine, Rohallion, Florence Vaughan, Souv. d' Antoine Crozy, Robt. Christie, Mlle. Berat, etc., \$6 00 per 100.
- Crotons**, best assorted varieties, 5 and 6 in. pots, \$6.00, \$9.00 and \$12.00 per dozen.
- Vincas**, variegated, fine plants, 3 1/2-in. pots, for vases and boxes, \$10.00 per 100.
- GERANIUMS**, strong plants, 4-in. pots, Double Gen. Grant, Trego, Jean Viaud, and other assorted varieties, \$8.00 per 100.
- Abutilon Savitzii**, 2 1/4-in. pots, \$4.00 per 100.
- Ageratum**, blue and white, 2 1/4-in. pots, \$4.00 per 100.
- Asparagus Plumosus Nanus**, 2 1/4-in. pots, \$4.00 per 100.
- Nasturtiums**, 4-in. pots, \$4.00 per 100.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

## Lilium Harrisii

THESE are conditions, and they occur not infrequently, under which all lily bulbs fail to make good flowering plants. There may be, probably are, more difficulties attending the growing of **Lilium Harrisii** bulbs than most forcing varieties, and yet those who do them well have found the early blooms very profitable. In many parts of the south where this bulb has been grown over a longer season and without the overforcing sometimes imposed on the plants, **Harrisii** has given most satisfactory returns. We are contracting, subject to crop conditions, a select strain of **Well Grown Bulbs of Lilium Harrisii**

Sizes: 5 to 7; 6 to 7; 7 to 9 and upwards

Write for our **IMPORT LIST FOR FLORISTS** Now Ready.

All Lily Bulbs from all the World at Right Prices

**VAUGHAN'S SEED STORE, Chicago---New York**

## Own Root and Grafted ROSE PLANTS

- 1,200 Brides, 2 1/4 in. pots.
- 400 Kaiserin, 2 1/4-in. pots.
- 1,700 White Killarney, 2 1/4-in. pots.
- 1,000 My Maryland, 2 1/4-in. pots.
- 700 Bridesmaids, 2 1/4-in. pots.
- 2,000 Richmond, 2 1/4-in. pots.
- 1,500 Perles, 2 1/4-in. pots.

The above **OWN ROOT** stock we offer for immediate delivery at \$5.00 per 100.

1,500 **GRAFTED RICHMOND**, 4-in. pots.....\$15.00 per 100

RUSH YOUR ORDERS.

**J. L. DILLON, Bloomsburg, Pa.**

**"Giant Mixture."**

Embraces besides all the separate shades and colors five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes; together with the most delicate rose and pink shadings; all the distinct colors of Trimardeau and the splendid Cassier strain. Trade pkt., 25c; 1/8 oz., 60c; oz., \$4.00; 1/4 lb., \$14.00.

**"International Mixture."**

The World's Best.

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; 1/8 oz., \$1.50; 1/2 oz., \$5.00; oz., \$10.00.

**"Cut Flower Mixture."**

Put up by ourselves and contains mostly light colored sorts. Our Chicago cut flower growers have realized big returns from flowers grown from this mixture. Pansies require less care and bring better returns than violets. Trade pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$2.00; oz., \$3.00.



Type of Vaughan's Giant Pansies.

**GIANT PANSIES—Named Sorts.**

|                                              | Trade Pkt. | 1/8 oz. | Oz.    |
|----------------------------------------------|------------|---------|--------|
| Masterpiece, new Giant curled                | \$.025     | \$0.60  | \$4.00 |
| Yellow, immense flowers with dark eye        | .10        | .20     | 1.00   |
| White, very large, with violet eye           | .10        | .20     | 1.00   |
| Beaconsfield, light lavender and deep purple | .10        | .20     | 1.00   |

|                                              | Trade Pkt. | 1/8 oz. | Oz.    |
|----------------------------------------------|------------|---------|--------|
| Golden Queen, clear golden yellow            | \$.10      | \$0.20  | \$1.30 |
| Mine, Perret, lovely shades of pink and rose | .10        | .25     | 1.50   |
| Aurora, pure white, without blotches         | .10        | .20     | 1.00   |
| Black, large true black                      | .10        | .20     | 1.00   |

**CALCEOLARIA.**

Vaughan's Extra Choice Mixture. Composed of the choicest selection of tigered, marbled, spotted and variegated varieties. Trade pkt. (1000 seeds), 50c; 3 trade pkts. for \$1.40.

**CINERARIA.**

Vaughan's Columbian Mixture. Made up by ourselves of choicest English, French and German strains; unsurpassed in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt. (500 seeds), 50c; 3 trade pkts., \$1.40.

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Vaughan's International Primula Mixture. Composed of most salable colors of single flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors for variety, the most important shades predominating. Pkt. of 350 seeds, 50c; per 1-16 oz., \$4.00.

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Our seed has been grown for us by four Cyclamen specialists in Europe. The seed is saved only from perfect plants, and there is no better Cyclamen seed in the market.

**English Giants.**

NINE NAMED SORTS.—Prices: 100 seeds, \$1.00; 1000 seeds, \$8.00 net.

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FIVE NAMED KINDS.—Prices: 100 seeds, 65c; 1000 seeds, \$5.00.

EXTRA CHOICE MIXED.—Per 100 seeds, 50c; 250 seeds, \$1.15; 1000 seeds, \$4.50; 5,000 seeds, \$20.00.

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GIANT ORCHID-FLOWERED CYCLAMEN in choicest mixture. 100 seeds, 80c; 1000 seeds, \$6.50.

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for Florists Has Held First Place in the Trade for over 20 Years

- Ivy, Hardy English, 3-in. pots, \$4.00 per 100.
- Clematis Paniculata, strong 2-year old plants, \$10.00 per 100.
- Dracaena Indivisa, 3-in. pots, \$4.00 per 100.
- Plants from 2 1/2-in. pots, \$2.50 per 100: Abutilon Savitzi; Cupheas; Ageratum; Asparagus Sprengeri; Dracaena Indivisa; Anthurium, pink, white and red, Impatiens.
- Bouvardias, white, pink, scarlet and red, 2-in. pots, \$3.00 per 100.
- Alternantheras, red and yellow, 2 inch pots, \$2.00 per 100.
- Bouvardia Humboldtii, 2 in. pots, \$3.00 per 100.

**C. EISELE,**

11th & Westmoreland Sts., Philadelphia, Pa.

**== SMILAX ==**

2 1/4 inch pots, \$2.00 per 100.

- Cannas, C. Henderson, small, \$3.50 per 100.
- Pandanus Veitchii, finely variegated, \$1.00 each.
- Asparagus Plumosus and Sprengeri, \$2.00 per 100.
- Geraniums, mixed, 3 and 3 1/2 inch pots, my selection, \$6.00 per 100.
- Pansy Seed, new crop, giant flowering, ounce, 40c. Cash.

JOS. H. CUNNINGHAM - DELAWARE, OHIO.

**A FEW GOOD THINGS YOU WANT.**

- Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
- Boston Ferns, 5-in., 25c each.
- Whitmani Ferns, 4-in., 25c.
- Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
- Vinca Var., 2-in., 2c.
- Asparagus Sprengeri, 2-in., \$2.50 per 100.
- Asparagus Plumosus, 2-in., \$3.00 per 100.
- Coleus, Althernantheras, red and yellow, Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash on order.

**GEO. M. EMMANS,** Newton, N. J.  
Mention the American Florist when writing

**Boston Ferns...**

- \$3.00 per 100.....\$30.00 per 1000
- Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2 1/2-in., \$6.00 per 100; \$50.00 per 1000.
- Roosevelt, \$6.00 per 100; \$50.00 per 1000.
- 250 plants at 1000 rates.

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Choice 2 1/2 inch, \$5 per 100; \$45 per 1000



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A SPECIALTY.

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WEST GROVE, PA

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### Prices of Indoor Fruits and Vegetables.

Chicago, June 24.—Mushrooms, 7½ cents to 10 cents per small case; lettuce, 10 cents to 20 cents per tub; cucumbers, 25 cents to 35 cents per dozen.

New York, June 22.—Mushrooms, 50 cents to \$1.50 per 4-pound basket; cucumbers, 50 cents to 75 cents per dozen, \$2 to \$3 per box; tomatoes, 8 cents to 15 cents per pound.



A New Jerusalem Artichoke.

### A New Jerusalem Artichoke.

A sport of Jerusalem artichoke, which we illustrate, appeared in a crop grown for Vaughan's Seed Store by that firm's specialist a few years ago and this novelty he has planted and established. It is much larger than the older variety, producing, according to the grower, tubers from six to sixteen inches in length and two inches in diameter. The specialist says that it is a wonderful producer, one hill producing from one small piece almost half a bushel of tubers. They are of excellent quality and very tender, so much so that many are broken in digging. Artichokes are not only appreciated as a vegetable, but are considered one of the best foods for hogs, and where productive one of the cheapest, and the specialist also says that the stems and leaves are good fodder for cattle and horses, who will eat it even after it has been killed by the frost.



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

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HOW TO GROW THEM

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The Best American Book on the Subject.

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# Canna Plants

Some good plants left in 2½ and 3 inch pots. Good variety. No King Humbert.

VAUGHAN'S SEED STORE  
CHICAGO

Budding Knife Free.

See Page 1399.

# ROSE PLANTS

2½-inch Pots

|                      | Per 100 | Per 1000 | Per 100          | Per 1000       |
|----------------------|---------|----------|------------------|----------------|
| American Beauty..... | \$4.00  | \$35.00  | My Maryland..... | \$5.00 \$40.00 |
| Perle .....          | 3.00    | 25.00    |                  |                |

PETER REINBERG, 30 E. Randolph St., Chicago

Special 10% discount off this FERN list for Cash with Order. If you are short on anything in soft wooded plants write us.

|                   | 2½-in. | 3-in.  | 4-in.   | 5-in.   | 6-in.   | 7-in.   | 8-in.    |
|-------------------|--------|--------|---------|---------|---------|---------|----------|
| Bostoniensis..... | \$5.00 | \$7.50 | \$12.50 | \$25.00 | \$40.00 | \$60.00 | \$100.00 |
| Whitmanii.....    | 6.00   | 7.50   | 15.00   | 35.00   | 50.00   | 75.00   | 125.00   |
| Amerpholii.....   | 7.50   |        |         | 40.00   |         |         |          |
| Piersonii.....    | 4.00   | 7.50   | 12.50   | 25.00   | 50.00   |         |          |
| Scottii.....      |        |        | 15.00   |         |         |         |          |
| Roosevelt.....    | 12.50  |        | 25.00   | 50.00   | 75.00   |         |          |
| Plumosus.....     | 3.50   | 7.50   | 15.00   | 25.00   | 50.00   |         |          |
| Sprengeri.....    | 2.50   | 6.00   | 15.00   | 25.00   | 40.00   |         |          |
| Maiden Hair.....  | 5.00   | 10.00  |         |         |         |         |          |
| Small Ferns.....  | 5.00   |        |         |         |         |         |          |

Large specimen ferns in 10 in. and 12 in. at \$2.00 to \$2.50 each. Ask for our other lists in season. Give Express Co. Pekin, Ill.

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Wholesale Grower

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## Bench Rose Plants == Grafted

Pink and White Killarney, 2-year-old stock.

\$50.00 per 1000. Now ready for shipment.

American Beauty Plants, \$50.00 per 1000.

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GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohi Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabions, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

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All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.



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Strictly First-Class Stock

Amorita, L'Alricanne, Col. D. Appleton, Smiths Advance, Major Bonnatton, White Bonnatton, Mrs. H. W. Buckbee, Baby, John Burton, Winter Cheer, Comoleta, Pickett's Crimson, Mlle. Margaret Desjouis, Wm. Duckham, Donatello, Diana, Dr. Enguehard, Helen Frick, White Helen Frick, October Frost, Yellow October Frost, Roman Gold, Glenview, Lynwood Hall, Convention Hall, Ivory, Pink Ivory, Yellow Ivory, Iva, Mrs. J. Jones, Yellow Mrs. Jones, Mrs. O. H. Kahn, Klondike, Viviani Morel, Nagoya, Patty, Glory of Pacific, Wells Late Pink, Quinola, Chas. Razer, Polly Rose, Rufus, Pres. Roosevelt, Roserie, Mrs. H. Robinson, Pacific Supreme, J. K. Shaw, Early Snow, Skibo, Clementine Tousey, Yellow Tousey, Unaka, Mayor Weaver, Yanoma.

From 2-in. pots, \$3.00 per 100, \$25.00 per 1000.  
**Fairy Queen**, Hartje & Elders pink Pompon for 1912.

From 2-in. pots, 25c each; \$2.00 per ten; \$15.00 per 100.

**Chrysolora**, from 2-in. pots, \$5.00 per 100; \$45.00 per 1000.

We still have a complete stock of Anemones, Pomspons, Singles and exhibitions.

Not less than 25 of a kind at 100 and 250 of a kind at 1000 rate.

Those desiring less than 25 plants of a kind will be quoted on application.

For type, color and flowering season, refer to our 1912 catalogue.

**ELMER D. SMITH & CO.,** ADRIAN, MICH.

# ARAUCARIAS OUR SPECIALTY



**Araucaria Excelsa**, April, 1911, importation raised from top cuttings, 6-7 in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

**Araucaria Excelsa Glauca and Robusia Compacta**, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

**Araucaria Excelsa**, new importation, arrived per steamer Lapland, in fine condition, out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.

**Kentia Belmoreana**, 4 year old, 30 to 35 inches high, \$1.50.

**Kentia Forsteriana**, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

**Kentia Forsteriana**, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

**Kentia Belmoreana**, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.

**Kentia Belmoreana**, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.

**Kentia Belmoreana**, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

**Kentia Belmoreana**, 4-in., 25c; 5½-in., 50c.

**Kentia Belmoreana**, 8-in. pots, made up of 4 plants, \$2.00. A big bargain.

**Kentia Forsteriana**, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.

**Kentia Forsteriana**, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00 each.

**Cocos Weddelliana Palms**, made up of 3 plants, 4 to 5 in. pots, 30c to 40c; 3-in., 15c.

**Areca Lutescens Palms**, made up of 3 plants, 4 in., 20c to 25c; 5¼-in., made up of 3 plants, 25c to 30c.

**Aspidistras**, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf.

**Corphea Australis Palms**, 5-in. pots, 20-in. high, 35c.

**Ficus Elastica**, Belgium stock, large 4-in., 25c; American stock, 5-5½-in., 30c, 35c to 40c.

**Cosmos**, assorted colors or separate, 3 plants in a pot, \$5.00 per 100.

**Shasta Daisies**, best white large-flowering hardy daisy, 2½-in., \$5.00 per 100.

**Asparagus Plumosus**, 2½-in., \$25.00 per 1000, \$3.00 per 100; 3-in., \$5.00 per 100.

**Asparagus Sprengeri**, 4-in., 10c; 3-in., 4c.

**Asters**, 5 separate colors, 2½-in., 3c; Crego, white, pink and rose, 2½-in. pots, \$3.00 per 100.

## Ferns.

**Neph. Cordata Compacta**, 4-in., 20c; 3-in., 15c.

**Neph. Whitmani**, 5½ to 6-in. pots, 35c, 40c and 50c.

**Fern Balls**, just arrived from Japan, large size, dormant, 25c (worth 50c).

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

# GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

# ROSE STOCK

**American Beauty.**

\$10.00 per 100; \$90.00 per 1000.

**Rose Queen and Lady Hillingdon.**

\$20.00 per 100; \$150.00 per 1000.

**Killarney and Richmond.**

\$8.00 per 100; \$70.00 per 1000.

**Sunburst.**

\$30.00 per 100; \$250.00 per 1000.

All the above are splendid 3 and 4 in. stock.

# Chrysanthemums

All good Commercial Varieties.  
 ready for immediate delivery.

**GHAS. H. TOTTY, Madison, N.J.**

# CANNAS

**King Humbert**, a foot high; fine plants out of 3-in. pots ..... 7c  
**Mont Blanc, Improved**, 4-in. pots ..... 25c  
**Wm. Sanders**, 4-in., extra large ..... 25c  
 20 Other Varieties in 3-in. pots.  
 Send for list.

**The Cedar Hill Gardens,**  
 Sea Cliff, L. I., N. Y.

Long Distance Phone. Cash with order, please.



## Special Prices on BAY TREES

Every florist should have some of these on hand for decorating purposes. Nothing is more handsome and effective.

| Diam. Crown  | Height of Stem | Planted in tub | Planted in Mission Plant Box |
|--------------|----------------|----------------|------------------------------|
| 18 to 20 in. | 24 in.         | \$ 4.00 each   | \$ 5.75 each                 |
| 24 to 26 "   | 36 to 40 "     | 6.00 "         | 9.00 "                       |
| 28 to 30 "   | 36 to 40 "     | 7.75 "         | 10.50 "                      |
| 32 to 36 "   | 36 to 40 "     | 10.00 "        | 14.00 "                      |
| 38 to 40 "   | 36 to 40 "     | 11.50 "        | 16.00 "                      |
| 42 to 44 "   | 36 to 40 "     | 16.00 "        | 20.00 "                      |
| 46 to 48 "   | 36 to 40 "     | 20.00 "        | 25.00 "                      |

Order your Bay Trees planted in Mission Boxes as they do not blow over as easy as when planted in round tubs. We always ship these by freight unless otherwise instructed. They can be shipped with perfect safety most any time of the year; order today and get the good of them this season.

We can also supply Boxwood in Pyramid, Bush or Standard. State size wanted.

**Wagner Park Conservatories**  
 Sidney, Ohio

## Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

## ROSES - Lady Hillingdon

3-in. pots at \$150.00 per 1000.

**Killarney**, 3-in., at ..... \$ 55.00 per 1000

**Safrano**, 2-in., at ..... 35.00 per 1000

**Rose Queen**, 3-in., at \$120.00 per 1000, the most beautiful pink rose.

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

# PALMS, FERNS

AND

Decorative Plants

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

The Early Advertisement Gets There

**The Nursery Trade**

American Association of Nurserymen.  
 Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y.  
 Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

RICHMOND, VA.—That the Virginia nurseries have improved greatly in recent years as regards the disease of plants is proved by the annual report of State Entomologist and Plant Pathologist E. A. Black. Inspection shows that all of the common plant diseases are less frequent than formerly. All diseased stock is destroyed and it is expected that this will eliminate the danger of infection entirely within a few years. All foreign nursery stock is inspected on its arrival at its destination.

**Orchard Speculation.**

The Chief of the Bureau of Plant Industry, Dr. B. T. Galloway, has called to the attention of the Secretary of Agriculture the increasing need for disseminating information which will be helpful to the thousands of city people and others who are being encouraged to put their savings into various land selling, orchard growing, crop producing propositions. Owing to the extensive advertising propaganda, many people with little or no knowledge of agricultural matters are being led to invest money in projects which by no reasonable chance can ever be made to pay the profits claimed for them. Secretary Wilson is very much interested in this matter and has issued instructions that full data be gathered in order that the Department through its publications and correspondence shall be in direct position to aid those who have been attracted by the promise of good investments but who would like to obtain reliable facts before taking action.

—For the Best New and Standard—

**DAHLIAS**

—Address—

**Peacock Dahlia Farms,**

P. O. Berlin, N. J. Williamstown June N. J.  
 Mention the American Florist when writing

THE

**Storrs & Harrison Co.**

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CATALOGUES AND PRICE LISTS  
 FREE ON APPLICATION

**PAINESVILLE, - OHIO**

Mention the American Florist when writing

**Robert Craig Co...**

**HIGH CLASS PALMS**

and Novelties in Decorative Plants.  
 Market and 49th Sts., Philadelphia, Pa.  
 Mention the American Florist when writing

**LARGE TREES**  
 OAKS and MAPLES  
 Pines and Hemlocks  
**ANDORRA NURSERIES.**  
 Wm. Warner Harper, Prop.  
 Chestnut Hill, PHILA., PA.

**SPECIALTIES.**  
 Roses, from 3-in pots. Chrysanthemums  
 Carnations for fall delivery. Smilax, Violets  
**IN BEST VARIETIES.**  
 Prices low. Send for list.  
**Wood Brothers,** FISHKILL  
 New York

**How about that FALL order for  
 ARBOR VITAE PYRAMIDALIS and BALSAM FIR?**

**THE FARMERS NURSERY CO. of Troy, Ohio,**  
 are propagators of the finest specimen Evergreens  
 in this country.

A card will bring you their circular.

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**B. & A. SPECIALTIES**

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens,  
 Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots,  
 Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only  
 a few minutes from New York City; Carlton Hill station is the second stop  
 on Main Line of Erie Railroad.

**BOBBINK & ATKINS**  
 Nurserymen and Florists. RUTHERFORD, N. J.

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**North Carolina  
 Natural Peach Pits**

**WE ARE THE LARGEST SHIPPERS OF  
 PEACH SEED IN THE SOUTH.**

**Our Seed Is Guaranteed to Give Satisfaction.**

We have a fairly good crop, and will book a limited quantity for delivery in August, September or October. Can furnish recommendations from the best Nurserymen throughout the North and West as to the kind of seed we ship and our responsibility. **Write Us for Prices.**

**J. K. Morrison Grocery & Produce Co.,**  
 Successors to  
 Morrison Produce & Provision Co., Statesville, N. C.

**Budding Knife Free. See Page 1399.**

# Bay Trees BOX TREES

## Palms and Bedding Plants

Large Assortment of Fine Stock.



|                      |                                 |        |                           |                 |
|----------------------|---------------------------------|--------|---------------------------|-----------------|
| 6-in.....            | <b>Ficus Elastica.</b> Each     | Doz.   | <b>Latania Borbonica.</b> | Doz.            |
| 7-in. branching..... | \$0.50                          | \$6.00 | Doz. Per 100              | Doz.            |
|                      | \$0.75 and \$1.00               |        | 4-in.....\$3.00           | 6-in.....\$6.00 |
|                      | <b>Ficus Repens (Climbing).</b> | Each   | 5-in..... 5.00            |                 |
| 2½-in.....           | \$0.50                          |        |                           |                 |

|                                           |                  |                                           |                 |
|-------------------------------------------|------------------|-------------------------------------------|-----------------|
| <b>Achyranthes</b> , 2-in. \$2.50 per 100 | Each             | <b>Lanatum Vine</b> .....                 | 3-in. \$0.07    |
| <b>Achyranthes</b> .....                  | Each             | ".....                                    | 4-in. .12       |
| <b>Ageratum</b> .....                     | 2-in. \$0.05     | <b>Lantanas</b> .....                     | 4-in. .08       |
| ".....                                    | 2-in. \$0.02½    | ".....                                    | 3-in. .05       |
| ".....                                    | 3-in. .05        | ".....                                    | 2-in. \$0.02½   |
| ".....                                    | 4-in. .07        | <b>Lobelia</b> , Single.....              | 2-in. \$0.02½   |
| <b>Asparagus Plumosus</b> ,               |                  | " Katherine Mal.                          |                 |
| 4 in.....                                 | per doz., \$1.50 | lard, Double.....                         | 2-in. 0.03      |
| 6 in., strong plants, 50c each;           | \$6.00 per doz.  | <b>Mme. Salteroi</b> .....                | 3-in. .05       |
| <b>Begonia Vernon</b> .....               | 2-in. .02        | <b>Marguerites</b> , Yellow.....          | 2-in. \$0.02½   |
| <b>Caladium Esculentum</b> .....          | 5-in. .15        | ".....                                    | 4-in. .08       |
| <b>Cannas</b> , Florence Vaughan,         |                  | " White.....                              | 2-in. \$0.02½   |
| Austria, Assorted and                     |                  | " Single.....                             | 4-in. .08       |
| Henderson.....                            | 4-in. .12        | White.....                                | 4-in. .08       |
| <b>Cofeus</b> , Verschaffeltii and        |                  | <b>Nasturtium</b> , Tall and              |                 |
| Golden Bedder.....                        | 2-in. \$0.02½    | Dwarf.....                                | 3-in. .04       |
| " Pfister, yellow and                     |                  | <b>Penisetum</b> .....                    | 2-in. \$0.02½   |
| red.....                                  | 3-in. .05        | <b>Pyrethrum</b> , Golden Feather.....    | .02             |
| <b>CYCLAMEN</b> , 3-in. \$6.00 per 100    |                  | <b>Ricinus</b> (Castor Bean).....         | 4-in. .08       |
| <b>English Ivy</b> .....                  | 4-in. .15        | <b>Rose Geraniums</b> .....               | 4-in. .08       |
| ".....                                    | 3-in. .07        | <b>Roses</b> , pot grown, 5 and 6-in..... | .25             |
| <b>Fuchsias</b> .....                     | 2-in. .03        | <b>Salvia</b> .....                       | 3-in. .05       |
| ".....                                    | 3-in. .05        | <b>Shasta Daisies</b> .....               | Seedlings,      |
| ".....                                    | 4-in. .08        | ".....                                    | \$5.00 per 1000 |
| <b>German Ivy</b> .....                   | 3-in. .06        | <b>Thunbergia</b> .....                   | 2-in. \$0.02½   |
| ".....                                    | 2-in. \$0.02½    | <b>Umbrella Plants</b> .....              | 4-in. .08       |
| <b>Heliotrope</b> .....                   | 4-in. .07        | <b>Verbenas</b> .....                     | 2-in. .02       |



### BOXWOODS

#### OBELISK.

|                                        |      |         |
|----------------------------------------|------|---------|
| 5 ft. high, 18-in. bottom measure..... | Each | \$10.00 |
|----------------------------------------|------|---------|

#### Globe Shaped.

|                                    |        |
|------------------------------------|--------|
| 15-18 in. top, 15-18 in. high..... | \$4.00 |
|------------------------------------|--------|

#### Standard.

|                   |        |
|-------------------|--------|
| 12 in. crown..... | \$1.50 |
| 15-18 " ".....    | 2.50   |
| 18-21 " ".....    | 3.00   |
| 21-24 " ".....    | 4.00   |
| 24-27 " ".....    | 6.00   |
| 32-34 " ".....    | 9.00   |
| 36-38 " ".....    | 9.00   |
| 40-42 " ".....    | 10.00  |

#### Pyramid.

|                 |       |
|-----------------|-------|
| 9 ft. high..... | 20.00 |
|-----------------|-------|

#### Kentia Belmoreana.

|           |        |              |        |          |         |
|-----------|--------|--------------|--------|----------|---------|
| 2-in..... | 4      | 8 in.        | \$1.50 | Per 100  | \$12.00 |
| 3-in..... | 4 to 5 | 8 to 10 in.  | 2.00   |          | 15.00   |
| 4-in..... | 4      | 12 in.       | 3.60   |          | 30.00   |
| 4-in..... | 4 to 5 | 12 to 15 in. | 4.50   |          | 35.00   |
| 5-in..... | 5 to 6 | 15 to 18 in. | 6.00   |          | 50.00   |
|           |        |              | Each   | Per doz. |         |
| 5-in..... | 5 to 6 | 18 to 20 in. | \$0.75 | \$ 9.00  |         |
| 6-in..... | 6 to 7 | 20 to 22 in. | 1.00   | 12.00    |         |
| 6-in..... | 6 to 7 | 22 to 24 in. | 1.50   | 18.00    |         |
| 7-in..... | 6 to 7 | 28 to 30 in. | 2.50   | 30.00    |         |
| 8-in..... | 7 to 8 | 40 to 45 in. | 5.50   |          |         |
| 9-in..... | 7 to 8 | 48 to 50 in. | 8.00   |          |         |
| 9-in..... | 7 to 8 | 50 to 54 in. | 10.00  |          |         |

#### Pandanus Veitchii.

|           |             |             |           |             |              |
|-----------|-------------|-------------|-----------|-------------|--------------|
| 4-in..... | Each \$0.50 | Doz. \$5.50 | 6-in..... | Each \$1.00 | Doz. \$12.00 |
| 5-in..... | .75         | 9.00        |           |             |              |



#### PHOENIX CANARIENSIS.

|                                      |      |         |
|--------------------------------------|------|---------|
| 7-inch pots, 40 to 44 in. high.....  | Each | \$ 2.50 |
| 8-inch pots, 46 to 50 in. high.....  |      | 4.00    |
| 9-inch pots, 50 to 54 in. high.....  |      | 8.00    |
| 10-inch pots, 60 to 64 in. high..... |      | 10.00   |

#### PHOENIX RECLINATA.

|           |      |        |      |         |
|-----------|------|--------|------|---------|
| 4-in..... | Each | \$3.00 | Doz. | \$20.00 |
| 5-in..... |      | 5.00   |      | 40.00   |
| 6-in..... |      | \$0.75 |      | 9.00    |

#### PHOENIX ROEBELENII.

|                   |      |        |      |         |
|-------------------|------|--------|------|---------|
| 2½ in.....        | Each | \$2.00 | Doz. | \$15.00 |
| 6-in.....         |      | 12.00  |      |         |
| 6-in. strong..... |      | 18.00  |      |         |

### BAY TREES

#### Pyramid.

|                 |      |       |
|-----------------|------|-------|
| 7 ft. high..... | Each | 15.00 |
| 9 " ".....      |      | 20.00 |

#### Standard.

|                                    |         |
|------------------------------------|---------|
| 1 2 ft. stem, 18-20 in. crown..... | \$ 4.00 |
| 3 " ".....                         | 6.00    |
| 3½ " ".....                        | 7.00    |
| 4 " ".....                         | 7.00    |
| 4 " ".....                         | 12.00   |
| 4 " ".....                         | 20.00   |

#### Kentia Forsteriana.

|           |        |              |        |          |         |
|-----------|--------|--------------|--------|----------|---------|
| 2-in..... | 4      | 8 to 10 in.  | \$1.50 | Per 100  | \$12.00 |
| 3-in..... | 4 to 5 | 12 to 14 in. | 2.00   |          | 15.00   |
| 4-in..... | 4 to 5 | 14 to 16 in. | 4.50   |          | 35.00   |
| 5-in..... | 5 to 6 | 16 to 18 in. | 6.00   |          | 50.00   |
|           |        |              | Each   | Per doz. |         |
| 5-in..... | 5 to 6 | 20 to 24 in. | \$0.75 | \$ 9.00  |         |
| 6-in..... | 5 to 6 | 24 to 30 in. | 1.00   | 12.00    |         |
| 6-in..... | 5 to 6 | 30 to 36 in. | 1.50   |          |         |
| 8-in..... | 5 to 6 | 40 to 42 in. | 4.50   |          |         |
| 9-in..... | 6 to 7 | 46 to 50 in. | 7.00   |          |         |

#### Made-up.

|                                                   |      |         |
|---------------------------------------------------|------|---------|
| 8-in., 3 to 4 in a pot, 24 to 30 inches high..... | Each | \$ 2.00 |
| 9-in., 3 to 5 " ".....                            |      | 8.00    |
| 10-in., 4 to 5 " ".....                           |      | 10.00   |
| 12-in., 4 to 5 " ".....                           |      | 15.00   |

#### Dracaena Dividiva.

|                                                  |                 |
|--------------------------------------------------|-----------------|
| The best plant for the center of cemetery vases. |                 |
| 6-in., beautiful specimens, 3ft. high.....       | \$5.00 per doz. |
| 8-in., beautiful specimens, 3ft. high.....       | \$1.50 each     |

#### Cyperus Alternifolius.

|           |                                  |
|-----------|----------------------------------|
| 4-in..... | \$1.50 per doz.; \$10.00 per 100 |
|-----------|----------------------------------|

|                             |                  |
|-----------------------------|------------------|
| <b>Cycas Revoluta</b> ..... | .50 and 75c each |
|-----------------------------|------------------|

#### Pandanus Utilis.

|           |      |        |
|-----------|------|--------|
| 3 in..... | Doz. | \$1.50 |
|-----------|------|--------|

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Boxwood. Bobbink & Atkins, Rutherford, N. J.

## BULBS.

Bulbs, begonia, single flowering, 40c per doz.; \$2.50 per 100; \$22 per 1,000; double flowering 60c per doz.; \$4 per 100; \$35 per 1,000; Gloxinias, separate colors, 75c per doz.; \$5 per 100; \$47.50 per 1,000. Pottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Gladiol., Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Neginscott, etc., Lilies, E. S. Miller, Wading River, N. Y.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Begonias and gloxinias. McHutchison & Co., 17 Murray St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs. Surplus of L. Multiflorum, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

## CANNAS.

Cannas. Duke of Marlborough, Burbank, \$2 per 100. Coronet, Florence Vaughan, \$1.50 per 100. A. S. Watkins, West Grove, Pa.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, leading kinds. Cedar Hill Gardens, Sea Cliff, L. I., N. Y.

## CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

## CARNATIONS.

Carnations Brooklyn. Rooted cuttings, \$12 per 100; \$10 per 1,000; 250 at 1,000 rate, Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$3 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants are now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Carnations, Mrs. C. W. Ward, White Enchantress, White Wonder, White Winsor, Beacon, White Perfection, Winsor, May Day. A. N. Pierson, Inc., Cromwell, Conn.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Bonfire, rooted cuttings, \$4.50 per 100; \$40.00 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

**CHRYSANTHEMUMS.**

**HEADQUARTERS**

**CHRYSANTHEMUMS, ROOTED CUTTINGS  
OUT OF SAND AND SOIL.**

|              |         |
|--------------|---------|
| White.       | Per 100 |
| Early Snow   | \$2.50  |
| Mrs. Buckbee | 2.00    |
| Gloria       | 2.00    |
| Estelle      | \$2.00  |
| Lynwood Hall | 1.50    |
| Touset       | 1.50    |
| White Ivory  | \$2.00  |
| Chadwick     | 2.50    |
| W. Bonnafon  | 1.50    |
| Snow Queen   | 2.50    |
| Yanoma       | 2.00    |

|                |      |
|----------------|------|
| Yellow.        | 2.00 |
| Monrovia       | 2.00 |
| Robt. Halliday | 2.00 |
| Col. Appleton  | 2.00 |
| Major Bonnafon | 2.00 |
| Romance        | 2.00 |
| Yellow Eaton   | 2.00 |
| Nagoya         | 1.50 |
| Golden Eagle   | 2.00 |

|               |      |
|---------------|------|
| Pink.         | 1.50 |
| Rosiere       | 1.50 |
| Pacific       | 1.50 |
| Monogram      | 2.00 |
| Gloria        | 2.00 |
| Marion Newell | 2.00 |
| Dr. Enguehard | 2.00 |
| Maud Dean     | 2.00 |
| Red.          | 1.50 |
| Intensity     | 1.50 |

**POMPONS.**

|                 |      |
|-----------------|------|
| White.          | 2.00 |
| Baby Margaret   | 2.00 |
| Lulu            | 2.00 |
| Yellow.         | 2.00 |
| Quinola         | 2.00 |
| Baby            | 2.00 |
| Pink.           | 2.00 |
| Mrs. E. Roberts | 2.00 |
| Ladysmith       | 2.00 |
| Emille          | 2.00 |
| Bronze.         | 2.00 |
| Mary Richardson | 2.00 |

**CUT BACK PLANTS—OUT OF SOIL.**

|                 |         |
|-----------------|---------|
| White.          | 2.50    |
| Early Snow      | 2.00    |
| Buckbee         | 2.00    |
| Lynwood Hall    | 2.00    |
| Touset          | 2.00    |
| Snow Queen      | 2.00    |
| Chadwick        | 3.00    |
| Bonnafon        | 2.00    |
| Yanoma          | 2.00    |
| Yellow.         | 2.00    |
| Golden Glow     | 2.00    |
| Halliday        | 2.00    |
| Appleton        | 2.00    |
| Bonnafon        | 2.00    |
| Golden Chadwick | 2.50    |
| Eaton           | 2.00    |
| Nagoya          | 2.00    |
| Pink.           | Per 100 |
| Rosiere         | \$2.00  |
| Pacific         | 2.00    |
| Monogram        | 2.00    |
| Gloria          | 2.00    |
| Marion Newell   | 2.00    |
| Dr. Enguehard   | 2.00    |
| Rosette         | 2.00    |
| Maud Dean       | 2.00    |
| Red.            | 2.00    |
| Intensity       | 2.00    |

**POMPONS—CUT BACK.**

|                 |         |
|-----------------|---------|
| White.          | Per 100 |
| Baby Margaret   | \$2.00  |
| Lulu            | 2.00    |
| Pink.           | 2.00    |
| Emille          | 2.00    |
| Mrs. E. Roberts | 2.00    |
| Ladysmith       | 2.00    |
| Yellow.         | 2.00    |
| Baby            | 2.00    |
| Golden Star     | 2.00    |
| Quinola         | 2.00    |
| Bronze.         | 2.00    |
| Mary Richardson | 2.00    |

**WIETOR BROS.,**

162 N. Wabash Ave., Chicago.

**CHRYSANTHEMUMS.**

|                  |                |            |
|------------------|----------------|------------|
| Crimson.         | R. C. Per 100. | Per 1,000  |
| Pocket's Crimson | \$2.50         | \$20.00    |
| Intensity        | 2.00           | 15.00      |
| White            | R. C. Per 100. | Per 1,000. |
| Alice Byron      | \$2.00         | \$15.00    |
| Touset           | 2.00           | 15.00      |
| October Frost    | 2.00           | 15.00      |
| Yellow.          | R. C. Per 100. | Per 1,000. |
| Crocua           | \$4.00         | \$35.00    |
| Golden Glow      | 2.00           | 15.00      |
| Halliday         | 2.00           | 15.00      |
| Maj. Bonnafon    | 2.00           | 15.00      |
| Pink.            | R. C. Per 100. | Per 1,000. |
| Pacific Supreme  | \$2.00         | \$15.00    |

J. D. THOMPSON CARNATION CO., JOLIET, ILL.

Chrysanthemums. Chas. H. Totty, Madison, N. J.  
Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

ROOTED CUTTINGS out of Sand. Out Door Propagation. Ready to ship. Safe arrival guaranteed. \$1.50 per 100; \$12.50 per 1,000. White:—Oct. Frost, C. Touset, White Cloud, Kalb, Queen, Mlle. Des Jonis, Florence Pullman, Yanoma. Yellow:—Halliday, Col. Appleton, Golden Wedding, \$1.50 per 100. Pink:—Maud Dean, Jeanne Rosette, \$1.50 per 100; \$12.50 per 1,000. MEMPHIS FLORAL CO., 145 South Main St., Memphis, Tenn.

**CHRYSANTHEMUMS—Rooted Cuttings.**

1,500 Touset, 1,500 W. Ivory, 2,000 Mrs. David Syme, 2,500 Yellow Jones, 3,000 Alice Byron, 1,500 Pacific Supreme, 2,500 W. Bonnafon, 1,500 M. Bonnafon, 3,000 Rosette, 2,000 Baby (yellow), 2,000 Halliday, and others. Send for list.

WILLIAM SWAYNE, Kennett Square, Pa.

Chrysanthemums, cuttings, from sand and soil as follows: White: White Bonnafon, Estelle, Polly Rose, Oct. Frost, Ivory, Silver Wedding. Yellow: Golden Glow, Maj. Bonnafon, Yellow Eaton, Yellow Ivory. Pink: Glory Pacific, Pacific Supreme, Minnie Bailey, \$1.25 per 100; \$12 per 1,000. D. H. Green, Boonsboro, Md.

Transplanted chrysanthemums, yellow: Monrovia, Cremo, Halliday, Bonnafon, Whilldin, White Opha. Pink: Pacific, Pacific Supreme, M. Bailey, \$1.25 per 100; \$12 per 1,000. White: Early Snow, Touset, Clay Frick, Nonin, Bonnafon, Taft, S. Wedding. Pink: Duckham, Enguehard, \$1.75 per 100; \$15 per 1,000. Cash, please. A. S. Watkins, West Grove, Pa.

Chrysanthemum plants, 2 1/2-in., White and Yellow Bonnafon and Chadwick, \$2.50 per 100; \$20 per 1,000. Graylund, Florist, 3442 Lowell Ave., Chicago, Ill.

Chrysanthemums. The best for florata' use. For list of varieties see advertisement elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, strictly first-class stock, White, Chadwick, Yellow Chadwick, White Jones and Yellow Jones, R. C., \$2.50; 2 1/2-in. pots, \$3.50 per 100. Otto J. Hembreker, Lincoln, Ill.

**CINERARIAS.**

Cineraria, 2-in., frame grown, Dwarf Gold Medal Strain, tall and Stellata, 2 1/2-c; Dwarf double, 3c. J. L. Schiller, Toledo, O.

**CLEMATIS.**

Clematis paniculata, field-grown, \$4.50 per 100; \$40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T. Smith Co., Geneva, N. Y.

**COLEUSES.**

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Paineville, O.

Coleus, 10 varieties, 2 1/2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

**CYPERUS.**

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

**DAHLIAS.**

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, leading kinds, \$3.50 per 100; \$30 per 1,000. Divided field-roots, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Dahlias, new and standard varieties. Bassett & Weller, Hammonon, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

**DRACAENAS.**

Dracena indivisa, 4-in., \$10 per 100; 6-in., \$25 per 100. Calvert Floral Co., Lake Forest, Ill.

Dracena indivisa, 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$4 per doz., \$30 per 100. Large plants, 8 and 9-in., \$1, \$1.50 and \$2. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Dracena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roehra Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

**FERNS.**

Boston ferns for 4, 5 and 6-in., 12c, 20c and 25c. 25,000 Boston and Whitmani for 2 and 3-in., \$20 per 1,000. True Winter flowering yellow Marguerites unrooted, \$2; rooted, \$4 per 100. Cash. A. G. Lake, Wellesley Hills, Mass.

FERNS FOR DISHES, 2-in. assorted, \$3 per 100; \$25 per 1,000. Aspidium tsusenense, \$3.50 per 100. ROBER & RADKE, Maywood, Ill.

Ferns, Boston, 2 1/2-in., \$3 per 100; \$30 per 1,000. Whitmani, 2 1/2-in., \$5 per 100; \$40 per 1,000. 250 at 1,000 rates. H. H. Barrow & Son, Whitman, Mass.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aachmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechalin, 4911 Quincy St., Chicago.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Boston ferns, 8 to 12-in. Erie Floral Co., Erie, Pa.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Lobbink & Atkins, Rutherford, N. J.

**GERANIUMS.**

Geraniums, Nutt, Buchner, Viaud, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

4,000 A. No. 1 stock, S. A. Nutt and Ricard; all in bud and bloom. Must be sold quick; need the room, \$7 per 100. Cash with order. Frank Felke, 828 Ridge Ave., Wilmette, Ill.; Telephone 1236 Wilmette.

GERANIUMS, standard varieties, strong stock, 3-in., \$4 per 100; 2 1/2-in., \$2.50 per 100. Poitevine and Harrison, \$3 per 100. ROBER & RADKE, Maywood, Ill.

GERANIUMS, all varieties. Large plants, \$8 per 100. M. C. Gunterberg, 82-86 E. Randolph St., Chicago, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Nutt, and 5 varieties 3-inch, my selection, \$6 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, R. C. Nutt, Poitevine and Ricard, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Ricard, La Favorite, Sallerod, Strong 4-in., 6c; 3-in., 3c. Trullit's Greenhouses, Chanute, Kans.

Geraniums, Mme. Sallerod, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Paineville, O.

Geranium, Nutt, Doyle, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, 4-in., all colors, \$7 per 100. Calvert Floral Co., Lake Forest, Ill.

**GREENS.**

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kevan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Southern Wild Smilax. Caldwell The Woodman Co., Evergreen, Ala.

Greens. Henry M. Robinson & Co., 46 W. 26th St., New York.

**HARDY PLANTS.**

Hardy pink, field clumps, \$2 per 100. Sweet williams, field clumps, \$3 per 100; \$25 per 1,000; small plants, 50c per 100; \$3.50 per 1,000. J. C. Schmidt, Bristol, Pa.

**If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It**

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Recae Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

**HOLLYHOCKS.**

Hollyhocks, dbl., 75c per 100; \$5 per 1,000. J. C. Schmidt, Bristol, Pa.

**HELIOTROPES.**

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

**HYDRANGEAS.**

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

**IVIES.**

English ivies, 3-in. pots, \$1 per 100. Oct. cuttings, fine for planting out for fall stock; extra long vines. Leonard Utzinger, 800 Lake View Road, Cleveland, O.

English ivy, 2 1/2-in., \$3 per 100. The Good & Recae Co., Springfield, O.

**LANTANAS.**

Lantanas, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

**LILY OF THE VALLEY.**

**To Import.**

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the Valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

**From Storage.**

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

**MUSHROOM SPAWN.**

Mushroom Spawm. Lambert's Pure Culture. American Spawm Co., St. Paul, Minn.

**NURSERY STOCK.**

Arbor-Vitae, excellent stock, 24 inches and over; Rosedale, Biota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

North Carolina natural peach pits. J. K. Morrison Grocery and Provision Co., Statesville, N. C.

Nursery stock, Arbor-vitae Pyramidalis and balsam fir. The Farmers Nursery Co., Troy, O.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries. Aalsmeer, Holland.

**OLEANDERS.**

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**ORCHIDS.**

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Reigate, England.

Orchids, Cattleya and Laella Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid pent. The C. W. Brownell Co., Walden, N. Y.

**PANDANUS.**

Pandanus utilis and Veitchii. For prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20 per 100. Storrs & Harrison Co., Palmesville, O.

**PALMS.**

Cycas stems, dormant, 50 lbs., per lb., 10c; 50 to 100 lbs., 0c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs. and up, 7 1/2c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aeschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Palmesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock Co., Wyncote, Pa.

Phoenix Rebelemi, 12-in. pots, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Palms. McHutchison & Co., 17 Murray St., New York.

**PANSIES.**

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, galliardias, \$2.50 per 1,000; \$10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

**PEONIES.**

Peonies. W. & T. Smith Co., Geneva, N. Y.

**PETUNIAS.**

Petunias, \$3 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

**POINSETTIAS.**

POINSETTIAS OUR SPECIALTY. Headquarters of the West, 2 1/2-in. strong plants, \$5 per 100; \$40 per 1,000; 2 1/2-in. extra strong, \$6 per 100; \$50 per 1,000; 3-in. strong plants, \$7 per 100. All top cuttings. Ready middle of July. Orders booked now. We practice particular packing. ROBER & RADKE, Maywood, Ill.

Poinsettias, 2 1/2-in. pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2 1/2-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

**PRIMULAS.**

Primula, 2-in., frame grown, main specialty for many years, OBCONICA Ronsdorfer and Latham strains, positively best in existence. GRANDIFLORA, 10 colors and GRANDIFLORA FRINGED, 5 colors, 2 1/2c. GIGANTEA, 5 colors, 3c. MALACOIDES and KBWENSIS, 3c. J. L. Schiller, Toledo, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash please. J. W. Miller, Shremanstown, Pa.

**RESURRECTION PLANTS.**

Resurrection plants, selected stock, \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**RHODODENDRONS.**

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 18-24 in., named vars., \$40 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York.

**ROSES.**

**CHOICE ROSE PLANTS.**

|                            |          |            |
|----------------------------|----------|------------|
|                            | Per 100. | Per 1,000. |
| American Beauty, 2 1/2-in. | \$6.00   | \$50.00    |
| Jardine, 2 1/2-in.         | 3.00     | 25.00      |
| Uncle John, 2 1/2-in.      | 3.00     | 25.00      |
| My Maryland, 2 1/2-in.     | 4.00     | 30.00      |
| Richmond, 2 1/2 in.        | 3.00     | 25.00      |
| Richmond, 3-in.            | 4.00     | 35.00      |

Ready Now. Order Early.

**WIETOR BROS.,**

162 N. Wabash Ave., Chicago.

**ROSES FOR LINING OUT.**

|            |               |
|------------|---------------|
| Orleans    | per 100       |
| Hawatha    | 7.50 per 100  |
| Lady Gay   | 4.00 per 100  |
| Evangeline | 10.00 per 100 |
| Minnehaha  | 10.00 per 100 |

Miss Messman of Climbing Baby Rambler, \$7.50 per 100.

**THE CONARD & JONES CO.,**

West Grove, Pa.

**ROSE PLANTS.**

Extra fine, clean, well-grown and healthy stock. Big bargain at the prices quoted. You cannot afford to miss this. Order now.  
Per 100 Per 1,000  
Richmond, 3 1/2-in. \$6.00 \$50.00  
Richmond, 2 1/2-in. 4.00 35.00

**SINNER BROS.,**

82 E. Randolph St., Chicago, Ill.

Roses, Killarney Queen, and Dbl. White Killarney, grafted, \$30 per 100; 250, \$70; \$250 per 1,000; own roots, \$25 per 100; \$200 per 1,000. Richmond grafted, \$15 per 100; \$120 per 1,000; own root, \$7.50 per 100; \$60 per 1,000. Mrs. Taft, own roots, \$7.50 per 100; \$60 per 1,000. Radance, own root, \$7.50 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, grafted, Mrs. Aaron Ward, \$12 per 100. White Killarney, \$12; Rhea Reid, \$12. Perles, own roots, \$3.50 per 100; 2 1/2-in. pots, \$30 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, strong, clean stock, Kaiserin Augusta Victoria, Perle, Richmond, White and Pink Killarney, own roots out of 3 1/2-in. pots at \$6 per 100. P. E. Quinlan, Syracuse, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. Erie Floral Co., Erie, Pa.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, 2 1/2-in. pots. Am. Beauty, \$4 per 100; \$35 per 1,000. Perle, \$3 per 100; \$25 per 1,000. My Maryland, \$5 per 100; \$40 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses, hybrid perpetual and Ramblers. Strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Beauty bench plants, 1-year-old, \$30 per 1,000. Asparagus plumosus, bench plants, 1-year-old, \$25 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Roses, own root and grafted. For varieties and prices see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Pochmann Bros. Co., Morton Grove, Ill.

Roses. For varieties and prices see advertisement elsewhere in this issue. J. A. Bnd-long, 82-86 E. Randolph St., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

**SEEDS.**

SOW NOW if you want them for early Spring sales.

|                                    |        |        |
|------------------------------------|--------|--------|
|                                    | 6 tr.  | Tr.    |
| Begonia Bedding Queen, finest pink | \$2.50 | \$0.50 |
| " Gracillis luminosa, finest red   | 2.50   | .50    |
| " Triumph, finest white            | 2.50   | .50    |

O. V. Zangen, Hoboken, N. J.

Seeds, beans, peas, sweet peas, corn, onions, turnip, radish, beet, etc. The Everett B. Clark Seed Co., Milford, Conn.

Asparagus seed, just picked, A. plumosus seed, \$2.50 per 1,000. A. Sprenger seed, \$2.50 per lb.; 50c per 1,000. Cash. Thos. Windram, Cold Spring, Ky.

Seed, Asparagus plumosus, per 100 seeds, 50c; 500 seeds, \$1.50; 1,000 seeds, \$3. Vaughan's Seed Store, Chicago and New York.

Seeds, asparagus, peppers, melons, etc. J. B. Hoopes & Co., Muscatine, Iowa.

Seeds, watermelon and muskmelon. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, sweet peas. Burnett Bros., 72 Cortlandt St., New York.

Seeds, specialties, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, N. J.

Pansy seed. For varieties and prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, beans, peas, radish and all garden seeds, onion sets. Leonard Seed Co., 228-30 W. Kinzie St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds. Francis Brill, Hempstead, L. I., N. Y.

#### SMLAX.

Smlax, atrong, 2-in., 2c; per 1,000, \$18. J. L. Schiller, Toledo, O.

Smlax, 2-in., \$1.50 per 100. Elmer Rawlins, Olean, N. Y.

Smlax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

#### VEGETABLE PLANTS.

Late cabbage and tomato plants to close out, \$2 per 1,000. Danville Floral Co., Danville, Ill.

Cabbage plants, early and late varieties, 40c per 100; \$3.50 per 1,000. Graylund, Florist, 3442 Lowell Ave., Chicago, Ill.

20,000 tomato; 10,000 cauliflower and mango pepper; 10,000 Kale and Kohl rabi plants, \$2 per 1,000; 30c per 100 by mail. Late cabbage, \$1 per 1,000. Cash. Mrs. Edward Hayden, Greenview, Ill.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. Sluis Seed Store, 544 W. 63rd St., Chicago.

Celery plants, Golden Self Blanching, the Kalamazoo Kind, \$1 per 1,000. Cash. The Brill Celery Gardens, Kalamazoo, Mich.

Vegetable plants. W. C. Lester, Plainville, Conn.

#### VERBENAS.

Verbenas, seedlings, atrong plants, 60c per 100; 2 1/2-in., assorted, \$1.50 per 100. Rober & Radke, Maywood, Ill.

#### VINCAS.

Vinca var., extra strong 4-in., \$8 per 100; 2 1/2-in., \$2.50. Brus Bros., R. D. No. 6, Independence, Mo.

Vincas, big, strong, 3-in., \$5 per 100; \$45 per 1,000. C. Humfeld, Clay Center, Kans.

#### YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100, (rare bargains). P. O. B. 173, Texas Nursery and Floral Co., Alvin, Texas.

#### TO EXCHANGE.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 173, Texas Nursery and Floral Co., Alvin, Texas.

#### BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

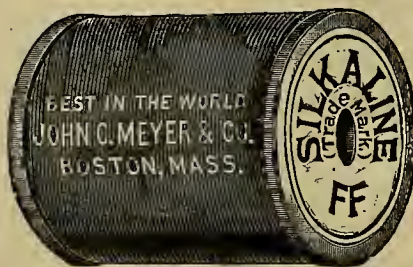
Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

#### BUILDING MATERIAL.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Greenhouse lumber of all kinds. Lockland Lumber Co., Lockland, O.

Building material, cold frames, hothed sash. Hitchings & Co., 1170 Broadway, N. Y.



## The Meyer Green Silkline

The Best Thread on The Market  
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

**John C. Meyer & Co., Lowell, Mass.**  
THE LOWELL THREAD MILLS.

## THE CHRYSANTHEMUM MANUAL.

By ELMER D. SMITH.

NEW AND REVISED EDITION.

Price 40 Cents. Cash with order,  
**AMERICAN FLORIST CO.**  
440 S. Dearborn St., CHICAGO.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Man furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hothed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hothed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

#### CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 39-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

#### FERTILIZERS.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

#### GREENHOUSE CONSTRUCTION.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Greenhouse construction, semi-iron greenhouse, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2642 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern design. Hitchings Co., 1170 Broadway, New York.

## H. BAYERSDORFER & CO.



### Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.  
Send for our new catalogue.

## REED & KELLER, 122 W. 25th St., NEW YORK. FLORISTS' SUPPLIES.

We Manufacture all our Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

#### GUTTERS

Guttera. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

Guttera. Jennings' improved iron gutters. Diller, Caskey & Keen, Sixth and Berk Sts., Philadelphia.

#### MISCELLANEOUS.

Clara cemetery vases, 12 in. high, doz., \$2.50; barrel of 3 doz., \$6, f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

No. 116 "Clipper" Cleaner. See advertisement elsewhere in this issue. A. T. Ferrell & Co., Saginaw, Mich.

Iron reservoir vases and lawn settees. McDonald Bros., Columbia, O.

Seed package cases. C. Doering & Son, 1375 W. Lake St., Chicago.

Seed packets. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Baskets, see advertisement elsewhere in this issue. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Ribbons and chiffons. Wertheimer Bros., 565 Broadway, New York.

Greenhouse glass, angle and double. Baur Window Glass Co., Easton, Ind.

Mastica for greenhouse glazing. F. O. Pierca & Co., 12 W. Broadway, New York.

#### POTS, PANS, ETC.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

#### REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

#### STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

**If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It**



WRITE TO-DAY  
FOR A  
TRIAL  
TRAP

Heiss Company  
FLORISTS  
DAYTON, O.

February 27th, 1912.

Mr. William MacLachlan,  
Dist. Mgr. Morehead Mfg. Co.,  
Ft Wayne, Indiana.

Dear Sir:

It is with pleasure that we add a word of praise for the Morehead Trap System which we installed in our plant last fall. We feel that the results obtained fully justify the cost of the system; in fact, we have already saved the cost of the machines in a saving of fuel, in-as-much as we have used no more coal this winter, which has been an extremely long and severe one, than we did last winter which was an unusually mild one. We have been put to no expense in its upkeep and has given us no trouble whatever.

Wishing you all the success that your system deserves, we are,

Yours very truly,

HEISS COMPANY

*Francis M. Frank*

HMF-GW

Be an Eye-Witness to the Benefits of the

*Morehead*  
Back to Boiler  
**SYSTEM**



Put a Morehead Trap in your greenhouses on trial. You are placed under no obligations. All we ask is a fair trial. The rest we leave to you.

WRITE TODAY.

**How do You Handle Steam Condensation?**

Are you saving the heat and turning it back into the boilers? Can you take care of condensation without poor steam circulation, leaks or repair expenses?

These are questions that are worth a thoughtful answer—they decide between heating economy or heating waste, good or poor stock, success or failure.

**Morehead Manufacturing Company**

DETROIT, MICHIGAN

Stocks Carried in

New York  
Chicago

Wichita, Kan.  
New Orleans, La.

Philadelphia  
Birmingham, Ala.

Memphis, Tenn.  
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**Tobacco Paper** "Nico-Fume" **LIQUID**  
**IS THE STRONGEST BEST PACKED EASIEST APPLIED**  
**OVER 40% NICOTINE**  
 By far the **CHEAPEST**  
**Furnishes the Most Nicotine for the Money!**  
**JUST NOTE PRICES**

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|------------------------|------------------------------------------------------------------|----------------------|
| 24 sheets.....\$ 0.75  | Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky. | Pint.....\$ 1.60     |
| 144 sheets..... 3.50   |                                                                  | 1/2 Gallon..... 5.50 |
| 288 sheets..... 6.50   |                                                                  | Gallon..... 10.50    |
| 1728 sheets..... 35.10 |                                                                  | 5 Gallons..... 47.25 |

**Everybody is Using**  
**Aphine**  
*The Insecticide that kills plant Lice of every species*

Dawson, Y. T., Can., April 29, 1912.  
 "Enclosed find money order, for which please send me by express three gallons of Aphine. The last shipment has proved exceedingly satisfactory." W. HORKAN.

**FUNGINE**

Livingston, Mont., May 18, 1912.  
 "I have been trying Fungine on lettuce for what is termed gray mold, and it seems to do the work. The trial has been brief, but sufficient to convince me that it is all right for this purpose. Please let me know the nearest supply point to me." EDGAR PHINNEY.

**FOR SALE BY SEEDSMEN**  
 Manufactured by  
**Aphine Manufacturing Company**  
**MADISON N. J.**

**Why Not You?**

*Mention the American Florist when writing*

Black flies and green flies are easy to kill with  
**"TIP TOP" BRAND**  
**TOBACCO POWDER**  
**FOR FUMIGATION AND SPRINKLING**

WRITE FOR SAMPLES  
**\$3 per 100 lb. bag**  
 Money with order

Satisfaction guaranteed or money back  
**Interstate Tobacco Co.**  
 713 1st. Ave., New York

*Green Flies and Black ones too*  
 are easy to kill with  
**The Fumigating Kind Tobacco Powder**  
**\$3.00 per bag 100 lbs.**  
 Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?  
**THE H. A. STOOFF CO., MOUNT VERNON, N. Y.**

**WIZARD BRAND**  
 TRADE MARK  
**PULVERIZED SHEEP - PULVERIZED CATTLE SHREDDED CATTLE MANURE**  
**Is UNEQUALLED for GREENHOUSE MANURING**

The enormous demand from leading growers throughout the country is best proof of this. Superior stock can only be grown by the application of superior methods. **Wizard Brand** is superior to rough stable manures because it is uniform, highly concentrated and specially treated to destroy weed seeds, fungus germs and bacteria which many times make heavy losses.

**THE BEST MANURE IS THE CHEAPEST MANURE**

It saves labor, is convenient and decidedly most effective. Insist on **Wizard Brand** when you buy. Your supply house can furnish it, or we ship promptly on direct orders.

**Ask for New Growers' Booklet.**

**THE PULVERIZED MANURE CO.,**  
 32 Union Stock Yards, CHICAGO, ILL.

**D. D. Johnson's Celebrated**  
**EVERGREEN BRAND FLOWER AND LAWN FERTILIZER**  
 Unrivalled For All Floricultural and Horticultural Purposes  
**GENUINE PLANT FOOD**  
 For Sale by Leading Dealers and Jobbers Everywhere  
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**United Fertilizer Company**  
 Manufacturers

143 North Wabash Avenue Chicago, Ill.



**Don't Wait Until it's Hotter than Blixen in Your Houses Before You Start the Boys Painting.**

It's not fair to them. They won't do half the work or do the work half.

Send at once for a tub of our special greenhouse ready mixed paint at

\$1.75 per gallon for more than 10 gallons.  
\$1.80 per gallon for 10 gallons or less.

Packed in 5 and 10 gallon tubs and 50 gallon barrels. If you would rather have a cheaper paint, one that's not entirely pure, send your order to the paint jugglers.

Pure paint or no paint, is where we stand.

We make every part of the greenhouse but the glass. We sell any part.



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**SALES OFFICES:**

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Boston Chicago  
Tremont Bldg. Rookery Bldg.

**FACTORIES:**

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**50% SAVED.  
Pipes, Flues**

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2113 S. Jefferson St., CHICAGO

**THE EARLY ADVERTISE-  
MENT GETS THERE.**



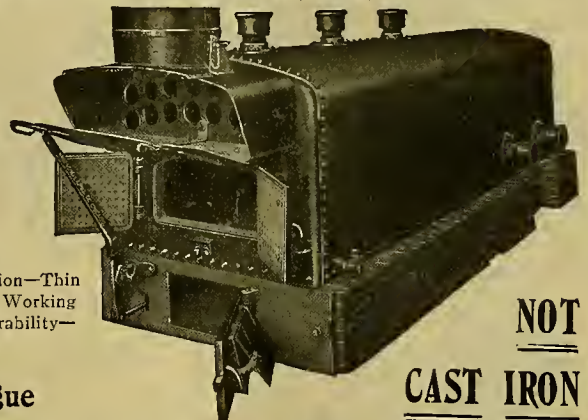
**KROESCHELL BOILERS  
ARE BETTER THAN CAST IRON BOILERS  
WHICH DO YOU WANT?**

**CAST IRON BOILERS—FOOL ECONOMY** (false ratings, fuel waste, danger of breakdowns, dealers' profits), OR

**KROESCHELL BOILERS—FUEL ECONOMY** (honest ratings, safety, quick heat, no boiler pits, no dealers' profits).

The KROESCHELL BOILER has the Highest Standard of HEATING VALUES.

Immense Self-Cleaning Heating Surface. Longest Fire Travel — Perfect Combustion—Free Circulation—Thin Waterways—Guaranteed Working Capacities — Safety — Durability—Efficiency and Economy.



**NOT  
CAST IRON**

Send for Catalogue

**READ WHAT THE USERS SAY ABOUT  
KROESCHELL BOILERS**

**Cast Iron Boiler Cracked in Two Years.**

"We have a No. 4 Kroeschell Boiler. It takes care of 7000 sq. ft. of glass; it would take care of twice that amount.

I first had a new cast iron boiler which lasted two years, when it cracked to pieces. The second was a second-hand boiler.

I consider your boiler the best paying investment I ever made.

You can refer anyone to us.  
MARYSVILLE FLORAL CO., Marysville, O.

**Cast Iron Cannot be Compared with Kroeschell.**

"We bought a No. 2 boiler in 1904. It takes care of 5000 sq. ft. of glass, and we could add 2000 more. We are very well satisfied. we used a cast iron boiler before we had yours. It cannot be compared with the Kroeschell Boiler. Your boiler has certainly a great capacity for heating water."

HALL & ROBINSON, Montreal, Canada.

**Kroeschell Better Than Cast Iron.**

"I bought a No. 6 Boiler in 1903. It has now 10,000 sq. ft. of glass, and we could add 3300 more. This is ahead of five or six cast iron boilers which I have used. I saved \$50 per season on the coal bill.

M. C. WARD, Quincy, Ill.

"I bought a No. 4 Boiler in 1902. Has 7000 sq. ft. of glass; could add 2000 more. It is perfectly satisfactory. Would keep only a Kroeschell Boiler. Would not have a cast iron boiler for a gift. GEO. ENGEL, Xenia, Ohio.

Mr. Engel has increased his plant and ordered another No. 4 Kroeschell.

**Better Than Cast Iron.**

"We bought a No. 1 Boiler in 1902. It is very satisfactory. We had several cast iron boilers, but like yours much better."

E. FERRAND & SONS, Detroit, Mich.

**Cost of Heating One-Half Less Than With Cast Iron Boilers.**

"I bought a No. 3 Boiler in 1901. We had a corrugated cast iron fire box boiler and a sectional cast iron boiler before we bought yours in 1901. The cost of the heating with your boiler is one-half less than it was with my cast iron boilers. Your No. 3 boiler, which we bought recently of you, is not being run to its capacity."

WM. GEENEN, Kimberly, Wis.  
Has enlarged place and installed another No. 6 Kroeschell.

**Kroeschell vs. Cast Iron.**

"I have one of your new 1910 model Kroeschell Boilers, and same has proven very satisfactory. We have no trouble to keep temperatures in the coldest weather. We fire once or twice during the day, and once at night, and have had the best satisfaction I have ever experienced in a boiler. Formerly I had two cast iron boilers; one cracked and I took both of these boilers out. My coal bill with the cast iron boilers ran from \$195 to \$207 per season during the past seven years. This year, with your boiler and soft coal, my coal bill was only \$103, and I still have some coal left. Your boiler is the best and cheapest on the market, not alone for the price, but also in fuel saving. I am very glad that you are so well known in Buffalo, N. Y. I have never heard anything but praise, in which I join heartily. Wishing you every success, I remain,

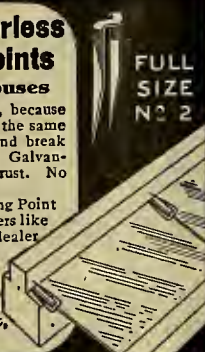
MAX BUEHLER, Porks, N. Y.

**KROESCHELL BROS. CO.,** 452 West Erie Street, CHICAGO, ILL.

**Dreer's Peerless Glazing Points**  
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.  
**HENRY A. DREER,**  
714 Chestnut Street,  
Philadelphia.



FULL SIZE NO 2

Mention the American Florist when writing

**MASTICA**  
FOR Greenhouse Glazing

USE IT NOW.  
**F. O. PIERCE CO.**  
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NEW YORK



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

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A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

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Dept. A. F., Springfield, Mass.

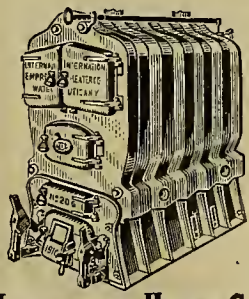


PROF. CRAIG.

**INTERNATIONAL HEATER CO., UTICA, N. Y.**

You May Think you can't afford the best greenhouse heating system, but you must admit that you need it.

Fuel economy and time saving will make an **INTERNATIONAL Empress Boiler** pay for itself. Can you afford to wait? Write us.




**SIEBERT'S ZINC**  
Never Rust  
**GLAZING POINTS**

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, 3/4 and 1/2. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

**RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.**



**ALL OVER THE UNITED STATES**



**KING GREENHOUSES**

All Kinds

**KING IRON FRAME**  
**KING SEMI IRON FRAME**  
**KING FLAT RAFTER TYPE**  
**KING CONSERVATORIES**

We have the Equipment, Ability, Experience and Inclination to give you the best of service in any kind of Greenhouse Project.

Try Us and Let Us Figure With You

**King Construction Co.**

Home Office and Works  
N. TONAWANDA,  
N. Y.

Eastern Sales Office  
1181 Broadway,  
NEW YORK

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**Attention! Glass Buyers!!**

**GREENHOUSE GLASS**

You will save money if you obtain our prices before you buy.

Quality A No. 1. Prompt shipments.

**Hooker's Greenhouse White Paint**

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

**H. M. HOOKER COMPANY,**

WHOLESALE GLASS AND PAINTS,

Long Distance Phone 651-659 West Washington Boulevard, Chicago  
Monroe 4994. Near Des Plaines St.,

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We are soon going abroad  
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## ?? Will You Place Import Orders ??

On first quality Cycas Leaves, Genuine  
Imported Waterproof Crepe Paper (trade-  
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and Words; also any other article coming  
from across the ocean which is worth  
while handling.

Write us now and we will let you in on  
Bedrock Prices

**American Importing Company**  
219 South Dearborn Street

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**Ventilating Apparatus**  
that will give perfect satis-  
faction, is just what you  
want. What we want is to  
call your attention to the  
fact that we are manufact-  
uring absolutely the most  
perfect apparatus on the  
market. We guarantee it  
to satisfy.

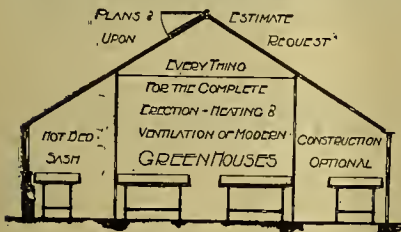
Send us the full dimen-  
sions of your house or  
houses, and we will quote  
you an attractive price.

Write for catalog any-  
way: it will interest you.

**ADVANCE CO.,** Richmond, Ind  
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## S. Jacobs & Sons

ESTABLISHED 1871



1361-1383 Flushing. Ave.,  
Brooklyn, New York

## A. HERRMANN,

Cape Flowers, all colors, Cycas  
Leaves, Metal Designs and all  
Florist Supplies.

—Send For Prices—

404-412 East 34th St.. NEW YORK.  
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Lock the door before the horse is stolen,  
and insure your glass before it is broken.

For particulars concerning  
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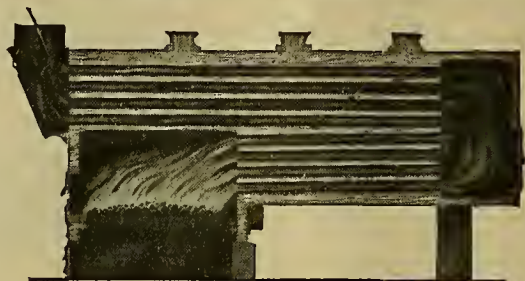
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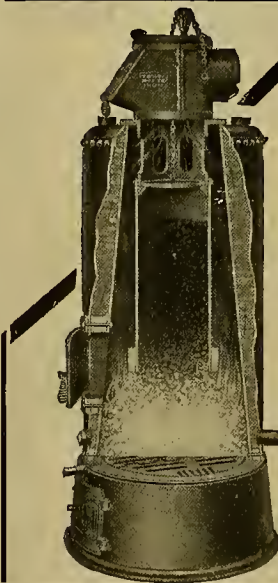


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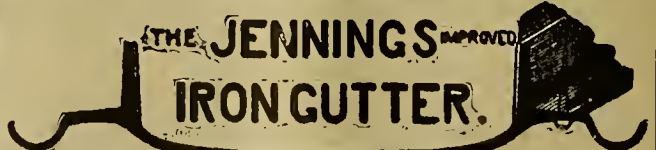
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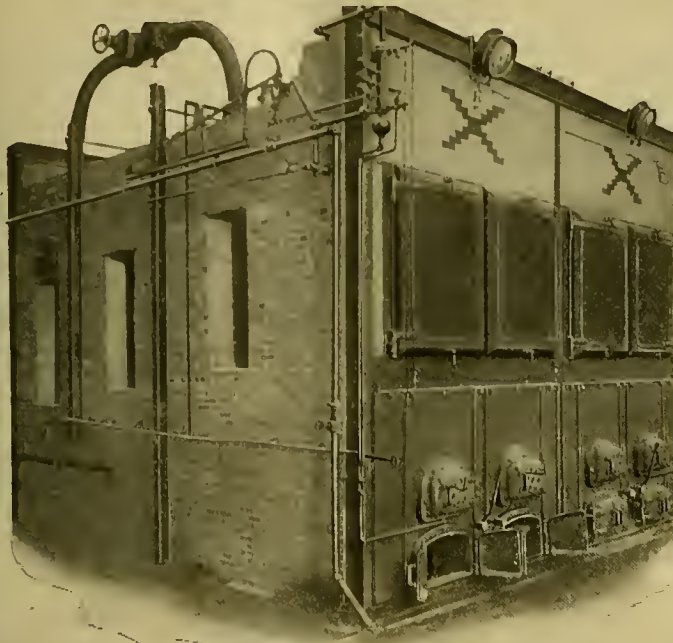
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# THE AMERICAN FLORIST



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Vol. XXXVIII.

CHICAGO AND NEW YORK, JULY 6, 1912.

No. 1257

## THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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## SUGGESTIONS FOR PLANT GROWERS.

### Pot Grown Roses.

The hybrid perpetual or rambler roses after blooming if desired to force another year, in order to bloom them early should be grown in pots during the summer. They can be pruned back after blooming and lifted, or if in pots should be repotted. This will require a good, strong soil, composed of two-thirds loam and one-third manure. When potting be sure to give good drainage and pot firmly, ramming the soil down hard. It is impossible to grow roses successfully in a loose soil. The plants should be plunged to rim of the pot outside where they can be freely watered. Avoid, if possible, placing them against the greenhouse or other building or against a fence, but plant them where they will have a free circulation of air and can be sprayed from either side. If planted against a building or in close quarters, they frequently become infected with red spider during the hot weather and it is nearly impossible to get rid of them.

### Asparagus Plumosus and Sprengeri.

It is a good time now to plant, reset or renew the soil of asparagus beds, either plumosus or Sprengeri. If the beds are to be set out with young stock preparation should be started at once. Asparagus plumosus does better in solid beds, well drained, with a good rich compost about two feet deep. The plants should be set 12 to 15 inches apart and the shoots be given strings upon which to climb as soon as they begin to grow. But little cutting should be done the first year as it is necessary that the plants become well established. The old beds should be given a good mulch of half-decayed manure, and if possible, without injury to the roots, removing the top soil. Asparagus Sprengeri can be successfully grown in the bench, but also requires a good rich soil. The young stock the first year should be planted 10 to 12 inches apart, and will produce many stems that can be cut. The beds that have produced this year will require a renewal of the soil. It is better to re-plant than to try to renew the soil in

the bench. The plants are great feeders and the bench is generally full of roots after a year's growth and it will be found difficult to keep the bench watered during the spring of the second year. If the plants are too close together they can be given more space in resetting. Good large plants will do better if set about 15 inches apart. If a mulch is attempted, care should be taken to use no fresh manure but manure that is well rotted. The ammonia that arises from fresh manure will affect the plants, turning the foliage light, and in severe cases the foliage will become nearly white, making it worthless.

### Mignonette.

To be able to cut fine spikes of mignonette in early winter will require an early start and although it demands care and attention to germinate small seeds during hot weather, yet it will be necessary to sow seed early in July in order to have a cut in by the holiday season. A north propagating house is one of the best locations for the sowing of seeds in summer. Mignonette does not transplant from the seed flats successfully, so it is better to sow it in 2½-inch pots, five or six seeds to a pot, which can be thinned out to one or two plants as soon as they are large enough to select the strongest. Some growers prefer to sow the seed in hills in the bench, but to grow the large spikes of this flower requires a soil very heavily manured, and the constant watering often sours the soil before the plants have pushed out roots enough to absorb the water. As soon as the plants have attained a height of two or more inches the tip should be pinched or rubbed out, that the plant will branch, and again later these branches will have to be pinched off, until there are six or eight good, strong shoots. The plants will grow in most any kind of good soil, but to get the best the compost should be about one-half partly decayed manure well mixed in the soil and this will produce splendid spikes of bloom. After the plants begin to form their leaves a careful watch must be kept for the cabbage worm; these worms are very fond of mignonette and are voracious eaters, and soon denude

the plant. They are a little difficult to find, being of the same color as the leaf, but are generally found along the midrib of the leaf or on the stem. Growers who cultivate large quantities of this crop screen their ventilation with mosquito netting to keep out the moth which lays the eggs. The plants should be set about one foot apart in the bench and staked or tied in some suitable manner to keep the stems straight and erect.

### Cyclamens.

The plants of cyclamen should now be growing rapidly, especially those which were grown from seed sown last fall. These plants should now be in four or five-inch pots and the foliage growing full and strong. If the plants are plunged in a frame, they should be lifted out of the soil occasionally to see that the drainage is not stopped up. There is nothing that will ruin a young growing cyclamen any quicker than to have the drainage get closed and have the soil become sodden with water. Angle worms will often cause this and if they are detected should be removed. It is very easy to find whether they are in the pots. If the soil on the top of the pot is rolled into small lumps it is a sure sign that there are worms in the soil. If there are but a few the plants can be knocked out of the pots and the worms removed; if there are many a watering of lime water will soon rid the soil of the worms. The plants that are in small pots should be potted up as fast as they require it that they may be as large as possible for the holiday season, but do not go the other extreme and pot in too large pots. As soon as the roots get around the side of the pot shift them into the next size larger. If the plants are in the greenhouse a close watch for thrips must be kept during the summer. If the foliage is twisted when the leaf begins to unfold it is sure to be caused by insects and the plants should be sprayed with a nicotine solution. To have good plants for the holidays in full bloom they must be constantly watched and well grown.

### Compost Pile.

The extra help that is so often employed during the spring trade can be utilized for a few days before they are let go, in getting together a good compost pile, and there is no better time of the year than the present to do this. The sod can be taken off now after the mowing with no great amount of grass upon it, and if stacked at this time the warm summer days will soon rot the sod and make the pile fine and mellow. So many growers will spend their money for coal and labor and skimp on that most necessary thing for good product, the soil upon which the plant depends for its culture, and again put the matter off until the fall when the days are cold, the soil too often full of moisture, and the hauling poor, which makes the work more expensive and in the end not having as good an article for the succeeding year. It is not necessary to stack the manure with the pile at this time, but if ground bone is to be used it is better to sprinkle it into the pile now. Bone dissolves slowly and the earlier it is incorporated in the soil the better, and it also helps the rotting of the sod. Take advantage of the slack time with both the men and teams and get the compost pile up at once.

## THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

### Yellow Roses and Purple Iris.

Take a large Japanese lamp with the new large wicker shade for the center of table. Cover this large shade with tiny yellow roses or the yellow daisies, using the natural foliage for a foundation, and where most effective allow a few sprays to extend below the shade. Bank around this lamp the large purple iris. A low wire framework of moss or a flat pan of sand can be used in banking the iris around the lamp. Fasten the yellow roses or yellow daisies to the lamp shade by means of invisible wire. At the four corners place candlesticks with similar shades. If this is used in the dining



Sweet Peas at Charles Curtis', Irondequoit, N. Y.

room of a home where the dining room has the high plate shelf, this can be prettily arranged with the yellow marguerites, filling it in completely and using maiden hair as a finish. If a fireplace is to be arranged in the room use the yellow roses, banking it in pyramid style, using also the maiden hair ferns as a finish. Yellow tulle streamers can also be extended from the corners of the room, attaching them to the chandelier in the center with a large ruche. Palms placed in the corners will make an effective setting. A. E. KLUNDER.

### Cornucopias.

Suspend over the table four green cornucopias, attaching them to chandelier or whatever is most available by using the heavy green cord covered with asparagus vine. The cornucopias should be of green basket straw. From the cornucopias run green ribbons to corners of table, using asparagus vine with them. Fill cornucopias with Killarney roses, using asparagus where necessary. Bunch roses at corners of the table. Under the cornucopias place a plate glass mirror to reflect and around this circle a garland of pink Killarney roses—the same as used in

the cornucopias. Use small cut glass dishes as favors filled with pink candied rose leaves around inner circle of garland, using a fine Killarney as a division line between each favor. From each favor extend a wide pink ribbon on which the name of the guest has been printed in silver. This pink ribbon should not be conspicuous but placed under the garland and extending the necessary length to each guest's plate. A. E. KLUNDER.

### Wedding Decorations in Ohio.

One of the largest and most beautiful weddings in Canton, O., took place June 5, when Chas. Laurenson, of Cleveland, and Miss Jessie L. Rider were married in St. John's church. The church was decorated in pink and white against a background of green. The central altar was heavily banked with pink peonies, with a shower effect in front. On either end were tall silver candelabra holding white tapers. The side altars were banked with Easter lilies intermingled with Killarney roses. On the pedestals, which were entwined with smilax, were silver candlesticks and pink peonies. The chancel rail was decorated with garlands of southern smilax and an embankment of palms was used at the base of the altars. The maid of honor and bridesmaids carried bouquets of long stemmed pink roses tied with pink satin ribbon. The bride carried a bouquet of lily of the valley in shower effect. The decorations at the bride's home were also in pink and green. The mantel and fireplace in the drawing room were completely banked with Killarney roses, with a shower of roses falling from the top. The dining room was decorated with masses of pink roses and smilax, there being a shower of roses and sweet peas falling from the chandelier over the bride's table. In the center of the table was a huge French rosette of pink satin ribbon from which four wide streamers extended to the corners of the table where large rosettes were placed. On either end were tall silver candelabras with pink tapers and shades. The other tables had as centerpieces large baskets of pink sweet peas. The stairway in the hall was wreathed with smilax and on the bottom newel post was a large basket of pink peonies with a shower effect falling to the floor. The other newel posts were adorned with smaller baskets of peonies. In the alcove under the stairway was an embankment of palms, behind which the orchestra was stationed. The archways throughout the house were decorated with garlands of smilax. The porch was entirely screened with curtains and decorated with smilax and baskets of pink peonies. The tables arranged there held baskets of pink sweet peas. These decorations were by the Brown Floral Co., which also had the decorations for the wedding of the bride's parents 28 years ago.

PEORIA, ILL.—The Rue Floral Co., Peoria, has been incorporated with a capital stock of \$1,500. Frank E. Rue, Otto von Siebenthal, Jr. and Hiram E. Todd are the incorporators.

BRIDGEPORT, CONN.—A new floral firm, known as the Pequonnock Co., has filed articles of organization here. C. Lewis Bill is president and treasurer, Theodore B. Ford, vice president, and D. Fairchild Wheeler, secretary. The capital stock is \$15,000.



LEMOINE'S FOREIGN VISITORS.

### Lemoine's Foreign Visitors.

The illustration herewith shows a party of foreign horticulturists at V. Lemoine & Fils, Nancy, France. Madame Emile Lemoine appears in the picture next to President Vincent of the Society of American Florists and B. Hammond Tracy. The complete list of visitors is as follows:

British.—J. S. Brunton, Burnley; W. A. Cull, Lower Edmonton; J. Gosden, Henley-on-Thames; P. Griffin, Limerick; J. E. Harris, Swansea; R. Hayes, Grasmere; T. R. Hayes, Keswick; W. P. Laird, Dundee; W. Lowe, Beeston; F. Power, Waterford; W. B. Smurthwaite, North Shields; H. Simpson, Sleaford; W. Troy and Miss Troy, Jarvis Brook.

American.—A. H. Brown, Manatee, Fla.; H. E. Dailedouze, Flatbush, N. Y.; P. P. Dailedouze, Flatbush, N. Y.; A. Farenwald, Roslyn, Pa.; A. Junge, Secaucus, N. J.; W. Nicholson, South Framingham, Mass.; H. Papworth, New Orleans, La.; E. N. Reasoner, Oneco, Fla.; B. Hammond Tracy and wife, Wenham, Mass.; R. Vincent, Jr., and wife, White Marsh, Md.

PROVIDENCE, R. I.—The exhibition of the Rhode Island Horticultural Society held here June 19 was well attended. The chief attractions were roses and strawberries, but among the other exhibits the orchids were perhaps the most noteworthy.

NEWPORT, R. I.—A stiff-stemmed yellow rose, produced by William Gray, gardener for Mrs. William B. Jeeds, won a premium offered by Mrs. Burke-Roche at the Newport Horticultural Show. The rose is much desired by society women who like that color, as the stem of the yellow tea rose is too delicate to permit its use for bouquet, corsage or vase.

## CHRYSANTHEMUMS

### Buds for Early Bloom.

ED. AMERICAN FLORIST:—

About March 26 I received 500 rooted cuttings of Golden Glow and Smith's Advance chrysanthemums. I wanted to have these in bloom about September 1 and was told to bench them May 1 and select buds that appeared after July 1. I thought I could have them benched at that date, but in the rush of spring business I could not get any bench room in any of the houses until May 25. They are nice stock in 3-inch pots, not pot bound very much, with one and two breaks, but they are now showing buds. I would like to know when I should select the best bud and when they will be in bloom. The Smith's Advance is not showing bud, only the Golden Glow. SUBSCRIBER.

New Jersey.

Golden Glow is very persistent in forming buds as soon as the roots fill the pots or bench. Not only does it produce the typical crown bud, but all the lateral growth will show buds also. With plants in this condition, there are only two courses to follow: either select the best buds and allow them to develop blooms, or cut the wood back hard within 3 inches of the ground, which will force new growths from the root. These growths may be thinned out from 1 to 3 to the plant according to the liking of "Subscriber," and by selecting the first bud that appears there should be a crop in September, although it will probably be after the first before the bulk will be ready to cut. From the fact the plants are showing buds it is evident they

are either pot bound or have been allowed to harden from some cause. Stock planted early in May usually show buds July 1 and finished blooms the third week of August. Buds selected at this date, June 24, should perfect blooms from August 15 to September 1 according to the climatic conditions. If August should be cool they will develop faster and give better quality than when excessive heat prevails. Smith's Advance is not so arbitrary, inasmuch as the crown can be removed and the lateral growth that follows will produce a bud later. July 5 to 10 is best date to select buds for September blooms.

ELMER D. SMITH.

### Final Potting.

We are now at an important period in the culture of the large specimen chrysanthemum plants which are being grown for show and exhibition purposes. They should now be in condition to be given the final potting—this means into the pots that will carry them through to maturity. There are no other plants that require closer attention to the little details necessary to bring them to perfection than do chrysanthemums grown as specimen exhibition plants. Their every requirement must be studied out and catered to. An over-abundance of water will quickly put the root action "to the bad" and extreme dryness will result in hardened wood and stunted growth, and if the shoots are not topped back in time the plant will be tall and long-jointed instead of dwarfed, sturdy and spreading, characters that are essential for a well-balanced exhibition specimen.

The size of the pot for the final potting must be governed according to

the condition of the plant. Usually either a twelve or fourteen-inch pot is used, but it is well to bear in mind that a large plant will do much better in an under-sized pot than a small plant in a pot that is too large for it. Clean pots should be the rule for these large specimens. The plants will not only grow better, but their appearance will be enhanced. The soil for potting should be the best obtainable because the chrysanthemum delights in a liberal diet and will respond readily to generous treatment, but extra caution will have to be exercised to get the plants well started again, as after potting a rich soil has a tendency to sour quickly. Good drainage is another important feature. After the plants become well established they will use up large quantities of water, and the conditions should be such as to allow it to pass freely away, so that the soil in the pots will remain sweet.

One helpful thing for the rapid recovery of the plant after potting is to "condition" them, or, in other words, hold them a little to the dry side three or four days before potting; they will take hold of the fresh soil much quicker for it. When a plant is potted with the soil at the roots in a very wet condition, the old ball of soil is very likely to sour and many of the roots rot off. Firm potting is also advisable to make the roots work hard, as this leads to a stocky plant growth. One very important feature in connection with growing these plants is to give them ample room to spread themselves and to enable the grower to properly work around them without doing any damage to the shoots. Do not delay the supporting of the plants as soon as they demand it, because every broken or damaged shoot means so much work lost.

The exhibition stock for cut blooms either being grown in benches or pots can now be treated to occasional top dressings of pulverized manure supplemented with a light application of Clay's fertilizer or such other commercial fertilizer as has been tried and found beneficial; and lastly, the supporting of these plants should be given attention right along as needed to enable the syringing to be done properly.

C. W. JOHNSON.

### Heating House and Greenhouse.

ED. AMERICAN FLORIST:

I am going to erect a small greenhouse 18x25 feet, and workroom about 30 feet from the residence. The house to be even span running east and west, with a propagating bench in one corner and in another a grafting or budding case. I would like to heat both house and greenhouse with hot water, the boiler to be located in the home cellar. The temperature of the greenhouse to be 60° to 65° and the residence 70°, outside the temperature falls to 10 below zero. Would it be advisable to have two boilers or could it be arranged with valves so that one boiler would successfully heat both?

E. R. P. H.

There will be no difficulty in heating the greenhouse and developing from one heater. For the greenhouse run a 2-inch flow pipe about three feet below the ridge and one upon each of the plates. For the returns use five 1½-inch pipes under each of the three benches. Just what sized flow pipe and how many square feet of radiation will be required for the dwelling cannot be determined from the data given.

L. R. T.

## Florists' Business Makes Big Gains.

Report for Decade Shows Up Well.

The great increase of the florist business, both in number of establishments and value of products, in the decade from 1899 to 1909, is shown by the preliminary statement of the results of the thirteenth census as regards this industry. The statement was issued June 25 by the Bureau of Census of the Department of Commerce and Labor, and the report was prepared under the direction of Le Grand Powers, chief statistician, and John Lee Coulter, special agent for agriculture. The report shows that while there was an appreciable increase in number of establishments, the increase in value of products far outran this. In other words, while there are more florists, they are better off financially, almost twice as rich, as a whole, in fact.

In 1899 there were 8,797 floral concerns, while in 1909 there were 10,614, or 1,817 more. The products of 1899 amounted to but \$18,759,000, against \$34,872,000 in 1909. This means an increase of \$16,113,000 or 85.9 per cent. The percentage of increase in the number of establishments was 20.7. The greatest increase was in the West South Central Division, and there was also a big jump in the Pacific Division. The following table shows the results of the census taken by states:

| Division or State      | 1909<br>Estab-lish-ments rep't'g | Value (in thou-sands) | 1899<br>Estab-lish-ments rep't'g | Value (in thou-sands) |
|------------------------|----------------------------------|-----------------------|----------------------------------|-----------------------|
| UNITED STATES          | 10,614                           | \$34,872              | 8,797                            | \$18,759              |
| Geographic Divisions:— |                                  |                       |                                  |                       |
| New England            | 1,451                            | 4,677                 | 1,300                            | 2,764                 |
| Middle Atlantic        | 3,366                            | 11,810                | 2,935                            | 7,067                 |
| E. North Central       | 2,371                            | 9,029                 | 2,032                            | 4,489                 |
| W. North Central       | 795                              | 2,842                 | 757                              | 1,247                 |
| South Atlantic         | 814                              | 1,932                 | 631                              | 1,451                 |
| E. South Central       | 507                              | 1,006                 | 328                              | 509                   |
| W. South Central       | 378                              | 846                   | 283                              | 229                   |
| Mountain               | 196                              | 754                   | 144                              | 276                   |
| Pacific                | 736                              | 2,176                 | 387                              | 727                   |
| New England:—          |                                  |                       |                                  |                       |
| Maine                  | 121                              | 301                   | 93                               | 155                   |
| New Hampshire          | 75                               | 236                   | 83                               | 108                   |
| Vermont                | 45                               | 79                    | 43                               | 59                    |
| Massachusetts          | 814                              | 2,455                 | 734                              | 1,640                 |
| Rhode Island           | 146                              | 559                   | 139                              | 315                   |
| Connecticut            | 250                              | 1,047                 | 208                              | 487                   |
| Middle Atlantic:—      |                                  |                       |                                  |                       |
| New York               | 1,398                            | 5,149                 | 1,212                            | 2,868                 |
| New Jersey             | 637                              | 2,858                 | 630                              | 1,953                 |
| Pennsylvania           | 1,331                            | 3,803                 | 1,093                            | 2,246                 |
| E. North Central:—     |                                  |                       |                                  |                       |
| Ohio                   | 765                              | 2,385                 | 662                              | 1,400                 |
| Indiana                | 367                              | 1,213                 | 244                              | 401                   |
| Illinois               | 670                              | 3,695                 | 646                              | 1,895                 |
| Michigan               | 353                              | 1,144                 | 287                              | 522                   |
| Wisconsin              | 216                              | 593                   | 193                              | 271                   |
| W. North Central:—     |                                  |                       |                                  |                       |
| Minnesota              | 136                              | 604                   | 110                              | 288                   |
| Iowa                   | 168                              | 657                   | 172                              | 320                   |
| Missouri               | 260                              | 654                   | 270                              | 410                   |
| North Dakota           | 16                               | 47                    | 3                                | 3                     |
| South Dakota           | 19                               | 50                    | 8                                | 3                     |
| Nebraska               | 62                               | 356                   | 73                               | 143                   |
| Kansas                 | 134                              | 274                   | 121                              | 80                    |
| South Atlantic:—       |                                  |                       |                                  |                       |
| Delaware               | 44                               | 71                    | 31                               | 57                    |
| Maryland               | 200                              | 597                   | 191                              | 356                   |
| District of Columbia   | 43                               | 304                   | 39                               | 520                   |
| Virginia               | 163                              | 362                   | 134                              | 239                   |
| West Virginia          | 99                               | 78                    | 47                               | 44                    |
| North Carolina         | 109                              | 127                   | 58                               | 31                    |
| South Carolina         | 19                               | 50                    | 8                                | 3                     |
| Georgia                | 77                               | 271                   | 59                               | 155                   |
| Florida                | 56                               | 69                    | 44                               | 41                    |
| E. South Central:—     |                                  |                       |                                  |                       |
| Kentucky               | 253                              | 392                   | 137                              | 262                   |
| Tennessee              | 125                              | 345                   | 93                               | 176                   |
| Alabama                | 56                               | 168                   | 45                               | 44                    |
| Mississippi            | 73                               | 100                   | 53                               | 27                    |
| W. South Central:—     |                                  |                       |                                  |                       |
| Arkansas               | 57                               | 153                   | 32                               | 26                    |
| Louisiana              | 92                               | 126                   | 74                               | 77                    |
| Oklahoma               | 47                               | 92                    | 20                               | 7                     |
| Texas                  | 182                              | 474                   | 157                              | 120                   |
| Mountain:—             |                                  |                       |                                  |                       |
| Montana                | 25                               | 105                   | 19                               | 34                    |
| Idaho                  | 16                               | 43                    | 13                               | 3                     |
| Wyoming                | 5                                | 12                    | 3                                | 2                     |
| Colorado               | 94                               | 469                   | 72                               | 198                   |
| New Mexico             | 14                               | 31                    | 9                                | 4                     |
| Arizona                | 7                                | 11                    | 1                                |                       |
| Utah                   | 33                               | 81                    | 36                               | 34                    |
| Nevada                 | 2                                | 2                     | 1 (1)                            |                       |
| Pacific:—              |                                  |                       |                                  |                       |
| Washington             | 154                              | 518                   | 35                               | 50                    |
| Oregon                 | 140                              | 269                   | 62                               | 96                    |
| California             | 442                              | 1,389                 | 280                              | 581                   |

(1) Less than \$1,000.

(2) Includes Indian Territory.

**J. S. Wilson Floral Co., Des Moines, Ia.**

One of the most enterprising and successful florists of the middle west is J. S. Wilson, of Des Moines, Iowa, head of the J. S. Wilson Floral Co. Mr. Wilson's spring business this year increased so rapidly it became necessary for him to provide a more convenient means of delivery and he solved the difficulty by the purchase of an automobile with several distinctive features. The car, a handsome and substantial delivery vehicle as it appears in the accompanying illustration, is also an ordinary touring-car and

**THE ROSE.****Carrying Over Stock.**

Carrying over the rose stock for two or more seasons is something that has become universal and many claim that better stock is cut the second and third seasons than from the young stock plants. According to the result we have time and again found this to be true. However, a great deal depends on the condition of the stock at the end of the first season: whether it is strong, well built up and healthy, or

Splendid results can be obtained by transferring the benched stock to solid beds; this gives one a chance to renew the soil and the plants can be removed without checking them if necessary by very little resting if continuous summer cutting is demanded. Yet by resting for several weeks the results will be far better as the plants will perhaps furnish more and better blooms in midwinter. When resting the stock on raised benches the watering should be withheld very gradually and syringing kept up until the plants are ready to lift. They should be dried until the most of the foliage has dropped, taking care that the wood is never allowed to become wilted. The time required may range from two to five weeks. Richmond requires a thorough resting of about four weeks on benches and two weeks longer in the solid beds. Be very careful in resting the Killarneys, as it weakens the stock greatly to hold them dry for any length of time.

The houses to receive the plants from the benches should now be made ready, the soil cleaned out of the beds and the whitewash applied generously. See to it that the drainage is good. If one has a sandy subsoil under the beds but little drainage is required. Fill the beds quite full of soil and have a man on each side of the bed to be planted; open up a trench across the bed and have the distance marked on the top edge of the siding so as to plant the stock a uniform distance apart. Six inches of soil should be placed in the solid beds and a section of a bed, say fifty feet, planted at a time, then packed firmly and leveled so the water can be given them before the plants or wood gets checked. It is a good plan to provide some kind of shade when planting if the weather is extremely hot. Something that will be removed by the first rain or by spraying with the hose. A wash made of puddling clay or whiting can be quickly applied with a spray pump or hand syringe and besides being a help to the plants it will also be a comfort to the planters.



THE J. S. WILSON FLORAL CO., DES MOINES, IA.  
The Show House on Palm Sunday.

a runabout. It was constructed especially for such uses as Mr. Wilson has for it and a few minutes suffices to change it from a business conveyance to a machine for pleasure or for family use. These features of the new auto have led many of Mr. Wilson's friends to believe that he was growing wealthy so fast he could afford three machines, but though he says business has been unusually good he is perfectly willing to let the one machine suffice. Always alert and ready to take advantages of such trade conditions as his town affords, Mr. Wilson this spring opened a flower stand in a Des Moines department store for the greater convenience of his customers. The stand has had its part to play in the business increase for the season, which he admits is at least thirty-five per cent of his profits for the same time last year. During the greater part of July and a part of August Mr. Wilson will be away from home on a trip to Seattle and other far west points. One reason he has proved so successful is readily seen by a glance at his beautiful show house as shown in the illustration. The picture was taken the Sunday preceding Easter, and tells its own story of how beauty and convenience may add to the popularity and profits of a florist and his business.

weak, spindling and diseased, with streaked foliage. Plants showing signs of eelworm would be risky to run through a second time. The Killarneys are good varieties to carry over, also Richmond, Taft, and almost any of the hybrid teas. Beauties perhaps will prove an exception, as we think they should be grown from one season only for best results.



THE J. S. WILSON FLORAL CO., DES MOINES, IA.  
The Cut Shows Mr. Wilson's New Automobile, Which May Be Turned into a Touring Car or a Runabout.

**HAVERHILL, MASS.**—Charles H. Kaulback, the well known florist, has purchased an automobile delivery truck to take care of his increasing trade.

**LYNN, MASS.**—Two days were devoted to the regular spring show of the Houghton Horticultural Society. The show was held June 14 and 15.

When lifting the plants from the tables they should be cut out in blocks with a sharp spade and turned up by hand, leaving a ball about ten inches in diameter at the roots and then firming the soil around them afterwards; be sure not to crush the ball. The soil should be tramped down firmly with the feet, which is in all probability the best way to avoid crushing the ball. When the beds are planted and leveled the soil should be about three-fourths inch to one inch below the sides of the beds so as to allow for free watering, mulching, etc. Spray the tops over several times through the day for the first few days and keep the house quite close, the walks damped and as prescribed for the young stock in our last issue. A humid atmosphere is desirable for a time or until the plants begin to take hold in their new surroundings. We always move the plants, stalks and all, and fasten the stalks to running wires as soon as planted. Then prune out the bruised or broken wood after they take a start. If they are pruned hard before they are handled they are inclined to start with a weak and sickly growth.

The stock standing in the solid beds can be dried off, pruned and started at any time from now till the first of August. As stated above, by syringing daily while resting them (of course keeping the water off the soil as much as possible) it will not take a great while to ripen up the wood. Then prune carefully, cutting the Richmond back quite hard and Killarney medium. Mrs. Taft stands for a good, hard pruning, also any variety that has a tendency to come away freely at the bottom with strong canes. As a rule own root stock can be pruned a little harder than grafted plants, as in some soils the grafted plants do not break so freely at the ground. One must use one's own judgment in pruning, paying strict attention to the number of canes the plants may carry, as a plant with a single cane will naturally have to be topped out higher up than one carrying three or more canes. Clean the beds off after pruning and tying and give the beds a good sprinkle of bone meal and a light mulch of half decomposed cow manure. After the plants begin to brace up and make new foliage this mulch will be about washed off; then apply another slightly heavier mulch after using a good soil covering, and not much more.

If the plants do not break in good color you may be watering too freely; let up a little and watch the results. If they should be too dry the plants will have a wilted appearance and be extremely slow to start or make new growth. One may desire to carry over a lot of plants on raised tables for the second year. In this case we would suggest resting about the same, pruning rather hard and removing about two-thirds of the old soil from between the plants and replacing with a compost of three parts soil to one of good cow manure. Also add some ground bone, fill in around the plants, pack firmly and give a good watering. If the plants are handled as prescribed here, using a little judgment as to the details, there is no reason why either method shouldn't produce good results, as there is nothing novel in the methods explained here. The thing of importance is not to overdo the resting as they really can be handled while in a growing condition, but of course after a season of forcing a rest is essential and nature's methods are being followed, a thing we must not get too far away from at any time. E.

## Nurserymen of the United States Are Doing Well.

### Census Report Shows Big Increase.

The number of nursery establishments in 1909, according to the preliminary report of the Census Bureau was 5,582, an increase of 591 or 11.8 per cent in ten years. The value is given at \$21,051,000, an increase of \$10,927,000 or 107.9 per cent in the same decade. This is a very encouraging fact, as it shows the nurserymen to be coming in for a share of the country's increase in wealth. The Middle Atlantic division ranked first and had an increase of 72.6 per cent, which brought the total up to considerably more than four million. However, the greatest increase occurred in the Pacific division, where there was a gain of 377 per cent. In number of establishments the East North Central Division led, although falling to fourth in value, not only the Middle Atlantic but the West North Central and Pacific divisions leading it. The greater value of the florist business over the nursery business in the country as a whole was contributed almost entirely by the New England, Middle Atlantic and East North Central divisions. The comparison by divisions and states is shown in the following table:

| Division<br>or<br>State | 1909                                |              | 1899                                |              |
|-------------------------|-------------------------------------|--------------|-------------------------------------|--------------|
|                         | Estab-<br>lish-<br>ments<br>rep't'g | Value        | Estab-<br>lish-<br>ments<br>rep't'g | Value        |
| UNITED STATES .....     | 5582                                | \$21,051,000 | 4991                                | \$10,124,000 |
| Geographic Divisions:—  |                                     |              |                                     |              |
| New England .....       | 241                                 | 989,000      | 330                                 | 548,000      |
| Middle Atlantic .....   | 888                                 | 4,355,000    | 907                                 | 2,523,000    |
| E. North Central .....  | 1159                                | 3,038,000    | 1079                                | 1,795,000    |
| W. North Central .....  | 908                                 | 3,842,000    | 888                                 | 2,053,000    |
| South Atlantic .....    | 565                                 | 1,851,000    | 450                                 | 852,000      |
| E. South Central .....  | 318                                 | 1,148,000    | 332                                 | 751,000      |
| W. South Central .....  | 516                                 | 1,711,000    | 509                                 | 612,000      |
| Mountain .....          | 194                                 | 594,000      | 141                                 | 252,000      |
| Pacific .....           | 793                                 | 3,522,000    | 355                                 | 739,000      |
| New England:—           |                                     |              |                                     |              |
| Maine .....             | 17                                  | 23,000       | 39                                  | 46,000       |
| New Hampshire .....     | 9                                   | 12,000       | 17                                  | 7,000        |
| Vermont .....           | 9                                   | 11,000       | 18                                  | 50,000       |
| Massachusetts .....     | 119                                 | 606,000      | 169                                 | 260,000      |
| Rhode Island .....      | 27                                  | 76,000       | 24                                  | 42,000       |
| Connecticut .....       | 60                                  | 262,000      | 63                                  | 142,000      |
| Middle Atlantic:—       |                                     |              |                                     |              |
| New York .....          | 608                                 | 2,751,000    | 485                                 | 1,642,000    |
| New Jersey .....        | 105                                 | 682,000      | 142                                 | 340,000      |
| Pennsylvania .....      | 175                                 | 923,000      | 280                                 | 541,000      |
| E. North Central:—      |                                     |              |                                     |              |
| Ohio .....              | 272                                 | 860,000      | 317                                 | 538,000      |
| Indiana .....           | 164                                 | 411,000      | 198                                 | 255,000      |
| Illinois .....          | 258                                 | 822,000      | 288                                 | 578,000      |
| Michigan .....          | 313                                 | 643,000      | 159                                 | 330,000      |
| Wisconsin .....         | 152                                 | 301,000      | 117                                 | 85,000       |
| W. North Central:—      |                                     |              |                                     |              |
| Minnesota .....         | 191                                 | 863,000      | 85                                  | 383,000      |
| Iowa .....              | 242                                 | 846,000      | 238                                 | 619,000      |
| Missouri .....          | 186                                 | 529,000      | 259                                 | 349,000      |
| North Dakota .....      | 49                                  | 31,000       | 8                                   | 7,000        |
| South Dakota .....      | 30                                  | 71,000       | 34                                  | 13,000       |
| Nebraska .....          | 90                                  | 553,000      | 83                                  | 234,000      |
| Kansas .....            | 120                                 | 948,000      | 181                                 | 447,000      |
| South Atlantic:—        |                                     |              |                                     |              |
| Delaware .....          | 19                                  | 39,000       | 21                                  | 17,000       |
| Maryland .....          | 71                                  | 457,000      | 52                                  | 123,000      |
| Dist. of Col. ....      | 1                                   | (1)          | 1                                   | (1)          |
| Virginia .....          | 69                                  | 160,000      | 89                                  | 215,000      |
| West Virginia .....     | 71                                  | 79,000       | 48                                  | 62,000       |
| North Carolina .....    | 125                                 | 267,000      | 71                                  | 135,000      |
| South Carolina .....    | 22                                  | 4,000        | 34                                  | 4,000        |
| Georgia .....           | 54                                  | 366,000      | 66                                  | 172,000      |
| Florida .....           | 133                                 | 478,000      | 68                                  | 122,000      |
| E. South Central:—      |                                     |              |                                     |              |
| Kentucky .....          | 77                                  | 116,000      | 65                                  | 115,000      |
| Tennessee .....         | 145                                 | 698,000      | 159                                 | 474,000      |
| Alabama .....           | 62                                  | 259,000      | 55                                  | 131,000      |
| Mississippi .....       | 34                                  | 75,000       | 53                                  | 31,000       |
| W. South Central:—      |                                     |              |                                     |              |
| Arkansas .....          | 133                                 | 199,000      | 153                                 | 131,000      |
| Louisiana .....         | 60                                  | 88,000       | 43                                  | 64,000       |
| Oklahoma .....          | 90                                  | 172,000      | (2) 90 (2)                          | 103,000      |
| Texas .....             | 233                                 | 1,253,000    | 223                                 | 315,000      |
| Mountain:—              |                                     |              |                                     |              |
| Montana .....           | 28                                  | 174,000      | 13                                  | 18,000       |
| Idaho .....             | 26                                  | 143,000      | 16                                  | 38,000       |
| Wyoming .....           | 8                                   | 2,000        | 3 (1)                               |              |
| Colorado .....          | 61                                  | 72,000       | 41                                  | 66,000       |
| New Mexico .....        | 17                                  | 9,000        | 11                                  | 6,000        |
| Arizona .....           | 11                                  | 5,000        | 8                                   | 3,000        |
| Utah .....              | 38                                  | 188,000      | 47                                  | 121,000      |
| Nevada .....            | 5 (1)                               |              | 2 (1)                               |              |
| Pacific:—               |                                     |              |                                     |              |
| Washington .....        | 115                                 | 527,000      | 36                                  | 29,000       |
| Oregon .....            | 112                                 | 783,000      | 74                                  | 151,000      |
| California .....        | 566                                 | 2,213,000    | 245                                 | 558,000      |

(1) Less than \$1,000.

(2) Includes Indian Territory.



AMERICAN SEED TRADE ASSOCIATION AT THE SOUTH SHORE COUNTRY CLUB, CHICAGO, JUNE 26, 1912.

### Cold Storage of Ferns.

The storage of wild ferns has developed into an important feature of cold storage industry in parts of New England, and doubtless there will be some demand elsewhere for space for their proper handling. Comparatively little is accurately known about suitable packages, handling and storage.

#### USES AND MARKET.

Ferns are in great demand by florists during winter, and the holiday season in particular, as a background or "backing" for cut flowers. The greater part of ferns so used are picked in the mountainous parts of New England, the Berkshire Hills of western Massachusetts being especially productive, with Hinsdale the chief center. They are stored during the entire year and shipped out on orders to practically all parts of the country. New York city is a great consumer, but other eastern cities also use large quantities, and they are shipped in large lots to Chicago and even the far west.

#### STORAGE METHODS—OLD AND NEW.

In the early history of the fern shipping business it was customary to store them in barns, in beds about 10x4x1 feet, covering them with moss. Others were stored in cellars, sprinkling with water from time to time to prevent drying out, but owing to uncertain temperature, and various other conditions not under control, considerable loss resulted from wilting and rotting. It was found that as business increased picking must be commenced earlier in the fall, when the weather is too warm to keep the ferns properly, and cold storage was then resorted to. Cold storage has proved to be the salvation of the business on a large scale. At first undertaken in a small and experimental way, the results were so much of an improvement that now the business is wholly handled through cold storage. Under the right handling, packing and temperature, the ferns come out of storage

with the fresh green appearance which makes them so attractive when used by the florists in combination with cut flowers.

#### PICKING TIME AND DETAILS.

Exact data are not now obtainable as to the best time of picking, but it is generally understood among the pickers that the work should not begin until the first frost, and the picking, therefore, takes place mostly during September and October. Picking begins about June 20, but not for storage. It seems that the ferns are toughened by the cool nights of fall, which probably act to lower the moisture content or dry them to some extent. Anyway, it is well understood that the picking for storage should not begin until the first frost, and experience has demonstrated that ferns picked before are not properly matured for storage and shipping purposes. The picking is done mostly by women, children and old men, and as the work is done during a time of the year when rural occupations are least pressing, the work is very acceptable and forms an important industry and source of income in some sections. One and one-quarter to two cents per bunch of twenty-five is paid according to variety, care in picking and quality, and even at this seemingly low rate some of the most expert pickers earn as high as \$7 per day.

#### PACKING, SORTING, ETC.

The wild ferns usually collected are commonly divided into two grades or varieties, "dagger" and "fancy" ferns. The "dagger" variety is the more hardy and easier to pick, and less loss is usual in storing. The leaves are of waxy appearance and coarser than the "fancy" ferns. As the name indicates, "fancy" ferns are very delicate of leaf and finer in every way and easily damaged in picking and handling. The greatest care and skill is necessary in preparing the bunches or bundles. Not all the ferns are marketable, by any means, and the careless picker is penalized. Buyers located at the railroad

station receive the ferns from the pickers, and if necessary carefully sort them. Bunches of 25 are standard, and the ferns must be carefully arranged so as to lay flat, to avoid crushing or bruising. None broken or decayed or badly discolored are packed for shipment. As a storage package a wooden box is used (mostly second-hand shoe boxes), and the ferns are packed in layers with moss on top, bottom and sides, about 5,000 to 10,000 to the box. The object is to pack in such a way as to retain the moisture and exclude the air.

#### TEMPERATURE AND TREATMENT.

A close determination of the most suitable temperature has not been made, but it is more than probable that what is wanted is a temperature which will freeze the moisture in the packing material and still leave the ferns unfrozen. Satisfactory results have been obtained at 30° F., but a temperature of 25° F. to 28° F. is suggested as more suitable, and experimental work along this line is recommended. Ferns picked in August and early September should not be stored at as low a temperature as those picked later. If the ordinary frosts up to say October 15 in the Berkshire Hills will not damage the ferns, it would seem that 25° F. in cold storage should not, but still in the presence of moisture soaked packing material the effect may be different. The moss used in packing is pretty well soaked, and 28° F. to 30° F. will, of course, freeze the packing material and leave the ferns unfrozen.

It is absolutely essential to best results that ferns after picking should be promptly sorted and packed and placed in cold storage. If they are shipped and on the road for several days, heating is likely to result and ruin the ferns. If placed in cold storage the same day, so much the better, but in cool weather a day or two may elapse without damage.

If shipment by rail to a cold storage house is necessary, by all means use



E. G. HILL CO.'S NEW RANGE AT RICHMOND, IND.

View of One of the Houses in Course of Construction.





E. G. HILL CO.'S NEW RANGE AT RICHMOND, IND.  
Interior View of One of the Houses in Course of Construction.

refrigerator cars. Far better results may be had, however, by cold storing where picked, or sufficiently near, that the ferns packed one day may be in storage the next. A cool or cold room for sorting and packing is almost a necessity, and this may best be obtained in connection with a cold storage plant.

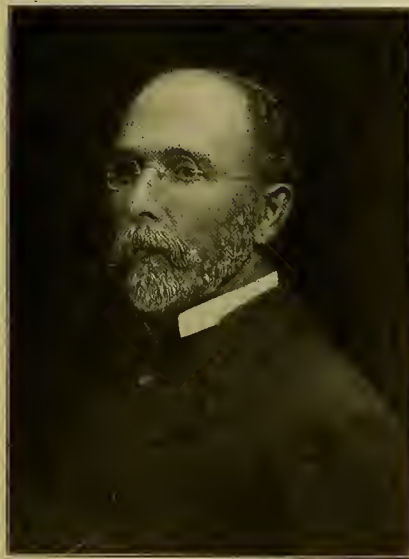
In piling the boxes in cold storage it is advisable to provide a two-inch air circulating space on top, bottom and sides of the box, so as to allow a quick cooling and freezing. After a week in storage they may be piled more tightly, keeping them from side walls and floor at least two inches.

Results from cold storing have been reported as very irregular, and, as stated at the beginning of this article, the accurate information available is small. It would seem that the irregular results must be due to the condition of the ferns when picked, or the exposure to varying conditions before storing, as it is comparatively easy now to hold uniform temperatures in cold storage. The lack of uniformly successful results cannot be blamed to cold storage, but rather to lack of uniformity in the product stored, probably too early picking or too late picking, or to careless or unintelligent handling before storing.—Madison Cooper in *Ice and Refrigeration*.

#### Hill's New Range.

We present herewith two illustrations of the E. G. Hill Co.'s new range of full iron frame flat rafter greenhouses now nearing completion at Richmond, Ind. The range consists of four houses, 34x400 feet each, connected and built on 3-inch I beam posts, with channel iron gutters and malleable iron bar clips. The outer walls are of concrete and the benches of pecky cypress. The 4-inch iron flat rafters are capped with rafter bar caps and the glazing bars be-

tween 15-16x1½ attached to angle iron purlins, which are attached to the iron flat rafters by special brackets. The flat rafters are in turn se-



The Late J. A. Pettigrew.

curely bolted to heavy combination gutter, rafter and post brackets, making a very strong structure. There are no interior supports other than the 3-inch I beam gutter posts and the houses are marvels of strength, affording the maximum of air and light.

Joseph H. Hill on his recent visit to Chicago said he could not ask for any improvement on these houses and claims they are as near perfection as it is possible to build greenhouses. The Foley Mfg. Co., Chicago, supplied the material for this range.

#### The Late John A. Pettigrew.

John A. Pettigrew, who has been superintendent of Boston parks for many years and one of the most accomplished landscape gardeners in America, died at his home July 2. Mr. Pettigrew had been in ill health for some time past.

John A. Pettigrew was born near Newcastle, England, about 68 years ago. He was the son of a gardener and began his own experience in gardening when 10 years of age. At the age of 22 he came to Chicago and for 13 years following he was engaged in various branches of horticulture, mainly floriculture and landscape work. He then entered the stone business and contracting, which he followed for a number of years, but he returned to his first love again, and was soon after appointed superintendent of Lincoln park, in which position he made a most enviable record. His varied experience in all the various branches of horticulture, coupled with a sincere affection for every tree and plant in his charge, his splendid administrative ability, together with his knowledge of landscape architecture as well as gardening, made a rare combination and enabled him to meet with brilliant success every one of the problems that continually present themselves in such a garden as Lincoln park. Withal he was a gentleman in all that the name implies, a botanist of ability and a close student of all that affects the profession he loved.

In 1894, through his failure to execute the wishes of a disreputable gang of politicians who had influence with the governor his resignation was demanded and received over the protests of every daily paper in Chicago, regardless of party affiliations, and despite remonstrance from all representative citizens. He then accepted an appointment as superintendent of the parks of Milwaukee, Wis., until called to the more responsible position of general superintendent of the parks of Brooklyn, N. Y., assuming the still more important charge of the Boston, Mass., park system in 1897.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

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When sending us change of address always send the old address at the same time.

Advertising rates on application. From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,  
440 S. Dearborn St., CHICAGO

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THE growth of the florists' business is shown by the census figures reproduced elsewhere in this issue.

California Inspection Law.

The California nursery and inspection law recently adopted provides for the inspection of all "nursery stock, trees, shrubs, plants, vines, cuttings, buds, or fruit pits, grafts, scions, or fruit or vegetables or seed" immediately upon arrival, and if found infected with injurious insects or disease, disinfected or ordered removed from the state within 48 hours. Any person violating the act may be punished by imprisonment or fine or both. The law also provides for stringent quarantine against disease or animals destructive to trees, vines, bushes or vegetables.

National Council of Horticulture.

The sixth installment of the press service of the National Council of Horticulture contains articles upon the following subjects: "Japanese Iris," "Celery." These articles are timely and instructive and are distributed to florists, seedsmen, nurserymen and the press for the purpose of extending the interest of horticulture. Copies may be obtained of J. H. Burdett, 1620 West 104th place, Chicago.

Convention Sports.

The prize list for the approaching sporting events to be held in connection with the convention of the Society of American Florists at Chicago next August is now in preparation. Anyone who desires to donate a prize will greatly oblige by sending full particulars as early as possible. It is the desire of those in charge of this department of convention work to make it the biggest and best bowling, shooting and outing occasion ever held in connection with the annual meeting of the national organization. All communications bearing on the convention sports and prizes, therefore, should be addressed to C. J. Graham, 12349 Euclid avenue, Cleveland, O.

The donor should send particulars of their prizes early so as to afford those in charge an opportunity of giving them full publicity.

Chrysanthemum Society of America.

The annual meeting and exhibition of the Chrysanthemum Society of America will be held in connection with the chrysanthemum exhibition of the American Institute at Exhibition Hall, 19-21 West Forty-fourth street, New York, November 6-8. The premium list of the local body and the national organization's list of special prizes may be had on application to W. A. Eagleson, 19-21 Forty-fourth street, New York. The special prizes include the following:

- Chrysanthemum Society of America silver cup for 10 blooms, one variety.
- Wm. Kleinheinz, Ogontz, Pa., prizes for five blooms Wm. Kleinheinz.
- John Lewis Childs, Floral Park, N. Y., prizes for plant grown in 8-inch pot of Glory of Seven Oaks.
- Elmer D. Smith & Co., Adrian, Mich., prizes for 12 blooms Manhattan.
- Chas. H. Totty, Madison, N. J., prizes for six blooms Ramapo.
- W. Wells & Co., Merstham, Surrey, England, gold, silver and bronze medals for three blooms Annie L. Angus.
- Geo. W. Burke, Pittsburg, Pa., prizes for six blooms Mrs. George W. Burke.
- Henry A. Dreer, Inc., Philadelphia, Pa., prize for six blooms, pink, one variety.

Foley Mfg. Co., Chicago, prize for six blooms, white, one variety.

Lord & Burnham Co., New York, gold medal for six blooms American seedling chrysanthemum, never before exhibited.

Harry E. Converse, Marion, Mass., silver cup for six blooms Harry E. Converse.

A. N. Pierson, Inc., Cromwell, Conn., prizes for 12 blooms, any one variety, long stems, and vase of pompon varieties.

Hitchings & Co., New York, silver cup for 10 vases of pompon varieties, one variety in each vase.

National Association of Gardeners.

The summer meeting of the executive committee of the National Association of Gardeners will be held at Horticultural Hall, Boston, Mass., on Saturday afternoon, July 13, 1912. Notice of the hour of the meeting will be posted in the Hall during the forenoon of that day. William Sim, president of the National Sweet Pea Society of America, has extended an invitation to all members of the National Association of Gardeners to attend the Sweet Pea Exhibition, which will occur on the same day as the meeting of the executive committee, and to participate in the general program that is being arranged for the members of the Sweet Pea Society. Present indications are that a large attendance of National Association members will be on hand, many of them as competitors for the liberal prizes which are being offered by the Sweet Pea Society at their annual exhibition.

M. C. EBEL, Sec'y.

Society of American Florists.

As the date of the Convention which is held in Chicago, August 20-23, draws near, greater interest is being manifested, and the balance of available space is being rented rapidly. During the week large blocks of space have been reserved by the following: Detroit Flower Pot Co., Detroit. W. A. Manda, So. Orange, N. J. Knight and Struck, New York. Cushman Gladiolus Co., Sylvania, O. E. E. Stewart, Rives Junction, Mich. Mead & Sydam, East Orange, N. J. Sup. Mach. and Boiler Wks., Chicago. H. N. Bruns, Chicago. George P. Limbert Co., Chicago. Ill. State Assn., Illinois. Florists Exchange, New York. Universal Portland Cem. Co., Chicago. Vaughan Seed Store, Chicago. American Blower Co., Detroit, Mich. Burl. W. W. Shops, Burlington, Ia. There will also be a fine display of modern ice boxes and refrigerators for florists' use, by the leading manufacturers of the country. This will be one of the attractive features of the exhibition.

JOHN YOUNG,  
Supt. of Trade Exhibition.

Chicago's Balmy Climate.

Chicago is known far and wide as an all-the-year-round resort, mild in winter and cool during the summer months. The expansive waters of Lake Michigan render the temperature enjoyable at all times, and the peculiar ozone is rejuvenating as well as bracing, making the old young again and the youthful irresistible. There is a tradition, which can be substantiated only by the mermaids of the Chicago river, of one very hot day in Chicago, viz., July 4, 1776, and the descendants of those who survived that day are not to be found hereabouts, so that it will be impossible to verify this statement when you come here next August to the convention. It will be easy, however, to prove the accuracy of the appended figures giving the normal August temperature of Chicago and other leading cities supplied by the United States Weather Bureau, Washington, D. C., as follows:

|                       |      |
|-----------------------|------|
| Chicago.....          | 71.2 |
| New York.....         | 72.2 |
| Pittsburgh, Pa.....   | 72.5 |
| Philadelphia, Pa..... | 73.8 |
| Washington, D. C..... | 74.5 |
| Baltimore, Md.....    | 74.7 |
| Cincinnati, O.....    | 75.5 |
| St. Louis, Mo.....    | 77.2 |

MICHAEL BARKER, Chairman,  
PRESS AND ADVERTISING COMMITTEE.

## Meetings Next Week.

Baltimore, Md., July 8, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Butte, Mont., July 12.—Montana Florists' Club, Columbia, Gardens.

Chicago, July 11, 8 p. m.—Chicago Florists' Club, Union Restaurant, 68 West Rudolph street.

Chicago, June 10.—Gardeners' and Florists' Union No. 10615, 230 North Clark street.

Cincinnati, O., July 8, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., July 8, 7:30 p. m.—Cleveland Florists' Club, Progress ball, 2610 Detroit avenue.

Hartford, Conn., July 12, 8 p. m.—Connecticut Horticultural Society, County building.

Madison, N. J., July 10, 8 p. m.—Morris county Gardeners' and Florists' Society, Masonic hall.

New York, July 8, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

Rochester, N. Y., July 8, 8 p. m.—Rochester Florists' Association, 97 Main street east.

Springfield, O., July 8.—Springfield Florists' Club, office of the Good & Reese Co.

St. Louis, Mo., July 11, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., July 10.—Toledo Florists' Club.

**Help Wanted**—For Aug. 1st, single man to take charge of greenhouses on private place in Iowa; must understand roses, carnations and bedding stock; good position for the right man.  
VAUGHAN'S SEED STORE, Chicago.

**For Sale**—Retail business; big bargain; well established; splendid location; low rent. Must sell quick.  
921 N. Kingshighway, St. Louis, Mo.

**For Sale**—Three lots, 6000 ft. of glass; only greenhouse in hustling town of 6000 inhabitants; doing good business; no competition; at a bargain.  
Address J. H. FREEMAN, Salida, Colorado.

**For Sale**—Eight acres good land on rock boulevard, five and one-half miles from heart of Kansas City. Good greenhouse and well established business. Splendid opening. For particulars write  
A. PEACHEY, Merriam, Kas.

**For Sale**—"Improved Capitol Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80 1/2 in. Bought Nov., 1910, used 5 months. Price \$300 cash.  
THE PANA GREENHOUSES, Pana, Ill.

**For Sale**—Florist; well established business in good thriving town; 4 1/2 acres land, 60 cherry trees, 3000 strawberry, 1000 red raspberry and other small fruits; 12 room house; good barn; 2 good water wells; 3500 feet glass, built 3 years; natural gas; good reason for selling. Price \$6,500.  
Address M. J. CROSBY, West Salamanca, N. Y.

**For Sale**—Well established florist business in center of city of 15,000; last year's sales, \$9,000.00; a No. 1 place; 4,000 feet of glass; store and small house connected. This is a No. 1 place, and will bear the closest investigation: will be sold at a bargain; cause, ill health.  
JACOB SCHNEIDER, Manistee, Mich.

**For Sale**—A good retail florist business; 25,000 sq. ft. glass; 7-room modern residence; 30 acres of good ground; all in city limits; good town; this place will stand close investigation; books to show; \$3,000 cash required, balance on time; \$12,500 for place; can make price of place in several years; to any one wanting a good business will be pleased to give full particulars by return mail.  
Address Key 641, care American Florist.

**For Sale**—Good and growing business. Will sell our Seed and Poultry Supply Store at a bargain. We take inventory July 1st, which will amount to about \$10,000. First class, fresh stock, well bought. Come and see what we have. No better country in the world. Los Angeles is growing phenomenally, and is finer in summer than in winter. Owner is not a seedman and has other business.  
WEST COAST SEED HOUSE,  
116-118 East 7th Street, Los Angeles, Cal.

**Wanted**—A florist in an eastern city, owing to other business, wishes to incorporate; has a well established business; good investment for the right party.  
Key 646, care American Florist.

**Wanted to Rent**—Greenhouse, with stock, near Chicago, for term of years, with privilege of buying; prefer one with some land in good town or city.  
"FLORIST,"  
P. O. Box 164, Allen, Mich.

**Wanted**—A florist who wants to go in business for himself. To the right man, with \$1000 down payment, I will sell 4 1/2 acres of choice land, with good 12-room frame house, good barn, with gasoline engine and pump in basement and water tank in loft, also pipes connecting tank with gardens. 3,500 feet are under glass and balance in flower gardens and garden truck. Fine ginseng patch will yield \$500 annually. Located on main street in a city of 10,000 in Western New York. Street cars pass door. Great snap for a young man and a chance to build a large rose business in a rapidly growing city.  
C. L. VAN VALKENBURG,  
723 Monadnock Block, Chicago.

## Storeman.

A western florist, doing a high class business, has an opening for a man who can take charge of the work and customers where an extensive business is done. Good position and pay to the right man.

Key 664, care American Florist.

## Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address

Key 615, care American Florist.

## Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

## Greenhouse Foreman.

We want a competent man to take charge of a wholesale and retail greenhouse business. Must be fully qualified as a grower and as a salesman. State age and give full particulars of experience.

Key 659, care American Florist.

## Wanted At Once.

## NURSERY MANAGER

For Mail Order Business, one who is familiar with conditions in the Northwest. Married man preferred. Good dwelling house on place. Splendid opportunity for the right man with some capital.  
Address Key 657, care American Florist.

## Plantsman Wanted.

Advertiser has a permanent position, with good salary, for an experienced plantsman, able to grow a general line of commercial plants, palms, ferns, and miscellaneous flowering plants. Give full particulars in first letter. Address  
Key 661, care American Florist.

## ..FOR SALE..

Retail store doing a splendid high class business, established for 10 years. Can give 5-year lease with cheapest rent on State St. New icebox, good fixtures and mosaic floor. Will sell cheap on account of moving to larger quarters. A splendid opportunity for someone.

**Canger & Gormley,**  
187 North State Street, CHICAGO.

## For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line; good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE,  
1607 Second Avenue, Rock Island, Ill.

## FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of  
JOHN F. HAHN,  
1572 Sherman Avenue, Evanston, Ill.

## WANTED!

A First Class  
Orchid Grower

for my new additional Cattleya houses. Permanent work for the right man.

J. A. CARBONE,  
West Berkeley, California.

## First-Class Storeman.

A No. 1 Designer and Decorator, used to waiting on first-class trade, who will stand strictest investigation as to character, sobriety and ability, is open for engagement now or Sept. 1. A man who is capable of taking full charge and is not afraid of hard work and can be relied on at any time.

Key 656, care American Florist.

## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By expert carnation grower. Competent to take full charge. Send particulars in first letter.  
A. WOOD SMITH, Allison Park, Pa

**Situation Wanted**—By grower of Roses and Carnations; competent to take charge and produce first-class stock. References. Please state wages.  
Address FLORIST, Harvey, La.

**Situation Wanted**—By experienced florist, also gardener; German; married; strictly sober; good grower of carnations, mums, roses, bedding plants, and all kinds of vegetables; would consider commercial or private place; able to take charge of private estate.  
Address  
Key 667, care American Florist.

**Help Wanted**—Single man to take charge of greenhouses on private place.  
Key 669, care American Florist.

**Help Wanted**—Greenhouse man, near Baltimore; must be steady; sober; state wages wanted, with board and room. Address  
Key 665, care American Florist.

**Help Wanted**—2 or 3 young men as helpers under foreman, at once. State wages and particulars. None but steady, sober ones wanted.  
Address Key 651, care American Florist.

**Help Wanted**—Poultry man; competent man to take charge of poultry department in large seed store; give references and state salary expected.  
Address Key 666, care American Florist.

**Help Wanted**—A good carnation grower with money to invest in an established florist business, must be hustler and capable of looking after men.  
Address Key 647, care American Florist.

**Help Wanted**—Several quick potters, also man to take charge of palms and decorative stock. State wages expected in first letter. Address  
VAUGHAN'S GREENHOUSES,  
Western Springs, Ill.

**Help Wanted**—Carnation grower; one who can produce the stock; capable of taking charge; good salary and position; married man preferred; at once. Address  
Key 668, care American Florist.

**Help Wanted**—In British Columbia, an all-round grower of carnations, mums and a general line of pot and bedding plants; a steady position to the right man; must be sober and industrious and understand the business. Address  
Key 649, care American Florist.

**Help Wanted**—At once, a working foreman on a place of 40,000 feet of glass, where general stock is grown to supply our retail store; must be a producer of first-class stock, capable of handling help to advantage. Send recommendations and state wages expected in first letter, or call personally.  
JOHN RECK & SON, Bridgeport, Conn.

# FANCY LONG BEAUTIES

Mrs. Aaron Ward - Rhea Reid - Maryland - Kaiserin

THE BEST STOCK FOR SUMMER USE.

Buy Direct of the Grower.

We grow all the stock we sell and guarantee it strictly fresh.

## Price List

Subject to change without notice.

|                                                                               |                 |          |                                     |                   |
|-------------------------------------------------------------------------------|-----------------|----------|-------------------------------------|-------------------|
| <b>AMERICAN BEAUTIES</b>                                                      |                 | Per doz. | <b>CARNATIONS</b>                   | Per 100           |
| Extra long .....                                                              |                 | \$3.00   | Extra long fancy, O. P. BASSETT.... | \$1.50 to \$ 2.00 |
| 36-inch .....                                                                 |                 | 2.50     | Extra long, fancy white.....        | 1.50 to 2.00      |
| 24-inch .....                                                                 |                 | 2.00     | Fancy pink .....                    | 1.50 to 2.00      |
| 18-inch .....                                                                 |                 | 1.50     | <b>FINE EASTER LILIES</b>           |                   |
| 12-inch .....                                                                 |                 | 1.00     | Per dozen .....                     | 1.00              |
| Short .....                                                                   | per 100, \$4.00 |          | Per 100 .....                       | 6.00              |
| <b>KILLARNEY AND WHITE KILLARNEY, RICHMOND, MARYLAND, KAISERIN AND PERLES</b> |                 |          | <b>LILY OF THE VALLEY.....</b>      | \$3.00 to \$ 4.00 |
| <b>AARON WARD AND RHEA REIDS</b>                                              |                 | Per 100  | <b>SWEET PEAS .....</b>             | 1.00 to 2.00      |
| Extra long select.....                                                        |                 | \$8.00   | <b>ASPARAGUS SPRAYS .....</b>       | 3.00 to 4.00      |
| Medium length .....                                                           | 4.00 to 6.00    |          | <b>SPRENGERI .....</b>              | 2.00 to 3.00      |
| Short .....                                                                   | 2.00 to 3.00    |          | <b>ADIANTUM .....</b>               | \$1.00 to \$ 1.50 |
|                                                                               |                 |          | <b>GALAX—Bronze .....</b>           | per 1,000, \$1.00 |
|                                                                               |                 |          | <b>NEW FERNS .....</b>              | per 1,000 2.00    |

All Seasonable Flowers at market prices.

# BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.  
Phone, Central 1457

CHICAGO

Greenhouses, HINSDALE, ILL.

Mention the American Florist when writing

### Chicago.

#### TRADE RATHER QUIET.

Trade the past week has been rather quiet and stock of all kinds is now very plentiful with the exception of orchids, which are having an extra good call. Carnations are in great oversupply and are still sold in large lots at bargain prices, although the extra select stock is selling at fairly good figures. American Beauty roses, especially the long and medium grades, are more plentiful than they have been for some time and good quality stock is now easily obtainable. Sweet peas are good property and are bringing good prices and lily of the valley is more plentiful, but a shortage was reported all last week. Roses are very plentiful and good stock is selling well. Some exceptionally fine Killarney, White Killarney, My Maryland, Kaiserin Augusta Victoria, Radiance, Prince De Bulgarie and Mrs. Aaron Ward are to be had and are having a good call. Fancy peonies are moving freely at good prices and gladioli are also selling better. Gardenias are very scarce, asters are arriving in much larger quantities and pond lilies in all colors can be obtained now. *Lilium candidum* and *L. auratum* of fine quality are moving slowly and outdoor flowers of every description are arriving in very large quantities. The wholesale stores will close at 5 p. m. during July and August and the out-of-town trade should bear this in mind and send in their afternoon orders early, so they will receive prompt attention. The coming S. A. F. convention is the principal talk in the market and a record-breaking attendance is looked for. Business on Tuesday was very quiet and customers are reported to be very scarce.

### NOTES.

C. L. Washburn, the well-known wholesaler of this city, and Miss Helen Van Aken of Hinsdale were married at the home of the bride's parents at 7:30 p. m., Saturday evening, June 29, Rev. Doctor Brown of the Congregational church officiating. The bride carried a beautiful shower bouquet of lily of the valley and white orchids and the maid-of-honor, Miss Louise Washburn, a bouquet of American Beauty roses. The home was artistically decorated with American Beauty and Mrs. Aaron Ward roses by Chas. Samuelson, and only the relatives and most intimate friends were present at the ceremony. The happy couple are enjoying their honeymoon in Michigan and E. B. Washburn has just received a letter from his father in which he states that the firm's customers in Detroit are showing him such a delightful time that the wedding trip is proving to be a very strenuous one. The genial wholesaler's many friends were greatly surprised to hear of his marriage, and all join in wishing him a safe voyage on the sea of matrimony.

J. F. Kidwell says that there will be an annual meeting of the directors and stockholders of the Chicago Flower Growers' Association on July 6 at 3 p. m., and earnestly requests all the members to be present. Eight new directors will be elected, four for one year and the same number for two years.

Wietor Bros. are featuring a fine grade of American Beauty roses and are cutting heavily in fancy Killarney, White Killarney, My Maryland and Mrs. Jardine. N. J. Wietor says that both the cut flower and plant trade are good and that business is very satisfactory.

The Florists' Club's baseball nine was out for practice again last Sunday and the members are rapidly rounding into shape for the coming S. A. F. Convention game. The boys will practice next Sunday and every member is earnestly requested to be present.

L. E. Sharp, of Sharp, Partridge & Co., says that the factories are out of glass at present and that the market is now exceedingly firm. He believes that there will be another advance in prices as soon as the supply that is now in stock is exhausted.

The Cook County Florists' Association baseball nine will play the crack Chicago Carnation Co.'s aggregation at Joliet, July 4. A. Miller is the twirler for the locals and Allie Zeck the receiver.

Louis Wittbold says that everything is going along nicely at his firm's Edgebrook establishment, and that the roses are looking good and those of the My Maryland variety are just beginning to break.

F. J. Simons, with Percy Jones, has returned from a most enjoyable visit at Mt. Sterling, Ill., and Wm. Abrahamson, with the same firm, left on July 1 for a week's visit at Saugatuck, Mich.

Geo. Faber of Kankakee stopped off here for a few hours on June 29 en route to Milwaukee, Wis., to join his family, who are visiting there.

H. W. Rogers, Weiland & Risch's efficient storeman, left on June 29 for a two weeks' visit at Spring Lake and Pentwater, Mich.

J. B. Deamud and his son's prospective father-in-law have returned from a pleasant visit to Dubuque, Ia.

Theo. Miller, with the Fleischmann Floral Co., is visiting his folks at Indianapolis, Ind.

# Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone  
Randolph 35

CHICAGO, ILL.

## JULY,

## August and September

we will have a large supply of

# Fancy Roses and Carnations

for we make a specialty of growing stock for the summer. We keep in our **Carnations** and take the best care of them, which gives us **Carnations** equal to winter-grown stock. We also continue to run **Roses** and **Beauties** through the summer, as well as young stock which is now just starting to come in.

## LARGE SUPPLY

**Asters, Gladioli, Sweet Peas, Valley,  
Easter Lilies, Carnations, Roses.**

Special Low Prices Quoted on Thousand Lots.

### CURRENT PRICE LIST

Subject To Change  
Without Notice.

|                                                          |                        |  |  |  |         |
|----------------------------------------------------------|------------------------|--|--|--|---------|
| <b>AMERICAN BEAUTIES.</b>                                | Per Doz.               |  |  |  | Per 100 |
| Specials .....                                           | \$3.00                 |  |  |  | \$ 8.00 |
| 36-inch .....                                            | 2.50                   |  |  |  | 6.00    |
| Medium .....                                             | 2.00                   |  |  |  | 3.00    |
| 18 to 20 in. ....                                        | 1.50                   |  |  |  |         |
| Short stem .....                                         | per 100 \$4.00 to 6.00 |  |  |  |         |
| <b>PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.</b> | Per 100                |  |  |  |         |
| Fancy .....                                              | \$8.00 to 10.00        |  |  |  |         |
| Medium .....                                             | 6.00                   |  |  |  |         |
| Short .....                                              | 4.00                   |  |  |  |         |
| <b>MELODY, fancy long.</b>                               | \$8.00 to 10.00        |  |  |  |         |
| Medium .....                                             | 6.00                   |  |  |  |         |
| Short .....                                              | 4.00                   |  |  |  |         |
| <b>MRS. AARON WARD.</b>                                  |                        |  |  |  |         |
| Fancy Long .....                                         | \$8.00 to 10.00        |  |  |  |         |
| Medium .....                                             | 6.00                   |  |  |  |         |
| Short .....                                              | 4.00                   |  |  |  |         |
| <b>RICHMOND, Fancy</b>                                   | 8.00                   |  |  |  |         |
| Medium .....                                             | \$4.00 to 6.00         |  |  |  |         |
| Good Short .....                                         | 3.00                   |  |  |  |         |
| <b>KILLARNEY, Fancy</b>                                  | 8.00                   |  |  |  |         |
| Medium .....                                             | \$4.00 to 6.00         |  |  |  |         |
| Good Short .....                                         | 3.00                   |  |  |  |         |
| <b>WHITE KILLARNEY, Fancy</b>                            |                        |  |  |  |         |
| Medium .....                                             | \$ 8.00                |  |  |  |         |
| Good Short .....                                         | 3.00                   |  |  |  |         |
| <b>ROSES, extra special billed accordingly.</b>          |                        |  |  |  |         |
| <b>CARNATIONS, extra fancy.</b>                          | 2.00                   |  |  |  |         |
| "    common .....                                        | 1.50                   |  |  |  |         |
| <b>SHASTA DAISIES</b>                                    | \$1.00 to 2.00         |  |  |  |         |
| <b>ORCHIDS, Cattleyas, per doz.</b>                      | 6.00 and up            |  |  |  |         |
| <b>PEONIES, our selection</b>                            | 4.00                   |  |  |  |         |
| <b>EASTER LILIES</b>                                     | \$8.00 to 10.00        |  |  |  |         |
| <b>STOCKS, fancy, per doz.</b>                           | \$0.50 to 1.00         |  |  |  |         |
| Marguerites .....                                        | 1.00 to 1.50           |  |  |  |         |
| Feverfew, per bunch .....                                | .35 to .50             |  |  |  |         |
| <b>VALLEY</b>                                            | 3.00 to 4.00           |  |  |  |         |
| DAISIES, field .....                                     | .75                    |  |  |  |         |
| SWEET PEAS, fancy Butterfly .....                        | .75                    |  |  |  |         |
| SWEET PEAS, common .....                                 | .50                    |  |  |  |         |
| ADIANTUM CROWEANUM .....                                 | 1.00                   |  |  |  |         |
| SMILAX, per doz. ....                                    | 2.00                   |  |  |  |         |
| SPRENGERII, PLUMOSUS SPRAYS .....                        | \$3.00 to 4.00         |  |  |  |         |
| PLUMOSUS STRINGS, extra long and heavy .....             | each .60               |  |  |  |         |
| PLUMOSUS, strong, long, medium .....                     | each .45               |  |  |  |         |
| FERNS .....                                              | per 1,000 2.00         |  |  |  |         |
| GALAX .....                                              | per 1,000 1.25         |  |  |  |         |
| LEUCOTHOE .....                                          | per 100 .75            |  |  |  |         |

# WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

SPECIAL SALE ON CARNATIONS. Best Quality Blooms, \$15.00 per 1000.

Also Special Offer on Roses. Long, \$5.00 per 100; Medium \$2.50 per 100.

**CURRENT PRICE LIST.**--Subject to change without notice.

**American Beauties.**

|                    |           |                    |           |
|--------------------|-----------|--------------------|-----------|
|                    | Per Dozen |                    | Per Dozen |
| 60-inch stems..... | \$3.00    | 24-inch stems..... | \$1.25    |
| 48-inch stems..... | 2 50      | 20-inch stems..... | 1.00      |
| 36-inch stems..... | 2 00      | 15-inch stems..... | .75       |
| 30-inch stems..... | 1.50      | Short Stems.....   | .50       |

**Killarney.**

|                    |         |
|--------------------|---------|
|                    | Per 100 |
| Extra special..... | \$7.00  |
| Selects.....       | 6.00    |
| Fancy.....         | 5.00    |
| Medium.....        | 4.00    |
| Good.....          | 3.00    |
| Short stems.....   | 2.00    |

**Richmond**

|                     |         |
|---------------------|---------|
|                     | Per 100 |
| Extra specials..... | \$7.00  |
| Selects.....        | 6.00    |
| Fancy.....          | 5.00    |
| Medium.....         | 4.00    |
| Good.....           | 3.00    |
| Short stems.....    | 2.00    |

**Jardine**

|                           |         |
|---------------------------|---------|
|                           | Per 100 |
| Fancy, 24-inch stems..... | \$8.00  |
| Good, 15 ".....           | 6.00    |
| Short.....                | 4.00    |

**White Killarney**

|                     |         |
|---------------------|---------|
|                     | Per 100 |
| Extra specials..... | 7.00    |
| Selects.....        | 6.00    |
| Fancy.....          | 5.00    |
| Medium.....         | 4.00    |
| Good.....           | 3.00    |
| Short stems.....    | 2.00    |

**My Maryland**

|            |        |
|------------|--------|
| Fancy..... | \$7.00 |
| Good.....  | 6.00   |
| Short..... | 4.00   |

Roses, our selection - - - **\$3.00**

**Carnations,**

|                    |        |
|--------------------|--------|
| Extra Special..... | \$1.50 |
| Fancy.....         | 1.25   |
| Good.....          | 1.00   |

HARRISII.....12.50 to 15.00

NEW FHRNS, per 1000, \$2.00.

SMILAX, per doz., \$2.00 to \$2.50.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

Louis B. Reuter, with Chris. Reuter, New Orleans, La., called on the trade here last week in the interests of U. J. Virgin, while here for the convention of the American Seed Trade Association. He became a member of that organization last week and, being only 21 years of age, is probably the youngest member on the list. Mr. Reuter left June 29 for a few days' visit at Detroit, and one of his most intimate friends says that the southern metropolis is going to have an option on the wedding bells in the very near future.

Otto W. Frese, with Poehlmann Bros. Co., is busy revising the old telegraph code for flowers, and as soon as he has it completed he will submit it for approval to all the local wholesale houses. He is undecided as to how he will distribute it, but it is most likely that all the dealers will give him some support and help a good cause along. No doubt Mr. Frese would be pleased to receive any suggestion from parties interested, and would appreciate it if they would communicate with him immediately.

C. E. Schaefer, of the La Crosse Floral Co., of La Crosse, Wis., placed an order for a new greenhouse, 16x120 feet, with the John C. Moninger Co., while he was in the city this week. Mr. Schaefer and family will leave for Europe on July 10 with the intention of returning in time for the S. A. F. convention in August.

Vaughan's Seed Store is receiving advance shipments of California freesia bulbs this week, fine stock of the regular refracta alba type, as well as Purity and Purity seedlings, also the firm's Giant White No. 7, which produces fine, pure white flowers on extra long, sturdy stem.

J. E. Jones, Jr., of the Advance Co., Richmond, Ind., was in the city this

week on a combined business and pleasure trip. He says that his firm will have a large exhibit at the S. A. F. convention and cordially invites the trade to inspect their ventilating apparatus.

Miss Marie Olmert has returned from a few days' cruise to Macatawa, Mich., and is again attending to her duties at the Chas. W. McKellar store. Frank Ayers will leave on July 13 for a few weeks' vacation in the Canadian wilds.

Poehlmann Bros. Co. is painting the interior of its store and otherwise getting things in shape for the coming S. A. F. convention, and John Grossman, the bookkeeper, is visiting his folks at Boonesville, Ind.

Stollery Bros. have a fine lot of gloxinias and the proprietors feel that they have at last learned how to grow these plants successfully after three years of experience.

C. M. Dickinson, with E. H. Hunt, is organizing a company of boy scouts in Park Ridge. Tony Einweck is playing bush-league ball in Iowa and Miss Burkardt is visiting friends in California.

The E. C. Amling Co. is receiving a fine grade of Radiance roses and the demand for this variety is very good. Mrs. Aaron Ward and Prince De Bulgarie are also seen here in large quantities.

Phil Schupp and party have returned from a most enjoyable auto trip through picturesque Wisconsin, and the genial wholesaler is again seen attending to his duties at the store.

The Cook County Florists' Association have their picnic well advertised on the market and a large crowd and a pleasant time is looked for at Karthanser's Grove on July 14.

The wholesale stores now close at 5 p. m. during July and August, and out-

of-town customers should bear this in mind, for it may save them a little trouble in the future.

John Zech says that Zech & Mann have been enjoying a good business right along, due probably to the excellent quality of the roses that his firm is handling.

John Kruchten is offering a fine grade of stock of all kinds, with Butterfly sweet peas and peonies showing up exceptionally good.

Tim Matchen, Peter Reinberg's store manager, and wife have returned with a nice mess of fish from a few days' outing at Round Lake.

Erne & Klingel say that business continues to be good and that the sales last week were nearly equal to those of the week before.

W. F. Dunteman made an automobile trip to Milwaukee last Sunday, June 30, and reports having had a most enjoyable time.

J. A. Axell, representing the C. W. McLellan Co., San Francisco, Calif., was a welcome visitor here this week.

The John C. Moninger Co. has just received a \$3,000 boiler order from E. P. Weinschenk of New Castle, Pa.

Geo. Mohn, with Vaughan's Seed Store, and family are spending their vacation in the Badger state.

Frank Johnson, with the A. L. Randall Co., is spending his honeymoon cruising on the northern lakes.

W. O'Brien and James Anderson have returned from a business trip to Milwaukee, Wis.

A. L. Vaughan & Co. are featuring a fine grade of gladioli and peonies and are receiving a large supply of asters.

L. Hoekner and wife will celebrate their tin wedding on July 6.

Edgar Winterson spent June 30 at Muskegon, Mich.

# Peter Reinberg

Long Distance Phone Central 2846.

**30 East Randolph St., CHICAGO.**

**Beauties = Roses = Carnations**

Send Your Orders Direct to the Grower and They Will be Taken Care of  
**CURRENT PRICE LIST.**

| AMERICAN BEAUTIES     |                       | Per doz.                    |                           |                              |
|-----------------------|-----------------------|-----------------------------|---------------------------|------------------------------|
| Extra long stems..... |                       | \$3 00                      | Mrs Aaron Ward            | { Select ..... \$8 00        |
| 36 inch stems.....    |                       | 2 50                        |                           | { Medium ..... 6 00          |
| 30 inch stems.....    |                       | 2 00                        |                           | { Short ..... \$4 00 to 5 00 |
| 24 inch stems.....    |                       | 1 50                        | Sunrise.....              | { Select ..... \$6 00        |
| 20 inch stems.....    |                       | 1 25                        |                           | { Medium ..... 5 00          |
| 15 inch stems.....    |                       | 1 00                        |                           | { Short ..... 4 00           |
| 12 inch stems.....    |                       | 75                          | Roses, our selection..... | 3 00                         |
| Short Beauties.....   |                       | 50                          | Carnations.....           | 1 50 to 2 00                 |
| Richmond.....         | } Select ..... \$8 00 |                             | Harrisii.....per doz.     | 1 50                         |
| Killarney.....        |                       |                             | Valley.....               | 3 00 to 4 00                 |
| White Killarney.....  |                       | Medium ..... \$5 00 to 6 00 | Sweet peas.....           | 75 to 1 25                   |
| My Maryland....       | Short ..... 4 00      |                             | Peonies.....per doz.      | 50 to 75                     |
|                       |                       |                             | Adiantum.....             | 1 00                         |
|                       |                       |                             | Asparagus, per bunch..... | 50                           |
|                       |                       |                             | Ferns, per 1,000.....     | 2 00                         |

## Extra Fancy Peonies

Roses, Gladioli, Carnations, Lily of the Valley and everything else seasonable in Cut Flowers and Greens.

**A. L. VAUGHAN & CO.**

(NOT INC.)

**161 N. Wabash Ave.**

PHONES { Central 2571  
Automatic 48-734

**CHICAGO**

Canger & Gormley have leased a store at 412 Michigan boulevard, in the Fine Arts building, and will take possession as soon as arrangements for moving can be made, which will be about the middle of this month. The new store is on the ground floor and is much larger than the present location, which is now for sale.

Fritz Bahr and his boys will make a vacation trip to British Columbia, starting about July 12 and returning in good time for the convention.

James Foley, of the Foley Mfg. Co., and Miss Foley, his sister, have gone to Montana to spend their vacation with Dr. Foley, their uncle.

Peter Reinberg has returned from Baltimore, Md., where he was in attendance at the national democratic convention.

The next meeting of the Chicago Florists' Club will be held at the Union Restaurant, Thursday, July 11, at 8 p. m.

Hoerber Bros. are cutting a fine grade of My Maryland roses and are also cutting a choice grade of Killarney.

H. S. Garland, with the Geo. M. Garland Co., is away on a western business trip.

W. N. Rudd and family are at Lake Villa on a brief vacation.

Visitors: Chas. Loveridge and wife, Peoria; A. C. Brown, Springfield; H. W. Buckbee, Rockford, and A. H. Burt, Kankakee, Ill.

NEWARK, N. J.—Mrs. Thomas A. Edison was made an honorary member of the New Jersey Floricultural Society on June 14.

### Worcester County Horticultural Society.

The Worcester County Horticultural Society held its annual show at Horticultural Hall June 27. President Edward W. Breed, assisted by Leonard C. Midgely, received the visitors and explained the fine points of the show to them. W. A. Putnam was complimented on the fine arrangement of the exhibition. There were awards for displays in twelve different classes.

R.

REDLANDS, CALIF. — Sidney Hockridge, manager of the City Nurseries, is erecting a greenhouse 95x200 feet on the campus of the University of Redlands. The greenhouse will cost \$5,000 and will be the most modern and complete in Southern California.

# Good Shipping Stock

Large Supply of Fine Peonies, Gardenias, Roses, Carnations, Sweet Peas, Gladioli, Lily of the Valley and Greens. A Trial Order Will Be Appreciated. Send It Now.

## JOHN KRUCHTEN

162 N. Wabash Ave., Phone Central 6269 CHICAGO.

### Cincinnati.

#### JUNE CLOSES WELL.

The close of June brought very satisfactory business. Work has kept up nicely, while some large wedding decorations served to clean up the better stock. The principal item of the wedding decorations was American Beauties. Other roses, too, sold well, and it is only occasionally that they crowd badly and tend to glut. Any chance of this, however, is over, for the growers are replanting and this has occasioned a shortening of the cut. Carnations are in large supply. The sweet peas, all from outdoors, have been in large supply and of good quality. Auratum lilies are now coming in. Other offerings include asters, gladioli, valley, Easter lilies in quantity, and water lilies. Green goods business is good.

#### NOTES.

According to an item in the real estate notes of a local daily, the Hill-Heller Co., of New Castle and Richmond, Ind., have made arrangements for opening a store at 532-534 Race street, this city, August 1. The location is in the heart of the shopping district. According to the item, "orders were also given for refrigerators of a special design, which will be installed in the local store before the end of thirty days."

Death claimed Charlotte L. Rubenschnoer, wife of Ernest Rubenschnoer, a retired truck farmer, Saturday afternoon. Three of the sons, Ernest, William and John, are successful West Price Hill florists.

C. E. Critchell offered some very fine peonies last week. He has also been receiving excellent Brides and Maids among the roses.

C. J. Jones had one wedding decoration last week at which he utilized close to a thousand choice American Beauties.

Visitors include Geo. Gans and Mrs. Gans and party, of Richmond, Ind.

H.

### St. Louis.

#### GOOD FLOWERS SCARCE.

Warm weather has been with us the past week and good flowers are becoming scarce. A fair demand for funeral work has used up most of the stock. Outdoor peas are arriving a little more freely and are quoted at 50 cents per 100. Planting out is about completed. Wholesalers and retailers alike are

seeking vacations. After the Fourth the real summer dullness is with us. Outdoor flowers will soon be a thing of the past and then we will be looking for asters and other varieties of flowers, which, although grown from the outside, find a steady market throughout the summer.

#### NOTES.

The Retail Florists' Association has done considerable work since organizing. Its action in taking up the high prices at holiday times must be commended. If the society could only establish a more uniform price for flowers at all times it would surely be beneficial to grower, wholesaler and retailer.

The Mullanphy Flower Co. has had a good season and has completed the planting out work. A splendid trade in cut flowers and all kinds of floral arrangements has been the rule.

Robert J. Windler was busy last week with closing exercises. His store is always well supplied with novelties and a great assortment in seasonable cut flowers.

The sunken garden recently finished in the rear of the Public Library building at Fourteenth and Olive presents a very attractive appearance.

The Wm. C. Smith Wholesale Floral Co. is getting some very nice outdoor peas, long stems, lavender, pink and white.

A. C. Canfield of Springfield, Ill., is shipping some light color pink asters to this market.

Geo. H. Angermueller had a fine supply of fancy peonies during the past week.

The retailers in general are talking vacation, as the dull season has fairly started.

The picnic committee is hard at work perfecting arrangements.

W. F.

### Oklahoma City.

#### FUNERAL DEMANDS HELP TRADE.

During the past week there has been an abundant rainfall throughout this section of the country and bounteous crops of all kinds are now assured. Taking into consideration the time of the year, the flower business is fairly good. Some rather elaborate funeral demands have helped materially in keeping the local florists busy.

#### NOTES.

The Pikes Peak Floral Co. of Colorado must have something in their native atmosphere that is peculiarly suit-

able to the producing of carnations during summer, judging from the superior quality of flowers they are now supplying to the Stiles Co. For length of stem, size and other attributes, they are equal to well grown stock seen in the East during February and March.

While speaking of stock that is shipped to this point, we must mention that the Stuppy Co. of St. Joseph, Mo., is sending magnificent long-stemmed sweet peas to Barteldes'. That these are of far better quality than can be produced locally is evident.

A public market has recently been established here and it is proving quite a success. It is going to have a great influence toward developing the trucking industry and incidentally, of course, will help materially the seed trade.

H. S. Clenehan, whose greenhouse establishment is located on East Sixteenth street, is erecting two iron frame greenhouses. Mr. McClenehan is very successful as a chrysanthemum grower.

Both the Stiles Co. and Barteldes had to execute many beautiful designs for the funeral of a very prominent citizen that took place June 25.

Among out-door flowers now available are dahlias, alyssum, candytuft, sweet peas and antirrhinum.

S. S. B.

### Washington

#### SOCIETY PEOPLE OUT OF TOWN.

There is little that is worthy of comment going on in the retail trade. The few society people that had not gone abroad or to their summer homes spent much time at Baltimore during the past week and they will doubtless be there again this week. There is considerable stock on the market but few really good flowers. Roses, carnations, sweet peas and gladioli are now the staples. It has been predicted that asters would be in by July 1, but thus far we have seen but one flower in bloom. For the past two weeks the weather has been decidedly rainy, with scarcely enough sun to occasionally dry the surface of the soil. Field stock is growing very fast and so are the weeds. Although we have not heard of any losses, it would appear that carnations, if planted on land with a heavy subsoil, must suffer.

#### NOTE.

Interest is being manifested in Ed. Schmidt's crab feast, which takes place on the night of July 2. The club meeting, it is predicted, will be merely incidental to the feast.

A. F. F.



# The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449  
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.  
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.  
G. C. WEILAND, Sec'y.

## NOTICE

Our store will close at 5 p. m. during July and August and our customers are earnestly requested to send in their orders early so they will receive prompt attention.

### CURRENT PRICE LIST:

| Grade                               | A       | B       | C       | D       | E       | F      | G |
|-------------------------------------|---------|---------|---------|---------|---------|--------|---|
| Beauties.....per dozen              | \$ 4.00 | \$ 3.00 | \$ 2.00 | \$ 1.50 | \$ 1.00 |        |   |
| Killarneys.....per 100              | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | \$2.00 |   |
| White Killarneys.....               | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Richmonds.....                      | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| My Maryland.....                    | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Perle.....                          | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Maids.....                          | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Brides.....                         | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Carnations.....                     | 3.00    | 2.00    | 1.50    | 1.00    |         |        |   |
| Easter Lilies.....                  | 10.00   | 8.00    | 6.00    |         |         |        |   |
| Orchids, Cattleyas.....             | 50.00   | 40.00   |         |         |         |        |   |
| Lily of the Valley.....             | 4.00    | 3.00    |         |         |         |        |   |
| Sweet Peas.....                     | 1.50    | 1.00    | .75     | .50     |         |        |   |
| Peonies.....                        | 5.00    | 4.00    | 3.00    |         |         |        |   |
| Daisies.....                        | 1.00    | .75     |         |         |         |        |   |
| Asparagus Plumosus Sprays.....      | 4.00    | 3.00    |         |         |         |        |   |
| Asparagus Sprengerl Sprays.....     | 4.00    | 3.00    | 2.00    |         |         |        |   |
| Mexican Ivy.....                    | .75     |         |         |         |         |        |   |
| Smilax.....                         | 25.00   | 20.00   |         |         |         |        |   |
| Adiantum.....                       | 1.00    | .75     |         |         |         |        |   |
| Galax, Green or Bronze.....per 1000 | 1.00    |         |         |         |         |        |   |
| Ferns.....                          | 2.00    | 1.50    |         |         |         |        |   |

—Send Your Orders for Summer Flowers to—

## CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock at Lowest Market Prices.

Long Distance Phone Central 3598.

### Baltimore.

#### CONVENTION HELPS SOME.

This has been a strenuous week. Convention has been with us and appears to be with us to stay awhile. Crowds of visitors, as well as the delegates and politicians, are here. Great excitement has prevailed since the very beginning and the crisis is not passed yet. The electrical display has been fine. The armory or convention hall was literally studded with electric bulbs. The roof, the sides and every conceivable spot were all brilliant. Flowering plants and vines from window boxes broke up the sombreness of the stone walls and added beauty. The public buildings and department stores are glittering with lights, flags, and drapery. Many of the big department stores have tiers upon tiers of window boxes; hundreds and hundreds of evergreens have been used, so that the florist and nurseryman have been helped. In the way of cut flowers, the sale has not been increased as expected. The sales have been about as usual. The month of June has been brisk. Demand good and flowers exceptionally fine. Carnations are coming in as fine as in the cold weather. Roses are a little small, but the foliage is good and they have been selling right along. The sales from commencement were beyond the expectations. Florists were kept busy. Harry Kline,

of Towson, as well as a number of others, said they had had their hands full getting out orders. There have been weddings galore.

#### NOTES.

I. H. Moss and Fred Bauer have each bought an automobile and have been spinning around during convention week.

The Gardeners' Club held their regular meeting Monday evening. They will hold an outing down the bay in July.

B.

### Philadelphia.

#### MANY OUTDOOR SWEET PEAS.

Outdoor sweet peas are now a strong factor, large quantities being thrown on the market every day. The quality is extra fine, the season having been very favorable to their growth. Prices, on account of the large supply and small demand, range low. Roses are plentiful but of poor quality. Mrs. Taft looks good for summer, Maryland keeps ahead of Killarney in the demand at this time. There are American Beauties but the local stock shows the effect of the heat. Eastern stock is still fine. Easter lilies have become an established summer favorite as they are always to be found in stock and of good quality. Gardenias are first class, but there is not much demand. The commission men report the out-of-town business fair for the season. Belated

weddings or an extra demand for funerals here or there keep the shipping clerks' hands in.

#### NOTES.

The cactus beds of Fairmount Park which are of such interest to the public are being planted this week. The depressed plateau in front of Horticultural Hall, which is considered the finest piece of bedding about this city, is starting off nicely. There is a different planting of some of the beds which Mr. Schmitz thinks will add materially to the effect.

The new houses of the R. Craig Co. at Norwood are progressing. The stock here is fine. Crotons, dracenas and ferns are the leading features; such a complete stock is scarcely to be seen anywhere else in the country.

The Andorra Nursery Co. of Chestnut Hill has sent out a general invitation to the public to view its Iris, Kaeupferi and other Japanese sorts. Their collection is a fine one and makes a beautiful display at this time.

K.

GENEVA, N. Y.—According to reports the Allen-Bailey Tag Co. is considering the advisability of moving its plant from Dansville to this place. S. E. Allen and J. A. Bailey were here recently and conferred with the chamber of commerce. The new location would put the firm nearer the large nurseries of Rochester and Geneva.

# Erne & Klingel

WHOLESALE FLORISTS

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L. D. Phone Randolph 6578

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AND GREENS

LARGE SUPPLY OF ALL KINDS

## KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

### Boston.

#### HEAT DRIVING PEOPLE AWAY.

There is a general relaxation of business conditions. The past week summer has again arrived and the buying people are flocking to the seashore and mountain resorts, their only thought at present to get away from the heat. Some of the trade are talking vacations; even some of the old patriarchs who used to think vacations were nonsense are bringing themselves to the view that a few days' rest helps brain and brawn. There are preparations being made for the influx of visitors to the sweet pea show. They will find Boston hospitable and our western brethren can enjoy fish dinners and listen to the waves lapping the shore. We think guides ought to be provided to tow the visitors safely through the various cow paths in the city and to steer them clear of the old farmer with the con game and the carpet bag filled with gold bricks.

#### NOTES.

On and after July 1, Welch Bros. will be Welch Bros. Co., they having taken out papers of incorporation. For 35 years the name has been familiar to the trade of the country. The officers of the company are P. Welch, president; Ed. Welch, vice-president; David Welch, treasurer. The personnel of the company is about the same but with the increase of business and the increase booked ahead they feel it will be more easily handled by using up-to-date methods of all the big business concerns and may rest assured that the name will be perpetuated after the present firm members are gathered to their fathers. Thirty-five years in business means something.

N. F. McCarthy is improving from his recent operation. MAC.

### Pittsburg.

There is little good stock, and we are satisfied, as business corresponds. Everyone is now giving his attention to the planning of his summer vacation.

C. H. Puhlman, Carnegie, was married to Miss Anna Thiemal, June 26, and the happy couple are spending their honeymoon at Cambridge Springs.

Geo. McCallum and John Sicily of the sales force of the McCallum Co., were laid up all last week with tonsillitis, which necessitated sending a C. Q. D. call to Jack Martin, who was on his vacation, and who is still on the job.

At a meeting of the creditors of G. & J. W. Ludwig, an offer of thirty cents on the dollar was made to the creditors on his behalf to take over the store. This was satisfactory to the Ludwig firm and to the creditors and was accepted. A committee of Ben Elliott, E. J. McCallum and P. J. Demas was appointed to carry on the negotiations.

## BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

**PRACTICAL FLORICULTURE** (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

**THE AMERICAN CARNATION** (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

**MANUAL OF THE TREES OF NORTH AMERICA** (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. \$6.00.

**THE ROSE**.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

**STEAM HEATING FOR BUILDERS** (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

**FUMIGATION METHODS** (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated 250 pages. \$1.00.

**OUTDOORS** (McGaffey).—A breezy little book of the woods, fields and marshlands. Interesting to the lover of outdoor sports, the fisherman, hunter or botanist. Readable from cover to cover.

**CHRYSANTHEMUM MANUAL** (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

**HEATING AND VENTILATING BUILDINGS** (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. \$4.00.

W. Q. Potter, manager of the Cleveland store of the McCallum Co., was called to Washington to attend the funeral of his grandmother, and stopped off in this city a few hours.

James Blankensop, Washington, who recently disposed of his business there, has organized a tent show and will play through the south this summer.

Earl Lutes, Monesson, has sold his store at that place to S. C. Crall of

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. \$1.25.

**GREENHOUSE CONSTRUCTION** (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

**HOW TO LAY OUT SUBURBAN HOMES** (Kellaway).—Contains many useful hints and practical plans as to improving and laying out suburban homes and grounds. There are 112 pages, 38 half-tone illustrations and 15 plans and maps. \$2.

**THE VEGETABLE GARDEN** (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. \$6.00.

**YARD AND GARDEN** (Baker). An excellent book treating on the method of making home gardens attractive. The author covers a wide range of subjects in quite an able manner and the book is full of interest for the amateur gardener; 140 illustrations, 420 pages, \$2.

**WINDOW GARDENING**.—(Dorner.) An excellent treatise on this interesting subject telling in plain language the best methods of cultivating plants in rooms and windows. The author is a well known and practical grower. Well bound in green cloth, 153 pages and 43 illustrations, \$1.25.

**LANDSCAPE GARDENING** (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50.

### The American Florist Co.

440 S. Dearborn St. Chicago

Monongahela. Mr. Crall will operate both stores.

P. R. De Muth, Connellsville, and A. T. Linn of Lock No. 4, both well known florists, passed away last week.

W. F. Kasting of Buffalo, who is a delegate to the Baltimore convention, spent a day with us.

The wholesale houses are closing at 5 p. m. during July and August. J.

# A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House  
 66 E. Randolph Street, Phone Central 1496. CHICAGO  
 Everything in Cut Flowers and Supplies.

## Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

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### E. C. AMLING CO.

THE LARGEST,  
 BEST EQUIPPED,  
 MOST CENTRALLY LOCATED  
 WHOLESALE  
 CUT FLOWER HOUSE  
 IN CHICAGO.  
 68-70 E. RANDOLPH STREET  
 CHICAGO.  
 L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

### ROSES

White and Pink Killarney and Richmond  
 Roses. Red, White and Pink Carna-  
 tions. Callas, Sweet Peas, and  
 Greens of all kinds.

W. E. Trimble Greenhouse Co.  
 Princeton, Ill.

Mention the American Florist when writing

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 Wholesale Florists

130 N. Wabash Ave., CHICAGO

PHONES } Central 3155  
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#### Bouvardias.

The bouvardias will demand more or less attention during the warm weather when they are growing rapidly. Keep all the strong leaders pinched back so that they will branch out into more shoots. If planted in the field keep them well hoed that the moisture may be conserved and the weeds kept down. During the hot weather keep a sharp lookout for red spider and if they appear upon the plants spray them heavily night and morning. These minute insects quickly ruin bouvardias and if they once obtain a foothold are hard to get rid of, and during the warm days of fall after the plants are moved into the houses will work havoc with the stock. It is easier to prevent their getting established than to overcome them later.

# J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY WHOLESALE  
 and CARNATIONS Grower of CUT FLOWERS  
 A Specialty.....

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Store: 162 N. Wabash Avenue, CHICAGO

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## Wholesale Flower Markets

|                                  | CHICAGO, July 3. | Per doz.   |
|----------------------------------|------------------|------------|
| Roses, Beauty, specials.....     | 3 50@            | 4 00       |
| " " 36-in.....                   |                  | 3 00       |
| " " 30-in.....                   |                  | 2 50       |
| " " 24-in.....                   |                  | 2 10       |
| " " 15-20-in.....                | 1 25@            | 1 50       |
| " " 12-in.....                   |                  | 75@ 1 00   |
| " " Short.....                   |                  | Per 100    |
| " Killarney.....                 |                  | 4 00@ 8 00 |
| " White Killarney.....           |                  | 3 00@ 8 00 |
| " Richmond.....                  |                  | 3 00@ 8 00 |
| " Prince de Bulgarie.....        |                  | 4 00@10 00 |
| " Radiance.....                  |                  | 4 00@10 00 |
| " Mrs. Aaron Ward.....           |                  | 4 00@10 00 |
| " My Maryland.....               |                  | 3 00@ 8 00 |
| " Melody.....                    |                  | 4 00@10 00 |
| " Bride.....                     |                  | 3 00@ 8 00 |
| " Bridesmaid.....                |                  | 3 00@ 8 00 |
| " Mrs. Jardine.....              |                  | 3 00@ 8 00 |
| " Kaiserin Augusta Victoria..... |                  | 3 00@ 8 00 |
| Asters.....                      |                  | 1 00       |
| Carnations.....                  |                  | 1 50@ 3 00 |
| Callas.....per doz.,             | 1 50@2 00        |            |
| Cattleyas.....per doz.,          | 6 00             |            |
| Daisies.....                     |                  | 1 00@ 2 00 |
| Feverfew...per bunch,            | 35@ 50           |            |
| Gardenias.....                   |                  | 3 00       |
| Gladoli.....per doz.,            | 75@ 1 00         |            |
| Lilium Harrisii.....per doz.,    | 1 50             |            |
| Marguerites.....                 |                  | 1 00@ 1 50 |
| Spanish Iris.....                |                  | 4 00       |
| Stocks, fancy...per doz.,        | 50@1 00          |            |
| Sweet Peas.....                  |                  | 50@ 1 00   |
| Peonia.....                      |                  | 2 00@ 4 00 |
| Valley.....                      |                  | 2 00@ 4 00 |
| Adiantum Croweanum.....          |                  | 1 00       |
| Ferns.....per 1000.              |                  | 2 00       |
| Galax.....                       |                  | 1 25       |
| Leucothoe.....                   |                  | 75         |
| Plumosa String.....each,         |                  | 60         |
| Smilax.....per doz.,             | 2 50             |            |
| Sprengerl, Plumosa Sprays.....   | 3 00@ 4 00       |            |

TORONTO, ONT.—The exhibition held by the Toronto Horticultural Society June 7 was one of the most successful in the history of the society. A large number of prizes were awarded.

## Percy Jones

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

## Zech & Mann

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Telephone, Central 3284.

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# Field Grown Carnation Plants

All The New and Best Commercial Varieties

SEND FOR COMPLETE LIST AND QUOTATIONS.

THE LEO NIESSEN CO., Wholesale Florists, Philadelphia, Pa.  
N. W. Cor. 12th and Race Sts.

# EASTER LILIES

All year round grown by  
Hoffmeister Floral Co.  
Lickrun, Cincinnati, Ohio

## Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin,  
Bon Silene and Safrano. All clean, healthy stock.  
WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.  
Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

## WELCH BROTHERS,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley,  
Carnations, Killarney, Richmond, Maryland,  
and other seasonable stock.

## Pittsburgh Cut Flower Company

WHOLESALE GROWERS

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## Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

# EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio  
Pittsburg, Pa.

Cleveland.

GOOD DEMAND FOR ROSES.

Candidum lilies will be somewhat less plentiful than last year owing to the extremely cold weather. Most of them are going into storage. Outdoor sweet peas, all colors, are arriving in large quantities; quality is exceptionally fine. Carnations are showing the effect of the warm spell, but the supply is more than equal to the demand. Roses are in full crop, the warm weather bringing them in in large numbers, and many of them pop wide open before they are unpacked. American Beauties are in fine shape, and the demand is gratifying. Easter lilies are in very large supply, with a poor demand. Water lilies are in good demand, the large white and colored (cultivated stock) being exceptionally fine. Valley and orchids are selling readily, the quality being exceptionally fine. Delphinia, Coreopsis, Gysifilium, etc., are part of the daily stock. The demand for peonies is very good, and the supply at the storage house is fast dwindling to only a few pairs. Greens of all kinds are plentiful. Local dagger ferns are arriving; quality good.  
C. F. B.

## Wholesale Flower Markets

| BUFFALO, July 3.       |                  | Per 100 |
|------------------------|------------------|---------|
| Roses, Beauty, special | 20 00@25 00      |         |
| " " fancy              | 15 00@20 00      |         |
| " " extra              | 12 00@15 00      |         |
| " " No. 1              | 6 00@10 00       |         |
| " " No. 2              | 2 00@4 00        |         |
| Bon Silene             | 2 00@3 00        |         |
| Maid and Bride         | 3 00@6 00        |         |
| Pink Killarney         | 3 00@6 00        |         |
| White Killarney        | 3 00@6 00        |         |
| Richmond               | 3 00@8 00        |         |
| My Maryland            | 3 00@6 00        |         |
| Kaiserine              | 3 01@8 00        |         |
| Carnot                 | 4 00@7 00        |         |
| Carnations             | 1 00@2 00        |         |
| Iris                   | 1 00@1 50        |         |
| Lilium Longiflorum     | 7 00@10 00       |         |
| Lily of the Valley     | 3 00@4 00        |         |
| Peonies                | 2 00@3 00        |         |
| Swainsona              | 50@1 00          |         |
| Sweet Peas             | per bu., 4@6c    |         |
| Adiantum Crowneum      | 75@1 50          |         |
| Asparagua, per bunch   | 35@ 50           |         |
| Asparagua Sprengeri    | 35@ 50           |         |
| Ferns                  | per 1000, \$1 50 |         |
| Galax                  | per 1000, \$1 50 |         |
| Smilax                 | 15 00            |         |
| Gladioli (to doors)    | 3 00@ 5 00       |         |
| Candidum Lily          | 4 00@ 5 00       |         |

| BOSTON, July 3.            |             | Per 100 |
|----------------------------|-------------|---------|
| Roses, Beauty, best        | 20 00@25 00 |         |
| " " medium                 | 12 00@20 00 |         |
| " " curls                  | 1 00@ 2 00  |         |
| " " Bride, Bridesmaid      | 2 00@ 6 00  |         |
| " " Extra                  | 2 00@ 6 00  |         |
| " " Killarney and Richmond | 2 00@ 8 00  |         |
| " " My Maryland            | 2 00@ 8 00  |         |
| " " Carnot                 | 6 00@12 00  |         |
| Carnations, select         | 1 00@ 2 00  |         |
| Callas                     | 8 00@12 00  |         |
| Cattleyas                  | 35 00@50 00 |         |
| Gardenias                  | 6 00@12 00  |         |
| Lilium Longiflorum         | 4 00@ 8 00  |         |
| Lily of the Valley         | 2 00@ 4 00  |         |
| Mignonette                 | 3 00@ 6 00  |         |
| Narcissus, yellow          | 1 00@ 3 00  |         |
| " " white                  | 1 00@ 3 00  |         |
| Sweet Peas                 | 25@ 75      |         |
| Smilax                     | 12 00@16 00 |         |
| Snapdragon                 | 6 00@ 8 00  |         |
| Spirea                     | 2 00@ 3 00  |         |
| Stocks                     | 2 00@ 4 00  |         |

| St. Louis, July 3.          |             | Per 100 |
|-----------------------------|-------------|---------|
| Roses, Beauty, medium stems | 25 00@30 00 |         |
| " " short stems             | 2 00@ 4 00  |         |
| " " Killarney               | 3 00@ 6 00  |         |
| " " My Maryland             | 3 00@ 6 00  |         |
| " " White Killarney         | 2 00@ 6 00  |         |
| Carnations                  | 1 50@ 2 00  |         |
| Callas                      | 6 00@ 8 00  |         |
| Easter Lilies               | 10 00       |         |
| Peas                        | 40@ 60      |         |
| Valley                      | 3 00@ 4 00  |         |
| Asparagus Sprengeri         | 2 00@ 3 00  |         |
| Asparagus Plumosus, per bu. | 35@60       |         |
| Asters                      | 2 00@ 4 00  |         |
| Ferns, New, Fancy           | 2 00        |         |
| Gladiolus                   | 5 00@ 8 00  |         |

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Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists, BUFFALO, N. Y. Florists' Supplies and Wire Designs.

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AT ALL TIMES

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A Complete Line of Wire Designs.

## THE MUNK FLORAL CO.

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

| CINCINNATI, July 3.            |                    | Per doz., 50@ 3 00 |
|--------------------------------|--------------------|--------------------|
| Roses, Beauty                  | per doz., 50@ 3 00 |                    |
| " " Bride, Bridesmaid          | 2 00@ 8 00         |                    |
| " " Killarney                  | 2 30@ 8 00         |                    |
| " " My Maryland                | 2 00@ 8 00         |                    |
| " " Perle                      | 2 00@ 8 00         |                    |
| " " Richmond                   | 2 00@ 8 00         |                    |
| " " Talt                       | 2 00@ 8 00         |                    |
| Carnations                     | 2 00               |                    |
| Lilium Giganteum               | 8 00@10 00         |                    |
| Gladioli                       | 2 00@ 8 00         |                    |
| Lily of the Valley             | 3 00@ 4 00         |                    |
| Sweet Peas                     | 35@ 50             |                    |
| Adiantum                       | 1 00               |                    |
| Asparagus Plumosus, per bunch  | 25                 |                    |
| Asparagus Sprengeri, per bunch | 25                 |                    |
| Asters                         | 2 00@ 5 00         |                    |
| Shaeta Dalais                  | 1 00               |                    |

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MILWAUKEE'S  
LEADING PLANT,  
CUT FLOWER AND  
FLORIST SUPPLY  
HOUSE.

## HOLTON & HUNKEL CO.

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MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,  
Tulips, Peonies, Lilies,  
AND ALL OTHER  
CUT FLOWERS and GREENS

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**J. M. McCullough's Sons Co.,**  
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Special attention given to Shipping Orders.

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Both L. D. Phones.

Supplies and Everything in Season always on hand  
Mention the American Florist when writing

Nassau County Horticultural Society.

The annual summer exhibition of the above society was held at the Nassau Country Club, Glen Cove, June 18. The display was quite up to the usual good standard of previous years, although the roses were a little off owing to the date being a week late. In the class for hardy flowers H. Gant, gardener to H. L. Prate, carried off the premium honors with a very fine display. A. Mackenzie, gardener to Percy Chubb, exhibited a table of orchids and gloxinias which was very attractive; the same was awarded a certificate of culture and J. W. Everett, gardener to John Prate, was awarded a C. C. for a very fine lot of hardy delphiniums and La France roses. Other special awards were: C. C. to L. G. Forbes for collection of roses; H. M. to James Holloway for collection of perennials; H. M. to Percy Chubb for lilies, snapdragons and Spirea Queen Alexandra; H. M. to H. L. Prate for English iris; H. M. to E. Pester for new climbing rose Violet Blue; H. M. to F. O. Johnson for Tuberosa Richardsonii, and H. M. to W. V. Hester for sweet peas. The show was attended by many of the fashionable colony and on the whole was a great success.

JAMES MACDONALD,  
Corresponding Secretary.

BOSTON, MASS.—The Massachusetts Horticultural Society's exhibition of roses, peonies and strawberries in Horticultural Hall June 22 and 23 was a complete success.

## Wholesale Flower Markets

MILWAUKEE, July 3. Per 100

|                                  |            |
|----------------------------------|------------|
| Roses, Beauty, per doz., 75@3 00 |            |
| .. Killarney.....                | 3 00@ 8 00 |
| .. Richmond.....                 | 3 00@ 8 00 |
| .. White Killarney.....          | 3 00@ 8 00 |
| Carnations.....                  | 1 00@ 3 00 |
| Daisies.....                     | 50@ 1 00   |
| Lilium Giganteum..... 1.25 doz.  | 8 00@10 00 |
| Peonies.....                     | 3 00@ 4 00 |
| Sweet Peas.....                  | 50@ 1 00   |
| Swainsona... per bunch,          | 35         |
| Asparagus..... per string,       | 50         |
| .. Sprengeri, per bunch,         | 35         |
| Ferns, Fancy..... per 1000,      | 2 00       |
| Galax..... per 1000,             | 1 50       |
| Smilax..... per doz.,            | 2 00       |
| Asters.....                      | 2 00@ 3 00 |

PITTSBURG, July 3. Per 100

|                                 |             |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 25 00       |
| .. " extra.....                 | 12 00@25 00 |
| .. " No. 1.....                 | 6 00@10 00  |
| .. Bride, Bridesmaid.....       | 2 00@ 4 00  |
| .. Chateaux.....                | 2 00@ 4 00  |
| .. Killarney.....               | 2 00@ 4 00  |
| .. My Maryland.....             | 2 00@ 4 00  |
| .. Richmond.....                | 2 00@ 4 00  |
| Carnations.....                 | 1 50@ 2 00  |
| Cattleyas.....                  | 50 00       |
| Lilium Longiflorum.....         | 10 00@12 00 |
| Lily of the Valley.....         | 4 00        |
| Oncidiums.....                  | 3 00@ 4 00  |
| Sweet Peas.....                 | 50          |
| Violets, single.....            | 25          |
| .. double.....                  | 50          |
| Adiantum.....                   | 1 00        |
| Asparagus Sprengeri, per bunch, | 35          |
| .. sprays..... per bunch,       | 35          |

PHILADELPHIA, July 3. Per 100

|                                    |             |
|------------------------------------|-------------|
| Roses, Beauty, extra.....          | 20 00@25 00 |
| .. " first.....                    | 8 00@12 00  |
| .. Brides and Maids.....           | 4 00@10 00  |
| .. Killarney.....                  | 4 00@15 00  |
| .. White Killarney.....            | 4 00@15 00  |
| .. Liberty.....                    | 4 00@15 00  |
| Calisea.....                       | 8 00@10 00  |
| Cattleyas.....                     | 35 00@50 00 |
| Gardenias..... per doz., 1 00@2 00 |             |
| Lilium Harrison.....               | 8 00@10 00  |
| Lily of the Valley.....            | 3 00@ 5 00  |
| Marguerites.....                   | 75@ 1 00    |
| Mignonette.....                    | 3 00@ 4 00  |
| Peonies.....                       | 6 00@12 00  |
| Snapdragons.....                   | 8 00@12 00  |
| Sweet Peas.....                    | 50@ 1 00    |
| Adiantum.....                      | 1 00@ 1 50  |
| Asparagus..... per bunch,          | 50          |
| Smilax.....                        | 15 00@20 00 |

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Wholesalers of Cut Flowers  
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## New York.

## DULL SEASON BEGINS.

The dull season has now arrived, and it is expected that there will not be much doing until October. During the latter part of the last week, however, the demand was much more brisk in many lines and prices were better. This was especially so with the best grade carnations. Roses of all kinds are very plentiful, but the quantity will shorten up very much from now on, as the large growers are throwing out old stock and replanting. The American Beauties will as usual be the most popular rose for the next two months, and as several growers make a specialty of growing these for the summer months, the outlook is that there will be no scarcity of these from now on. While there is no very great change in the orchid market, the supply is somewhat less. The supply of lilies is enormous and prices have reached even lower figures than previously quoted. Sweet peas are very fine, moving slowly. In only a few cases has it been possible to sell large shipments of crimson rambler roses for enough to cover the express charges. The very best quality lily of the valley seems to be doing better. There has been a very fair demand for the extra fine roses—Pink Killarney, Aaron Ward, Bulgarie and My Maryland.

Monday noon, July 1.—Stock of all kinds is still very plentiful. No demand. The usual summer conditions are prevailing.

## NOTES.

July 2 will be holiday as far as the wholesale business is concerned. All the leading wholesale establishments will be closed to permit the employees to attend the New York Florists' Club outing. The outing committee has made every effort to make this affair a "record breaker."

Miss Josephine Traendly, not quite sixteen, the charming daughter of Frank H. Traendly, graduated with the highest honors at the high school in Brooklyn last Thursday. Mr. Traendly's smile seems now to be a little broader than usual.

Already a great many have sent their names to the transportation committee announcing their intention of attending the convention at Chicago. The latest to add their names to the list are Wm. G. Badgley and Myer Othile.

President Richard Vincent, of the Society of American Florists, and Mrs. Vincent arrived from Europe on the "Columbia" Sunday morning. Harvey Papworth of New Orleans arrived on the "Mauretania" Friday.

Orchids are one of the most important departments of Traendly & Schenck's business and the quality of blooms seen here are superb. *Cattleya Gigas* are especially fine.

Harry Papworth announces that he has engaged the son of Fulton, the king's florist, to take an important position in his retail store in New Orleans.

Peter Reinberg, of Chicago, who is a delegate to the democratic convention at Baltimore, was a caller in Twenty-eighth street the early part of the week.

The Rowayton greenhouses are sending in Sunburst roses from the new crop. Though still short stemmed, they met with fair demand.

Charles Schenck and family have taken a cottage near Port Jervis, N. Y., where they will spend the summer.

Charles Jaeger, the well known Harlem florist, has sailed for France to remain until September.

Leonard Barron was one of the party that returned on the "Campania" a week ago.

Letters received from John Evans, who met with an accident in London,

A large stock of Bay Trees, Boxwoods, Rhododendrons, Azaleas, Roses, Evergreens, Climbing Vines, etc., on sale at our new William Street Show and Salesroom. Inspection invited.

**P. H. GOODSSELL** **W. E. MAYNARD**  
Manager Sales Department  
200 Broadway, NEW YORK CITY 157-159 William St. (Basement)

announce that he will sail for home July 15.

James Coyle is now located in his new quarters, 101 West Twenty-eighth street. Y.

## European Horticulture.

## FROM THE BRITISH PRESS.

*Calceolaria Veitchii*.—This *calceolaria* was well shown at the International, when it was given an award of merit. It is of hybrid origin, having been raised by Messrs. Robert Veitch & Son, of Exeter, between *Calceolaria alba*, a comparatively weak-growing species with white flowers, and an albino form of the garden variety Golden Glory, which was also raised at Exeter, and is now extensively grown. Strange to say, the progeny much exceeds in vigor either of its parents, forming as it does a bold, bushy specimen from three feet to five feet in height, and bearing a great profusion of milk-white flowers, which have, when first expanded, somewhat of a yellowish tinge. The foliage bears a considerable resemblance to that of an enlarged form of *C. alba*, the leaves lanceolate with much-serrated edges. It promises to be of considerable value for the decoration of the greenhouse or conservatory, while in Devon's favored clime it stood out unharmed during the last winter. This *calceolaria* can be readily raised from seeds, and plants obtained in this way grow with unusual vigor.

side branches, when cut and placed in tall vases as soon as the fruits are fairly well colored, look charming. I used to cut back the side shoots freely every year in this way. Another lovely rose, Mme. Berard, yields many flowers in the autumn, and at the same time the young foliage is exquisite. If placed in water in a dark cellar for one day and night, it will remain fresh much longer than if cut and placed in vases forthwith. The foliage of Dorothy Perkins in some seasons is very beautiful, and may be cut at times with clusters of late flowers.

Manures to Deepen Color in Roses.—All who grow roses in pots and under glass know how difficult it is at times to obtain blooms of the correct color. Some varieties, especially the yellows, are apt to come very pale in the early stages. Pelargonium growers find sheep-manure a very excellent stimulant, and rose growers are also proving this manure to be very good indeed applied as a top-dressing or in liquid form. Most of the older growers relied upon soot in liquid form as an aid to color, and this, in combination with cow-manure, is still one of the best compounds for stimulating roses; but I would strongly advise a trial of sheep-manure if it is available. It can be applied in a far more liberal quantity than guanos and such like, and is much safer to use.

*Deutzia Veitchii*.—This *deutzia*, which was given an award of merit at



COMMODORE WESTCOTT AND SOME OF HIS GUESTS AT WARETOWN, N. J.

A second variety, the Bronze Age, was also shown, and very pretty it is. Of a pleasing, loose, open-habit of growth, it bears in profusion good-sized flowers of a bronzy-crimson hue, though in color there is a considerable amount of variation. In some the lid of the pouch is of a deep-yellow tint.

Roses with Beautiful Foliage.—I think Fellenberg should take its place among the roses valuable on account of their decorative foliage. It has many other virtues. I have a bed of it this year making promising and beautifully colored growth. Both haps, foliage and wood of some of our cultivated sweet briars are very beautiful in combination, and I have used them largely on pillars in the garden. The

International Exhibition, is a very distinct Chinese species, and one that promises to be a good flowering shrub for the open ground. As an example scarcely in full bloom was shown, it would appear to be somewhat later in flowering than some of the *deutzias*. It forms a freely-branched bush, about four feet high. The flowers, which are freely borne in clusters, are of a deep pink when fully expanded, but rich rose in the bud state. Individually, they are fully an inch across, with a conspicuous central tuft of yellow stamens. As the various *deutzias* have of late years been much employed by the hybridist in the production of new varieties, this distinct novelty should prove a decided acquisition.

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**Wholesale Flower Markets**

|                                     | NEW YORK, July 3. | Per 100 |
|-------------------------------------|-------------------|---------|
| Roses, Beauty, special.....         | 10 00@            | 15 00   |
| " " extra and fancy...              | 3 00@             | 10 00   |
| " " No. 1 and No. 2.....            | 1 00@             | 3 00    |
| " " Bride, Bridesmaid, special.     | 1 00@             | 3 00    |
| " " extra and fancy.....            | 2 00@             | 3 00    |
| " " No. 1 and No. 2.....            | 50@               | 1 00    |
| " " Killarney, My Maryland ..       | 2 00@             | 4 00    |
| " " extra and fancy.....            | 1 00@             | 2 00    |
| " " No. 1 and No. 2.....            | 50@               | 1 00    |
| " " Richmond.....                   | 1 00@             | 6 00    |
| Carnations.....                     | 15@               | 2 00    |
| Cattleyas.....                      | 10 00@            | 25 00   |
| Gardenias.....                      | 2 00@             | 15 00   |
| Lilies, Longiflorum and Harrislii.. | 1 00@             | 3 00    |
| Lily of the Valley.....             | 1 00@             | 3 00    |
| Sweet Peas.. per doz. bunches, 25@  | 75                |         |
| Adiantum Croweanum.....             | 50@               | 1 00    |

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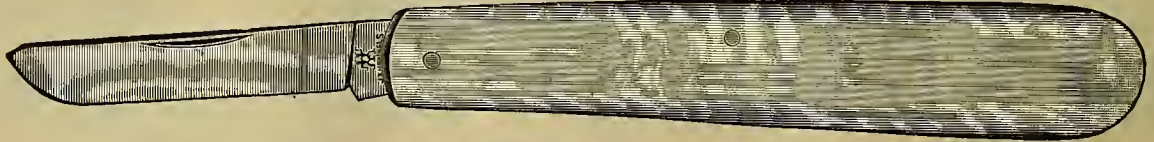
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Finest quality for mixing with peat or for top dressing.

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SYRACUSE, N. Y.—The Syracuse Rose Society opened its third annual show June 25. It was considered one of the best exhibitions of the kind ever held in Central New York. More than one thousand orders for rose bushes were booked.

## Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 50c; 500 seeds, \$1.50; 1000 seeds, \$3 00.

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New Crop Galax, Bronze or Green.....\$1.25 per 1000  
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### Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

- FROM MONTREAL, Lake Erie, Allan, July 7.
- Lusitania, Cunard, July 9.
- Potsdam, Holl.-Amer., 10 a. m.
- Kronprinzessin Cecilie, No. Ger. Lloyd, 10 a. m., Pier foot of 2d street, Hoboken, July 11.
- France, 10 a. m., French.
- Cedric, White Star, 12 noon.
- Amerika, Ham.-Amer., 2 p. m.
- Madonna, Fabre, 3 p. m., July 12.
- FROM MONTREAL, Corsican, Allan.
- FROM MONTREAL, Empress of Ireland, Can. Pac., July 13.
- FROM MONTREAL, Scandinavian, Allan.
- California, Anchor, 9 a. m., Pier 64 North River.
- Italla, Anchor.
- Chicago, French, Pier 57, North River.
- FROM PHILADELPHIA, Haverford, American, 10 a. m., Pier 54, Wash. Ave.
- Laplant, Red Star, 10 a. m., Pier 61, North River.
- Majestic, White Star, 12 noon.
- FROM BOSTON, Canopic, White Star, 9 a. m.
- FROM MONTREAL, Teutonic White Star, at daylight.
- FROM PHILADELPHIA, Prinz Oskar, Ham.-Amer., 11 a. m.
- George Washington, No. Ger. Lloyd, 10 a. m., Bremen Piers.
- Kursk, Russian-Amer., 2 p. m.
- FROM MONTREAL, Letalia, Donaldson, at daylight, July 14.
- FROM MONTREAL, Stellan, Allan, July 16.
- Campania, Cunard.
- FROM BOSTON, Cymric, White Star, 11 a. m.
- New Amsterdam, Hol.-Amer., 10 a. m.
- Kronprinz Wilhelm, No. Ger. Lloyd, 10 a. m., July 17.
- Oceanla, Austro-Amer., 1 p. m., July 18.
- FROM MONTREAL, Lake Manitoba, Can. Pac.
- Carpathia, Cunard.
- La Savoie, French, 10 a. m.
- Celtic, White Star, 12 noon.
- President Lincoln, Ham.-Amer., 9 a. m.
- Heilig Olav, Scan.-Amer., 2p m.

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- Anderson Floral Co., Anderson, S. C.
- Anderson, S. A., 440 Main, Buffalo, N. Y.
- Atlanta Floral Co., Atlanta, Ga.
- Baer, Julius, 138 E. 4th St., Cincinnati.
- Bertermann Bros. Co., Indianapolis, Ind.
- Boland, J. B., San Francisco.
- Boldt-Lundy Flower Shop, Denver, Colo.
- Bowe, M. A., New York.
- Breitmeyer's Sons, John, Detroit, Mich.
- Buckhee, H. W., Rockford, Ill.
- Clark's Sons, D., New York.
- Cleveland Cut Flower Co., Cleveland, O.
- Cooke, Geo. H., Conn. Ave. and L. Washington.
- Crump, Frank, Colorado Springs, Colo.
- Daniels & Fisher, Denver, Colo.
- Dard's, 44th and Madison Ave., New York.
- Duerr, Chms. A., Newark, O.
- Dunlop's, 96 Yonge St., Toronto, Can.
- Eyres, 11 N. Pearl St., Albany, N. Y.
- Freeman, Mrs. J. D., Toledo, O.
- Galvin, Thos. F., Boston.
- Gasser, J. M., Co., Cleveland, O.
- Geny Bros., Nashville, Tenn.
- Grand Rapida Floral Co., Grand Rapida, Mich.
- Gude Bros., Washington.
- Habermann, Charles, New York.
- Hatcher, Florist, Amsterdam, N. Y.
- Hatcher, Florist, Schenectady, N. Y.
- Hehl & Son, J. G., Terre Haute, Ind.
- Hess & Swohoda, Omaha, Neb.
- Hoffman, 59 Mass. Ave., Boston.
- Holm & Olson, St. Paul, Minn.
- Keller Sona, J. B., Rochester, N. Y.
- Kellogg F. & P. Co., Geo. M., Kansas City.
- Klft, Robert, 1725 Chestnut, Philadelphia.
- La Crosse Floral Co., La Crosse, Wis.
- Lange, A., 25 E. Madison St., Chicago.
- Mengel, 17 E. Monroe St., Chicago.
- Masur, S., Brooklyn, N. Y.
- Matthewa, 10 3rd St., Dayton, O.
- May & Co., L. L., St. Paul, Minn.
- McConnell, Alex, New York.
- McKenna, Montreal, Can.
- Murray, Samuel, Kansas City, Mo.
- Myer, Florist, New York.
- Palmer, W. J., & Son, Buffalo.
- Park Floral Co., The, Denver, Colo.
- Penn, the Florist, 43 Bromfield St., Boston.
- Podestn & Baldoechl, San Francisco.
- Pollworth Co., C. C., Milwaukee.
- Rock Flower Co., Wm. L., Kansas City.
- Saakea, O. C., Los Angeles, Calif.
- Saltford Flower Shop, Poughkeepsie, N. Y.
- Schiller The Florist, 2221 W. Madison St., Chicago.
- Schling, Max, 22 W. 59th St., New York.
- Schultz, Jacob, Louisville, Ky.
- Shaffer, Geo. O., Washington.
- Smith Co., A. W., Pittsburgh, Pa.
- Smith, Henry, Grand Rapids, Mich.
- Texas Seed and Floral Co., Dallas, Tex.
- Valentine, Frank, 158 E. 110th St., New York.
- Walker & Co., Louisville, Ky.
- Weber, F. H., St. Louis, Mo.
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Flowers in any arrangement for all occasions.  
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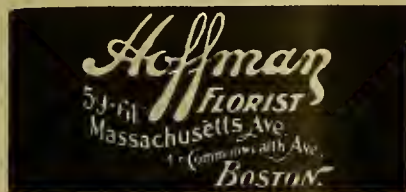
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All orders receive prompt attention. Choice  
Beauties, Orchids and Valley always on hand

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New England Points**

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- Anderson, S. C.—The Anderson Floral Co.
- Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
- Boston—Thos. F. Galvin, Inc., 124 Tremont St.
- Boston—Hoffman, 59-61 Mass. Ave.
- Boston—Penn, the Florist, 43 Bromfield St.
- Brooklyn, N. Y.—S. Masur.
- Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
- Buffalo, N. Y.—S. A. Anderson, 440 Main.
- Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
- Chicago—Alpha Floral Co.
- Chicago—Mangel, 17 E. Monroe St.
- Chicago—A. Lange, 25 E. Madison St.
- Chicago—Schiller The Florist, 2221 W. Madison.
- Chicago—Geo. Witthold Co., 737 Buckingham Pl.
- Chicago—Witthold's, 56 E. Randolph St.
- Cleveland, O.—The Cleveland Cut Flower Co.
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- Colorado Springs, Colo.—Frank E. Crump.
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- Dayton, O.—Matthews, 16 W. 3rd St.
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- Detroit, Mich.—John Bretmeyer's Sons.
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Will fill your orders for designs and cut flowers in  
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Flowers or Design Work.

Delivered in Albany and Vicinity on  
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Canada's best known and most reliable florist

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We deliver anywhere in Canada and guarantee  
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Orders will be carefully  
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FLORISTS TO HIS MAJESTY THE KING.

We shall be glad to carry out commissions from our American confreres to deliver Cut Flowers, Floral Baskets, Floral Designs, Baskets of Choice Fruit, Etc., to American visitors in any part of Great Britain.

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The Arcade Florist,**

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All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

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Poughkeepsie, N. Y.

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# Joseph Heacock Company's Palms & Ferns

Home-Grown, Well Established, Strong and Healthy

| Kentia Belmoreana |               |          |         |
|-------------------|---------------|----------|---------|
| Pot               | Leaves        | In. high | Each    |
| 2½-in.            | 4             | 8 to 10  | \$ 1 50 |
| 3-in.             | 5             | 12       | 2 00    |
| 4-in.             | 5             | 15       | \$0 35  |
| 5-in.             | 6 to 7        | 18       | 50      |
| 6-in.             | 6 to 7        | 24       | 1 00    |
| Cedar tub         |               |          |         |
| Leaves            | In. high      | Each     | Doz.    |
| 7-in.             | 6 to 7        | 34 to 36 | 2 50    |
| 9-in.             | 6 to 7        | 40 to 45 | 4 00    |
| 9-in.             | 6 to 7        | 42 to 48 | 5 00    |
| 9 in.             | 6 to 7        | 48 to 54 | 6 00    |
| 9-in.             | 6 to 7        | 5 ft.    | 7 50    |
| Cocos Weddelliana |               |          |         |
| Pot               | In. high      | Per 100  |         |
| 2½-in.            | 8 to 10       | \$10 00  |         |
| Areca Lutescens   |               |          |         |
| Cedar tub         | Plants in tub | In. high | Each    |
| 9-in.             | Several       | 5 ft.    | \$7.50  |

| Kentia Forsterlana—Made up |                      |              |         |
|----------------------------|----------------------|--------------|---------|
| Cedar tub                  | Plants               | In. high     | Each    |
| 7-in.                      | 4                    | 36           | \$ 2 50 |
| 7-in.                      | 4                    | 36 to 40     | 3 00    |
| 9-in.                      | 4                    | 40 to 42     | 4 00    |
| 9-in.                      | 4                    | 42 to 48     | 5 00    |
| 9-in.                      | 4                    | 48 to 54     | 6 00    |
| 12-in.                     | 4                    | 5½ to 6½ ft. | 15 00   |
| Phoenix Roebelenii         |                      |              |         |
| Pot                        |                      |              | Each    |
| 5-in.                      | nicely characterized |              | \$1 00  |
| 6-in.                      | 18 to 20-in. spread  |              | 1 50    |
| Cibotium Schiedel          |                      |              |         |
| Cedar tub                  | Spread               |              | Each    |
| 9-in.                      | 4 feet               |              | \$3 00  |
| 9-in.                      | 5 feet               |              | 5 00    |
| 9-in.                      | 6 feet               |              | 6 00    |

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We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your own convenience, both going and coming. When you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

**JOSEPH HEACOCK CO.,**

**Wyncote, Pa.**

Railway Station,  
Jenkintown.

## Geraniums

Rooted cuttings of S. A. Nutt, and Ricard at \$10.00 per 1000; Poitevine at \$12.50 per 1000. August delivery; prices change Oct 1st.

### Plumosus

The kind that my customers have been buying for the past 15 years; it was always right and is better than ever now. \$25.00 per 1000, \$2.50 per 100.

### Smilax

Well hardened stock, not quite as large as last season, but good little plants ready for business. \$12.50 per 1000; \$1.50 per 100.

### German Iris

A fine lot of mixed roots at \$1.00 per 100.

**ALBERT M. HERR, Lancaster, Pa.**

## POINSETTIAS

July Delivery.

We will have a fine lot ready early in July. Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½ in. \$5 per 100; \$45 per 1000.

**A. HENDERSON & CO.**

352 N. Michigan Ave., CHICAGO.

**Budding Knife Free.**

See Page 1424.

## The Two Best Roses of The Year

### Killarney Queen and Double White Killarney

Grafted plants for immediate delivery, \$30 per 100; 250 for \$70; \$250 per 1000. Own Root, \$25 per 100; \$200 per 1000.

**RICHMOND, Grafted,** \$15 per 100; \$120 per 1000; **Own Root,** \$7.50 per 100; \$60 per 1000.

**MRS. TAFT, Rivoire.)** Own root, \$7.50 per 100; \$60 per 1000.

**RADIANCE,** Own root, \$7.50 per 100; \$60 per 1000.

**A. N. PIERSON, Inc., Cromwell, Conn.**

## DesPlainesFloral Co Carnations.

Des Plaines, Illinois

Mention the American Florist when writing

Double Fringed Petunias, Heliotrope, Queen of Violets, Geraniums, Nutt and Hill, 2 in. pots, per 100, \$2.00; Geranium Mme. Buchner, 2 in. pots, per 100, \$1.50. Daisy, Mrs. F. Sander, 2 in. pots, per 100, \$3.50. Chrysanthemums, 8 var., 2 in. pots, per 100, \$2.00. Bellis Daisy, white and pink, good plants, 50c. Pansy, Early Spring seedlings, now ready, of our choice strain, \$2.50 per 1000; 5000 for \$10.00. All carefully grown—prompt shipment.

Elmer Rawlings, Wholesale Grower, Olean, N. Y.

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## CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE - INDIANA

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## ASTERS

Sample's Branching, best strain in white, pink and purple, fine plants from field, \$2.50 per 1000; 5,000 for \$10.00.

Smilax, fine bushy plants. 2½-in., \$1.50 per 100, \$14.00 per 1000. Primulas, Obconica and Chinese strong 2½-in., \$2.50 per 100.

**J. C. SCHMIDT, Bristol, Pa.**

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## The Seed Trade.

### American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;  
Harry L. Holmes, Harrisburg, Pa., First  
Vice-President; Arthur B. Clark, Milford,  
Conn., Second Vice-President; C. E. Kendel,  
Cleveland, O., Secretary and Treasurer;  
J. M. Ford, Ravenna, O., Assistant Secretary.  
Next annual convention, June, 1913.

THE Los Angeles Times refers to W. Atlee Burpee as "an American seed magnate."

CHICAGO.—Prices on the Board of Trade, July 3, for grass seed were noted as follows: Timothy, \$7 to \$10 per 100 pounds.

THERE is a full page picture showing the American Seed Trade Association at the South Shore Country Club, Chicago, June 26, on page 1407 of this issue.

TRADE visitors on the Pacific coast now or en route include President Leonard H. Vaughan, of the American Seed Trade Association, Chicago; Geo. C. Thompson, of Northrup, King & Co., Minneapolis, Minn.; Wilbur Brotherton and John L. Hunt, of the Jerome B. Rice Seed Co., Cambridge, N. Y.

R. GODINEAU, of R. & M. Godineau, well known seed growers, Angers, France, and his amiable wife passed through Chicago last week returning from the Pacific coast. Mr. and Mrs. Godineau report a pleasant trip, which included the Yosemite and Yellowstone park, as well as seed trade features.

MISS M. W. WILLIAMS, well known to the trade through her connection with the Braslan Seed Growers Co., San Jose, Calif., has severed relations with that firm. While uninformed as to her plans we have no doubt Miss Williams will continue to utilize her wide technical knowledge of the seed business as well as her extensive personal acquaintance with the trade.

### French Bulbs.

The French bulb situation has changed considerably in the last ten days. A private letter from Ollioules June 14 has the following: "Since my last letter, prices on Roman hyacinths have raised here from five to eight francs per thousand. It is reported that many retail orders, mainly from England and Germany, will not be filled. As soon as shipments to America will have been made there will be no hyacinths left. Of Narcissus Grandiflora it seems there will be enough to satisfy the demand and prices paid by exporters to growers remain about the same, around 18 francs. Freesia refracta is much in demand and it is probable that the stock will be short, especially the mammoth size. Lilium Candidum is bringing better prices than last season, 20-ctm. around 50 francs, larger sizes from 70 to 85 francs. In fact, the scarcity of bulbs (on Roman hyacinths and freesias) seems to be mainly on the larger sizes and it is probable that late orders for these items will find them high in price."

## BRASLAN SEED GROWERS COMPANY, INC.

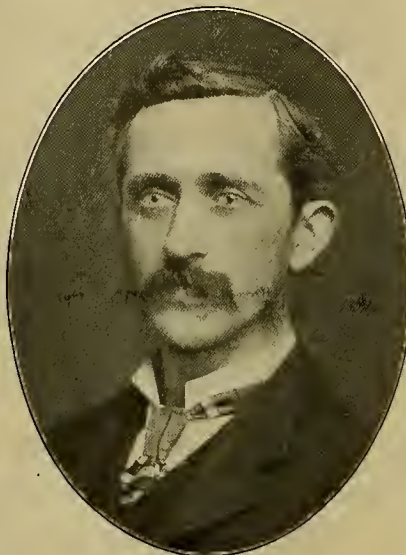
Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

## AMERICAN SEED TRADE ASSOCIATION

Annual Convention, Chicago, June 25-27.

### Thursday's Proceedings.

As reported in our issue of June 29, page 1372, the thirtieth annual convention of the American Seed Trade Association, held June 25-27 at the Hotel Sherman, Chicago, was a record-breaking one and the proceedings of Thursday were fully up to the standard set by the other two days. Advanced stands were taken on laws before congress immediately bearing on the seed trade and on other questions. The



Chas. N. Page.

President-Elect American Seed Trade Association.

social events with the banquet and after-dinner speeches were prominent features. Immediately on the opening of the morning session the following resolution was adopted:

Resolved, That this Association endorses the Bill H. R. 22340, entitled: "An Act to Regulate Foreign Commerce by Prohibiting the Admission into the United States of Certain Adulterated Seeds and Seeds Unfit for Seeding Purposes," now pending in the senate of the United States, in the form as passed by the house of representatives of April 15, 1912;

Resolved further, That this Association is opposed to Section Four (4), the proposed Senate Amendment to said Bill, to impose heavy fines and imprisonment, for, among others, the fol-

lowing reasons: First, The Bill provides ample authority (Section one) for the Secretaries of the Treasury and of Agriculture effectively to prevent the importation of objectionable seeds. Second, said penalties are consequently wholly unnecessary. They are liable to impose excessive punishment on importers who are innocent of any intentional violation of the statute because variations in analyses are quite possible though using the greatest care, and because the importer cannot determine that the bulk corresponds with the purchasing sample, and thereby complies with the law, until the importation has been actually accomplished.

And resolved further, That the secretary of this Association transmit a copy of these resolutions to the president of the senate.

The Bourne Parcels Post Bill, Senate 6850, which has been quite fully commented upon in some of our previous issues, came up for its share of attention on the part of the convention and was thoroughly discussed by various members. At the close of the discussion the following resolution recommended for passage by the Committee on Postal Laws was unanimously adopted:

Resolved, That we, the members of the American Seed Trade Association in convention assembled, representing practically all of the seedsmen of the United States, desire to renew our appeal to Congress for a genuine system of Parcels Post founded on the plans and principles of the Postal Progress League; further

Resolved, That we oppose any temporary substitute and shall deplore the enactment of such portions of the Bourne Bill (Senate 6850) as cater to the interests of any class or attempt to substitute temporary expedients for real reform. We object to any provision which sets aside that fundamental and world-wide principle of the postal service which provides for uniformity of rate without regard to distance; also

Resolved, That we object to the increase of any postage rates for any reason unless it can be demonstrated that the traffic cannot be carried without loss. We appeal to the good judgment of congress to listen to this demand of the people which cannot much longer be denied.

An interesting paper was read by Curtis Nye Smith, Boston, Mass., counsel of the Association, on the subject

**VICK QUALITY  
SEEDS  
PLANTS  
BULBS**

ASK FOR WHOLESALE CATALOGUE.

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

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High Grade  
SEED

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Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.

Correspondence  
Solicited.



C. E. Kendel.

Sec'y-Treas. American Seed Trade Association.



J. H. Ford.

Assistant Sec'y American Seed Trade Association.



F. L. Holmes.

First Vice-Pres. American Seed Trade Association.

of "Recent Decisions on the Seed Trade Disclaimer," in which he contradistinguished English and American decisions on this subject. The paper, though necessarily of a technical character, was presented in an interesting and intelligible manner and those present found it exceedingly interesting. Crop reports by letter and wire were received from divers sections of the country and were read by Secretary Kendel. This feature of the annual meeting is growing, and the reports are increasing yearly in numbers and in interest. The importance of this feature of the Association's work is fully realized by the membership, but because of the fact that at the present time other agencies are doing considerable work along this line the special committee appointed to consider the advisability of establishing a crop-reporting bureau reported adversely to taking any action in that direction at this time.

Arthur B. Clark, of Milford, Conn., read an interesting paper entitled: "Opportunities for a Young Man in the Seed Business," for which, on motion of Secretary Kendel, he was tendered a unanimous vote of thanks. L. B. McCausland, of the special committee on overhead costs, appointed on the day previous, presented the report of that committee, which was accepted and a vote of thanks returned. It was further voted that a similar committee be appointed at the next annual convention on the same subject. This is in line with the general movement for greater efficiency in the conduct of business, which is now pervading the country generally in all lines of trade. Careful attention to costs stimulates more economical production through which not only seedsmen but the public generally will reap a benefit. Too little attention has been given this subject in the past. The committee on the recommendations, in the president's address reported through its chairman, Mr. Albert McCullough, endorsing the various recommendations by President Vaughan, and the report was accepted and the recommendations concurred in by unanimous vote. Albert McCullough, delegate to the National Board of Trade presented his report, which was adopted as follows:

### The McCullough Report.

CHICAGO, ILL., June 25, 1912.

The American Seed Trade Association. Gentlemen:

Your delegates to the National Board of Trade in submitting their report desire to say that they attended the forty-second annual convention of the National Board, which was held at the New Willard Hotel, Washington, January 16, 17 and 18, 1912. There was a goodly number of delegates representing the constituent bodies of the Board at the opening of the meeting, which was presided over by President Frank D. LaLanne. All of the work of the convention was referred to special committees for investigation and consolidation and then brought up in the regular manner for action. Your delegates served more particularly on the committees on postal affairs and on the river and harbor improvement and sewage disposal.

These subjects were up before congress at the time and all that could be done in using the influence of the National Board to take such action as would be beneficial to urge upon congress and the federal authorities with the view of having the Senate Bill 4308, introduced by Senator Burton, and House Bill 17736, introduced by Representative Weeks, sixty-sixth congress, sixtieth session, which provide for a reduction of letter postage to one cent per ounce or fraction thereof, on and after July 1, 1912. To provide sufficient funds commensurate with the needs of our rivers, harbors and inland waters, which should be not less than an annual appropriation of fifty million dollars for the proper improvement and maintenance in accordance with the plans now being prepared by the Board of Engineers.

At the meeting held in January, 1911, there was a committee of eleven appointed by the chair, with the view of reorganizing the National Board, and inasmuch as President Taft had issued a call through the honorable Secretary of Commerce and Labor, for a conference of the representatives of commerce and industrial organizations of the country to be held in Washington, April 15, 1912, it was thought best for the Committee to continue, and, if

possible, to arrange so as to take part in this meeting. Unfortunately your representatives were unable to attend this meeting in April, although we had considerable to do with helping arrange for the meeting. The status of the new organization has not yet been definitely fixed and cannot be accurately determined for some time. Therefore, the future of the National Board of Trade is being held in abeyance until circumstances may clearly determine the wisdom of either continuing its useful work as heretofore or merging it into the new organization. Now should the proposed organization fulfill the expectations of some of its earnest champions and become a permanent medium through which congress and officers of the national government may keep in close touch with the prevailing interests and desires of the commercial bodies of the country, we feel certain that the National Board of Trade will be only too glad to merge with that body. But until such time we recommend the membership of our organization be retained in the National Board of Trade. Respectfully submitted,

ALBERT M. McCULLOUGH.

On motion of Mr. Page, of New York, the report was received and placed on record. President Vaughan extended a cordial invitation to members, ladies and guests to visit Vaughan's trial grounds, nurseries and greenhouses at Western Springs, Ill., after the close of the Thursday morning session, an invitation which was very generally accepted, although owing to the lateness of the adjournment of the closing session it was impossible to make as early a start for the grounds as was desired.

A vote of thanks was tendered to the committee on seed trade disclaimer appointed last year for the work done by them, and the committee was discharged. The question of the preparation of a telegraphic code was discussed and it was decided to postpone any action thereon indefinitely. By further motion the Association adopted the A B C code as its official code, it being understood that the latest edition of same would be used. The following telegram was read and greeted with applause:

Minneapolis, Minn., June 26, 1912.

C. E. Kendel, Secretary American Seed Trade Association, Sherman House, Chicago, Ill.:

Accept my sincere thanks for your kind remembrance of me. Had hoped to meet with you this year but illness prevents. Please extend to every member my very best wishes and the hope that the year nineteen thirteen will see the trade drawn more closely together in ties of common interest and progress than ever before.

JESSE E. NORRHURP.

The inquiry was received from the question box as to what is the best way to keep dahlia tubers from drying up, but no answer was forthcoming. The election of officers resulted as follows:

Chas. N. Page, president.

Harry L. Holmes, first vice-president.

Arthur B. Clark, second vice-president.

C. E. Kendel, Cleveland, O., secretary-treasurer.

J. M. Ford, Ravenna, O., assistant secretary.

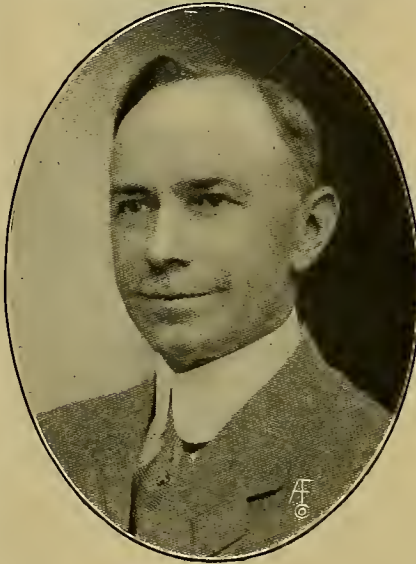
Albert McCullough, Arthur B. Clark and J. C. Robinson were chosen for the membership committee and Leonard Vaughan, Kirby White, Chas. D. Boyles, C. N. Keeney and W. D. Ross for the executive committee.

#### Presentallon.

One of the always pleasing incidents of the annual conventions is the presentation to the retiring president of a gift as a mark of the convention's esteem. The convention appreciated the fact that President Vaughan had proved an excellent administrative and presiding officer and much of the success of the convention was due to his untiring efforts. While the election of officers had been proceeding Kirby White, the humorist of the Association, had several times made mysterious references to a "corpse" in the hall, to which nobody, however, paid any attention, as it was impossible to connect the idea of an undertaker with Kirby White, and if any one noticed his remark at all with reference to a "corpse" he must have thought his hearing had deceived him. However, when the election was over Kirby announced in a loud voice that the "corpse" would now be brought in, and immediately the folding doors opened and the "supes" came in, bearing with sepulchral mien a long and narrow table on which was something or other under a white sheet. Mr. White now took charge as master of ceremonies and ordered Vice-President elect Holmes to stand guard over the alleged corpse, which he did in a mock-pathetic manner.

"Mr. ex-President," said Mr. White, "when you have recovered from the surprise which this unprecedented action aroused in your breast, we ask that you recall the line of that touching poem of Browning's in his usual intricate phraseology, 'Consider, oh cow, consider!' We ask that you consider many things. You may begin to consider, for example, what you are going to say in response to these few words. We ask that you consider next how much pain you may have caused all the way along the line from the time you were a boy until now to that dear old lady who honored us with her presence last evening—your mother. Consider how that poor deluded girl, your wife, has had to suffer all these years. Consider what this Association has had to stand during the last twelve months;

your arbitrary rulings that have driven us to desperation, your loquacity that has nearly sent us to the asylum and your desire for applause and prominence. We ask that you consider also, and consider carefully, that with all your faults we love you still; that despite every one of these defects they rather endear you to us than make you a stranger to our hearts. They are those that lean to virtue's side. And finally I ask you in behalf of this Association to consider that you have the affection and the esteem of every one of us. Stand up here" (to the "supes") "and remove that tablecloth." (The cloth was removed, exposing to view a very handsome cathedral chime clock, which at once got in touch with the occasion by pealing forth a melodious chime.) "This, in spite of all appearance



A. T. Ferrell.

The Saginaw (Mich.) Seed Cleaner Man.

to the contrary, is a clock. It does not in any way measure our regard for you, but as it marks off the hours may its silvery chime ring only serene days and peaceful accomplishment to you. In the name of the Association, God bless you." (Applause.)

"Mr. White, ladies and gentlemen," said Retiring President Vaughan in reply, "this is rather taking advantage of me. I may say that my wife has been asking for just such a clock for about six years." (A voice: "Why didn't you buy it?") "It makes too much noise in the early hours of the morning. All I can say is I deeply appreciate the kindly thought of the gift, which will certainly occupy a very prominent place in our family home. I thank you." (Applause.)

Secretary Kendel now read various invitations received for the next place of annual meeting, but the hour being late, no formal vote was taken and the matter was referred, on motion of Watson S. Woodruff, to the executive committee for decision at the regular semi-annual meeting. The officers-elect were now duly installed. Messrs. Woodruff and Stokes escorted President-elect Page to the platform, where he was received and greeted by retiring President Vaughan, who congratulated him upon being elected for the second time in his life to the presidency of that splendid organization,

the American Seed Trade Association. President-elect Page responded in a feeling manner, modestly deprecating his own ability to discharge the duties of the office as well as some others who might have been chosen. He called attention to the importance of the work of the coming year and promised to put forth his best efforts.

Past President Woodruff brought the proceedings to an appropriate finale as follows: "Mr. President, ladies and gentlemen, this has been a unique convention. From the rugged shores of New England to the Golden Gate, from Alaska to the Gulf of Mexico, from Great Britain, from France, from Germany, Denmark, and even from far, far away New Zealand we have had in that great banquet last night representatives. I challenge contradiction when I assert that that banquet was the greatest assemblage of seedsmen the world has ever known. It was not simply the American Seed Trade Association, it was a banquet of the seed trade of the entire world. I want to pay homage to the wisdom of our executive committee and to our ex-president in selecting this as our convention city. I know that you will agree with me when I say that we feel under tremendous obligations to the Chicago seedsmen, all of them; and I move you that a rising vote of thanks be extended by the visiting seedsmen for all that they have done for us during the past three days."

The motion was seconded at once from all parts of the hall, and carried by rising and unanimous vote. Thus closed one of the most successful and perhaps the best attended of all the conventions in the history of the Association, which was not marred by a single untoward incident, which not only reflected the greatest credit upon the Chicago seedsmen for its efficient management and for the lavish entertainment extended by them, but also proved convincingly that Chicago offers unusual advantages as a meeting point, since it is common ground on which may meet both western and eastern representatives. This is further evidenced by the fact that during the year preceding the convention the largest accession of new membership was received of any of the later years in the Association's history.

#### President-Elect Chas. N. Page.

The story of how a poor boy out of work was given a "temporary" job which has lasted thirty-five years, the boy having in the meantime become president of the firm, sounds thrilling enough in fiction, but occurs all too seldom, you will say, in actual fact. Yet that is just what has happened to and through Chas. N. Page, president of the Iowa Seed Co., of Des Moines, Ia., and now president-elect of the American Seed Trade Association. On April 9, 1877, Mr. Page, then but sixteen years old, applied for work at Fuller's Seed Store. As there happened to be more work than employees to do it for the time being, he was given a place, but was told that the position would last only four weeks. Ordinarily a youth of his age and condition in life would have accepted this as final and gone looking for another job when the four weeks were up. But young Page was not so easily driven from his purpose. He had determined that he would go on working at the Fuller store even after the time allotted him had expired, and that he was of strong enough will and





PARTY OF SEEDSMEN AT VAUGHAN'S NURSERIES, WESTERN SPRINGS, ILL., JUNE 27, 1912.

personality and withal a good and steady enough worker to attain his ends is evidenced by his subsequent career. He is still with the same firm—or rather what is an outgrowth of the same firm.

It did not take young Page long to catch on at his job, and so deeply did he impress his employer with his worth that when the time came for cutting down the salary list he was not one of those released. Seven years after he began work he purchased one-sixteenth interest in the firm, then known as C. W. Dorr & Co. Two years later he was made manager, the firm having in the meantime assumed the name of the Iowa Seed Co., which title it still bears. With the management of the company in his hands Mr. Page proceeded to stir things up, and from that time to this, the Iowa Seed Co. has enjoyed a steady and consistent growth. It is now one of the leading seed houses in the United States, and the part the sixteen-year-old boy who came there out of work has had to play in its success is well known to the seed trade. Mr. Page has during this time given his personal attention to all the departments of his firm, and has the reins of the whole business securely in his hands. He has become one of his city's influential men, but though the years have broadened his outlook, and tightened his grasp on business affairs, he is still pretty much the same earnest boy with the same determination to succeed that made it possible for him to turn a temporary job into a life work.

#### Big Cleaner Order.

S. G. Courteen, who is building a very fine new seed warehouse in Milwaukee, Wis., placed his order for his entire line of cleaning machinery with A. T. Ferrell & Co., Saginaw, Mich., during the seedsmen's convention at Chicago. This is the second largest order ever given for machinery of this kind, consisting of 32 of the latest improved large size Clipper cleaners and is made up of 20 No. 109, eight No. 29 and four No. 39 machines, making a complete outfit for seed and grain.

#### Seedsmen at Vaughan's Nurseries.

Quite a large number of the convention seedsmen visited Vaughan's Nurseries, Western Springs, Ill., June 27, including the following: J. N. Albright, Des Moines, Ia.; A. C. Diggs, Richmond, Va.; Wm. Eckholm, Chicago; Edgar Gregory, Marblehead, Mass.; W. H. Grenell, Pierrepoint Manor, N. Y.; W. P. Hall, Louisville, Ky.; H. G. Hastings, Atlanta, Ga.; J. Harold Hogg, Toronto, Ont., Can.; C. E. Kendel, Cleveland, O.; L. A. Kipping, Sedalia, Mo.; A. Kruhm, Columbus, O.; Wm. Kueker, Faribault, Minn.; A. H. Luck, Faribault, Minn.; J. Chas. McCullough, Cincinnati, O.; J. W. May, Alexandria, Va.; L. L. May, St. Paul, Minn.; J. S. Michael, Sioux City, Ia.; Chas. N. Page, Des Moines, Ia.; Frank H. Page, Des Moines, Ia.; W. T. Phillips, Toledo, O.; Frank S. Platt, New Haven, Conn.; I. L. Radwaner, New York; A. Ringier, Chicago; A. L. Rogers, Alpena, Mich.; Walter D. Ross, Worcester, Mass.; Herman Simmers, Toronto, Ont., Can.; Walter P. Stokes, Philadelphia, Pa.; G. Willett Warren, Alpena, Mich.; S. A. Wilson, Madison, Wis.

#### Wholesale Grass Seed Dealers' Association

Simultaneously with the convention of the American Seed Trade Association at the Hotel Sherman, Chicago, June 25-27, there was held a meeting of the Wholesale Grass Seed Dealers' Association, at which routine business was transacted and officers elected. The following new members were elected: W. A. Simpson & Co., Baltimore, Md.; S. M. Isbell & Co., Jackson, Mich., and L. Teweles & Co., Milwaukee, Wis. Officers elected were: A. E. Reynolds, Crawfordsville, Ind., president; Charles D. Boyles, Chicago, Ill., vice-president; William G. Scarlett, Baltimore, Md., secretary-treasurer. Directors for the term expiring 1915 will be: D. I. Bushnell, St. Louis, Mo.; J. Charles McCullough, Cincinnati, O.; C. C. Massie, Minneapolis, Minn. As many of the members of this Association are also members of the American Seed Trade Association, it was decided to hold the annual meeting in 1913, during the same week and at the same place as the thirty-first annual convention of the American Seed Trade Association, but in order to avoid con-

fusion between the two meetings it was decided by the board of directors of the Wholesale Grass Seed Dealers' Association that they would hold their 1913 meeting one day in advance of the American Seed Trade Association's meeting. Measures were taken looking toward the establishment of a Board of Arbitration. This matter was referred to the Board of Directors, and is expected to be productive of excellent results.

#### The Attendance.

The attendance included the following in addition to the other list printed in last week's issue, that of June 29, pages 1374 and 1375:

H. A. Abbott, Chicago.  
F. W. Barteldes, Lawrence, Kans.  
Fred H. Bateman, Grenloch, N. J.  
C. Boller, Rochester, N. Y.  
H. J. Boyd, Chicago.  
Wilbur Brotherton, Cambridge, N. Y.  
T. H. Brown, Grand Rapids, Mich.  
H. W. Buckbee, Rockford, Ill.  
John T. Buckbee, Rockford, Ill.  
F. T. Caughey, Detroit, Mich.  
C. R. Chesmore, St. Joseph, Mo.  
Theo. Cobb, Detroit, Mich.  
Adolph Corneli, St. Louis, Mo.  
C. D. Coventry, Chicago.  
O. L. Dailey, Chicago.  
Chas. Dickinson, Chicago.  
D. Hill, Dundee, Ill.  
W. E. Ewing, Nashville, Tenn.  
H. S. Faust, Chicago.  
Geo. E. Hayes, Louisville, Ky.  
T. H. Hill, Chicago.  
W. P. Hilton, Chicago.  
R. B. Howe, Chicago.  
Geo. Hutchinson, Chicago.  
A. E. Johnson, Chicago.  
W. P. Johnson, Boston, Mass.  
O. S. Jones, Sioux Falls, S. D.  
L. A. Kelly, Cleveland, O.  
Adolph Kruhm, Columbus, O.  
H. R. Kinsey, Omaha, Neb.  
H. B. McCullough, Cincinnati, O.  
W. R. McCutcheon, Chicago.  
Robt. E. Mann, Washington, D. C.  
W. D. Owen, Chicago.  
E. M. Parmelee, Sheboygan, Wis.  
Louis B. Reuter, New Orleans, La.  
A. E. Reynolds, Crawfordsville, Ind.  
A. W. Schaefer, Chicago.  
Thos. Scott, Cadiz, O.  
Carl Sonderegger, Beatrice, Neb.  
C. Spears, Paris, Ky.  
W. A. Wheeler, Mitchell, S. D.  
G. F. Zimmer, Syracuse, N. Y.

**California Seed Crops.**

Los Angeles, June 17.—We are threatened with entire failure on Grandiflora and Unwin sweet pea, both named varieties and mixed. We will have a very small percentage on Spencers, probably failure on many varieties. The sweet pea crop lost several months of necessary growing weather last winter, owing to lack of rain. We had irrigated a large portion of our acreage, and the fields were showing up quite well up to two weeks ago, when the aphid attacked them in large numbers. The plants being small, and the aphid spreading rapidly, it is practically killing the crop in passing over it. Other crops are very late, but showing improvement, and we hope to make favorable deliveries on them.

E.

San Jose, June 22.—The writer has just completed a crop inspection tour, covering the Santa Clara, San Felipe and San Juan valleys, and finds conditions as follows: In onion mildew has reduced the crop probably 10 per cent. The ground is very dry and should hot weather prevail during the next three weeks much damage will result. The hot wave June 1-4 reduced radish at least 35 per cent; sweet peas will be hopelessly short; lettuce, not over 75 per cent of normal crop; carrot only fair and not up to expectations; parsnip, salsify, etc., not up to the average. In fact, the writer believes the harvest on all crops will be short.

E.

Santa Clara, June 24.—It is a little early to make estimates on sweet pea deliveries for 1912 crop, but from all indications at the present time it looks as if the delivery will be about 30 per cent, on account of drought and cold weather in the winter and the hot weather the first part of this month. The intense heat caused about one-half of the blossoms to drop, so it will not be possible, we think, to get more than 30 per cent of a crop; at least, we do not expect to deliver more than 30 per cent from present indications, for which we are very sorry. We hope to do better on all other varieties of seeds.

K.

**Long Island Seed Crops.**

Mattituck, June 17.—The Long Island cabbage seed crop for 1912 seems likely to be somewhat disappointing. A considerable part of the stock was lost by severe freezing during last winter, and while that which was planted out started out well in the spring it is now failing quite badly and prospects seem to be diminishing. A present estimate would not put the crop at better than fifty per cent of an average yield.

L.

Hempstead, June 18.—The winter of 1911-12 was one of the worst ever experienced on Long Island. We lost quite a percentage of cabbage stock for 1912 seed crops, but the wet, cool weather of the spring has been very favorable for growth from the heads saved, and with reasonably good weather conditions, and freedom from insects, etc., for a few weeks more we may not be short more than 25 per cent. Our farmers made such good money last year on potatoes, and with cauliflowerers always a paying crop, they are loth to continue growing cabbage seed at the low prices bid by some of the large wholesale dealers who control the situation.

B.

**Iowa Seed Crops.**

MUSCATINE, June 15.—We have had a late Spring; everything being about two weeks late in getting started, but we hope to catch up soon. It has been dry and quite cool at night. Pepper plants are starting off nicely and we hope for a full crop. Asparagus is in bloom and setting seed. Rhubarb set about half a crop of seed. Water and

# Pansies

**SOW NOW**

We are making a specialty of Pansies. Our collection is the richest in variety of quality ever offered in this country. If you want the finest pansies that it is possible to obtain, make your selection from the following list of seeds:

**MIXTURES OF GIANT FLOWERED PANSIES**

**Holmes' Triumph of the Giant.** Robust compact growing plants; heavy foliage surmounted by enormous flowers of perfect form and great substance on strong tall stalks. Petals overlapped and undulating. Rich and rare colors. Trade packet, 50c; 1-16 oz., \$1.00; ½ oz., \$1.75; ¼ oz., \$3.00; ½ oz., \$5.00; oz., \$8.50.

**Bugnot's Giant Spotted.** Trade packet, 40c; 1-16 oz., 85c; ½ oz., \$1.50; ¼ oz., \$2.50; ½ oz., \$4.50; oz., \$7.50.

**Holmes' Mammoth Five-blotched.** Cassier type, but flowers double size, magnificent colors. Trade packets, 35c; 1-16 oz., 75c; ½ oz., \$1.25; ¼ oz., \$2.00; ½ oz., \$3.50; oz., \$6.00. Giant Cassier: ¼ oz., \$1.75; ½ oz., \$3.00; oz., \$5.00.

**Mme. Perret.** Great American Giant, "Red, White and Blue"; ¼ oz., \$1.50; ½ oz., \$2.50; oz., \$4.00.

**Odiar Five-spotted Beauties.** ¼ oz., \$1.25; ½ oz., \$2.00; oz., \$3.50.

**Goliath and Orchid (Cattleya) flowered,** same price as Odiar.

**Giant Trimardeau.** ¼ oz., \$1.00; ½ oz., \$1.50; oz., \$2.50.

**Trimardeau, Giant Spotted Parisian.** ¼ oz., \$1.50; ½ oz., \$2.50; oz., \$4.00.

**Cassier and Trimardeau Mixture.** ¼ oz., \$1.00; ½ oz., \$1.75; oz., \$3.00.

**Holmes' Giant Masterpiece.** Enormous flowers, 4 inches across, daintily ruffled edges, clearly distinct markings, and, in fact a flower of recent introduction that has won volumes of praise from lovers of this particular flower. It is a master indeed of its class. ¼ oz., \$1.75; ½ oz., \$3.00; oz., \$5.00.

## HOLMES SEED CO., Harrisburg, Pa.

musk melons are a good stand and growing fine. Earliana tomato plants are loaded with green fruit, while the later sorts are only in bloom, although planted as early in the fields. Our asparagus fields of one and two-year-old roots are growing well and are clean of weeds. Being dry this spring we have been able to keep the weeds down, but it has been showery the last two days, so it will mean hustling to keep the weeds down. Cut worms have worked on the sweet potato fields and caused a good deal of replanting to secure a stand.

H.

**Massachusetts Seed Crops.**

Marblehead, Mass., June 20.—It has been an extremely backward season for all crops, everything being about two weeks late. Roots that were pitted were damaged by frost and did not come out in the best of shape; those that started to grow are looking fairly well. We think it is safe to say there will be from fifty to sixty per cent of a crop of seed. There has been more or less damage by cut worms but nothing as compared to last season. G.

**New Jersey Seed Crops.**

Pedricktown, June 24.—Most seed crops with us are backward owing to the late, wet spring, but should, with favorable weather, improve from now on. Egg plant and tomato crops have been bothered more or less by the Colorado beetle and some vines by the striped bug, but not seriously. Full acreage planted to cover contracts and a larger acreage than usual of pepper, squash and pumpkin.

P.

**Michigan Seed Crops.**

Jackson, June 18.—The Michigan season is rather late and most crops are backward. Beans are now being planted, the soil being in good condition from recent rains. Sweet corn was planted late but the "stand" is fair except for Stowell's Evergreen, which is very uneven. Cucumber, melon and squash are coming nicely. The heavy rains washed out much of the radish seed in the northern part of the state, and the "stand" is very poor. Many fields of tomatoes were hurt by rains and cut worms are playing havoc.

I.

**Nebraska Seed Crops.**

Fremont, June 17.—It is a little early to tell much about the seed crop, and no general reports from growers have been received. Cut worms and bugs hurt the vine seed crops to some extent, and there has been some replanting. Corn crops have also suffered from the same cause. The vine seed crops, however, are now doing pretty well but corn is backward due to cold and dry weather. There are few weeds and with plenty of rain and warm weather the corn will probably catch up. Unless the weather is favorable, however, frosts will probably damage the crop.

E.

**Oklahoma Seed Crops.**

OKLAHOMA CITY, June 19.—Mr. Hickey, superintendent and manager of the Bartelde's stores, and also state correspondent of the Seedsmen's League, is much gratified over the continued increase of the firm's business in this state. The forage crop, Feteria, introduced this season from one of the state departments at Stillwater, is being experimented with in the Bartelde's trial grounds, but as yet Mr. Hickey is not prepared to say whether this much heralded drought resisting plant will live up to the expectations of the introducers or not. It is feared that the recent hot winds will affect the vine seed crop materially in some parts of the state.

S. S. B.

**English Seed Crops.**

Sleaford, June 18.—With regard to crop prospects, it is absolutely impossible at the present time to make any estimate. The whole of this month has been wet and sunless. As you know a great deal of the rutabaga has been plowed under, and we do not suppose, under any circumstances, the crop will be more than a 25 per cent one. Turnip will also be very light, especially American varieties. The rain improved things at first, but now with this dull, sunless time, it is impossible to say how the crops will go. Peas are very thick and need finer weather to insure good samples.

S.

# "The Kenilworth Strain" of Giant PANSY Seed

Must not be compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers, of 3½ to 4 inches, are of perfect form, and every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The Stock Plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany, and many others too numerous to mention. Light, Medium or Dark Mixtures.

1912 SEEDS NOW READY 2000 seeds, 50c; 5000 seeds, \$1.00;  
¼ ounce, \$1.25; ounce, \$5.00.

## Pansies in Separate Colors



|                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1000 Seeds<br/>Giant Adonis, beautiful light blue.....25c<br/>Giant Emperor William, ultramarine blue.25c<br/>Giant King of the Blacks, coal black...25c<br/>Giant Lord Beaconsfield, violet, shading to white.....25c<br/>Giant Golden Queen, yellow.....25c<br/>Giant Golden Yellow with dark center....25c<br/>Giant Masterpiece, beautifully ruffled, with a wide range of color.....25c</p> | <p>1000 Seeds<br/>Giant White, very fine.25c<br/>Giant White with large violet center.....25c<br/>Giant Red, a fine mixture of red shades...25c<br/>Giant Royal Purple, fine large flower....25c<br/>Giant Orchid-flowering, rare shades.....25c<br/>Giant Bronze and Copper Shades.....25c<br/>Giant Light Blue, delicate shades of blue..25c<br/>Giant Dark Blue, deep blue shades.....25c<br/>Giant Zebra Mixed Shades, striped.....25c</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

The above 16 colors mixed in equal proportions, 1000, 25c; any 5000, \$1.00; any 10000, \$2.00

THE RAINBOW BLEND is grown from the latest introductions of Giant Pansies of the most beautiful, gorgeous colors, blotched, striped, veined, margined, etc. With every \$1 worth of Pansy Seed, I will send, free, 1000 seeds of Rainbow, and with other amounts in like proportion.

### A FEW EXTRACTS FROM LETTERS OF PLEASED CUSTOMERS

We have received hundreds of unsolicited letters from our customers praising our Pansy Seed. The following are a few extracts taken from them.

From H. K. Carter, Niles, Ohio—I ordered seed from you last year and must say that I never saw such Pansies. They were entirely satisfactory in every way.

From M. L. Penwell, Washington, Kansas—I used your seed last year and they are the best seed and finest bloom I ever saw.

From F. C. Winkelmann, Hillsboro, Ill.—Have tried your seeds several times and find them to be satisfactory. Can recommend them highly.

From C. C. Warburton, Battle Creek, Mich.—Last year I purchased Pansy Seed of you and was very much pleased with the results. I have grown Pansies for years but never had better ones. Please send me some more of the same seed.

From C. V. Wolf, Downers Grove, Ill.—Best mixture of Pansies we had. My customers nearly went wild over them last year. Send seed as soon as possible.

From W. J. M. Edmonds, Auburn, N. Y.—They have given great satisfaction for the past two years that I have bought from you.

From Geo. F. Wright, Bellevue, Pa.—I have grown Pansies for a number of years and have never had any to equal yours. They have been the admiration of my friends and I only hope I will be as successful next year as I was last in having such a beautiful variety.

From J. & A. E. Biram, Provincetown, Mass.—We have had good plants from your seed and hope these will prove equally good.

From Frank W. Deeks, Akron, Ohio.—Last year I bought \$3.00 worth of your Giant Pansy Seed, the Kenilworth strain, and I was well pleased with the results; I got over 5,000 plants which were very fine.

From Walkes & Nicholson, Hammonton, N. J.—We got our Pansy Seed from you last year; they were fine.

From J. T. Temple, Davenport, Iowa—The seed procured from you the past two years has given satisfaction.

From Ed. van Reuth, Jr., Paltimore, Md.—My seed from you last year was very satisfactory.

From Silliman Brothers, Syracuse, N. Y.—The Kenilworth strain of Pansy Seed bought of you last year proved entirely satisfactory.

From Bard & Davis, Syracuse, N. Y.—Last year we procured of you two packets, each containing 6,000 seed, of your Pansies. We were well pleased with your strain.

From John A. Newman, Mooresville, Ind.—Must say I raised the finest Pansies last year from the seed you sent me I ever saw; none to equal; compliments were passed every day in regard to those beautiful Pansies.

From M. A. Brooks, Germantown, Phila.—I grew the Kenilworth strain last year; they were the finest I ever had.

From Wm. Garrad, Davenport, Iowa—The seed I got from you last year was the finest strain I ever grew.

From Mrs. J. H. Deal, Owosso, Mich.—We got your seed last year; they were fine; trust they will be as good this year.

From Edward Lott, Frenchtown, N. J.—I certainly had fine flowers from seed I bought of you last year and could have sold lots more if I had them.

From R. O. Stockbridge & Co., Westboro, Mass.—We were well pleased with the plants grown from your seed last year.

From F. W. Wildmann, Fort Morgan, Colo.—The Pansy Seed received from you last winter gave me good returns, as they were the finest I ever had.

From Chas. S. S. Sturtevant, Topeka, Kansas—The plants grown from your seed last spring were all that could be wished for and I was pleased, not only with the size of the blossom, but also with the appearance of the plants. All who bought my plants were well pleased.

From Chas. E. Sanford, Forest Glen, Md.—I had Pansies from your seed this spring and they were the best I ever had and were greatly admired.

From Lucius S. Pife, Shelburne Falls, Mass.—The Pansy Seed bought of you last year was very very satisfactory.

From John Braje, Chicago, Ill.—Last year's seed was good; had fine Pansies.

From L. Palmer, Houston, Texas.—Your seed gave me good results last year so I have sent again this year, hoping to do well this season with them.

From E. A. Holton, Morristown, N. J.—The seed that I purchased of you last year turned out remarkably well in every way so wish to get more.

From Chas. Schuman, Delhi, Ohio—I want to say that the Pansies raised from seed I bought of you last year were the finest I ever had. Please send seed by return mail. From F. D. Keyes, Florence, Mass.—I had a packet of your seed last year and find them very fine.

From J. Jack, Ashtabula, O.—The seed I had from you last fall was very good.

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Tuberoses, Double, pearl, 4 in-6 in., \$3.00 per 1000.

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are the finest in existence and their flowers  
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**Pansy—Boddington's "Challenge"—All Giants**

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

½ trade pkt. 25c., trade pkt. 50 cts., ¼ oz. 75 cts., ¼ oz. \$1.50, ½ oz. \$2.75, oz. \$5.00.

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A superb strain of highly colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms and secured as much seed as possible—but only sufficient to offer same in packets which we do as follows:—

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**Triumph of the Giants.** Extremely large flower of beautiful colorings. Should be grown by every florist ..... \$0 50 \$2 75 \$5 00

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Challenge Pansy.

**NOVELTY PANSIES.**

- |                                                                                                         |          |
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| 48-50 in. | 46 in. | 20.00   | 38.00   |

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| 18 in. | 24 in. | 7 00    | 13.00   |
| 12 in. | 30 in. | 7 50    | 14.00   |

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|--------|------------------|--------|---------|
| 5 ft.  | 24 in.           | \$8.00 | \$15.00 |
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| 7 ft.  | 30 in.           | 18.00  | 35.00   |

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| 24 in. high, 20 in. diameter. | Each   | Pair    |
|-------------------------------|--------|---------|
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Prices do not include tubs.

|        | Each   | Doz.   | 100     |
|--------|--------|--------|---------|
| 12 in. | \$0.35 | \$3.60 | \$25.00 |
| 15 in. | .40    | 4.50   | 30.00   |

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| 4-inch, pot grown. | Each   | Doz.   | 100     |
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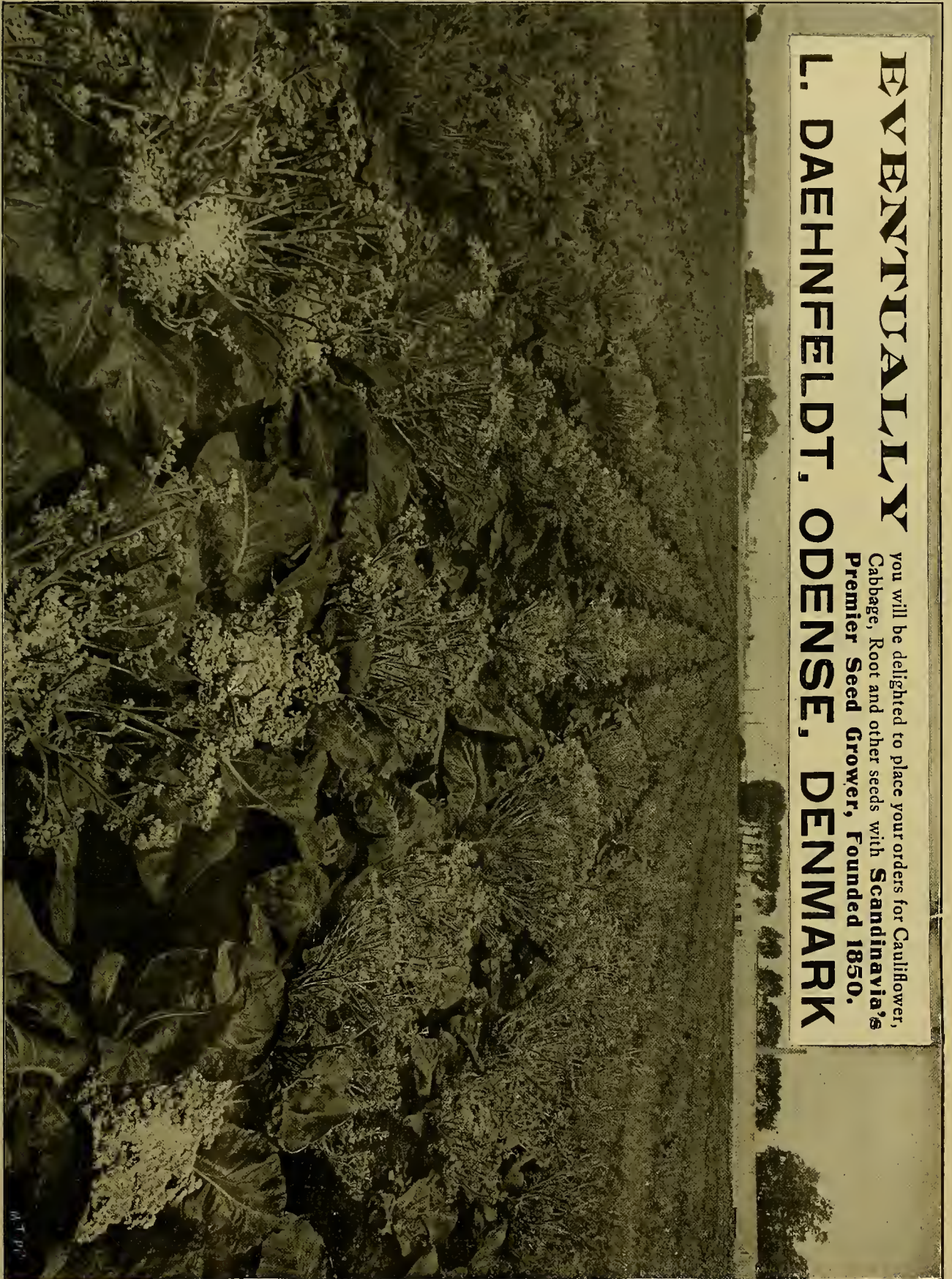
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Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

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"Gee" said the man with the shabby coat. "Eggs 60 cents a dozen. What do you think of that?"

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Florist—"Don't you mean, 'He Rests in Peace?'"

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**Elegantissima**, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.

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**Scottii**, 10-in. pots, extra fine specimens, \$2.50 each.

**Viridissima**, 10-in. pots, \$2.00 to \$3.00 each.

**Magnifica**, **Muscosa**, **Elegantissima Com-**

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The finest and most graceful of all palms. Hardest for summer decoration. Ironclad. Does splendidly out of doors. Fine specimens in new 12-in. tubs, \$5.00 each.

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Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

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Very finest quality obtainable. Packed in cases of 500 and 1000.

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7-9 in. bulbs; case lots of 300.

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**Small Ferns for Fern Pans**, assorted, 2¼-in. pots, \$3.50 per 100.

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THESE are conditions, and they occur not infrequently, under which all lily bulbs fail to make good flowering plants. There may be, probably are, more difficulties attending the growing of *Lilium Harrisii* bulbs than most forcing varieties, and yet those who do them well have found the early blooms very profitable. In many parts of the south where this bulb has been grown over a longer season and without the overforcing sometimes imposed on the plants, *Harrisii* has given most satisfactory returns. We are contracting, subject to crop conditions, a select strain of **Well Grown Bulbs of Lilium Harrisii**

Sizes: 5 to 7; 6 to 7; 7 to 9 and upwards

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All Lily Bulbs from all the World at Right Prices

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## Own Root and Grafted ROSE PLANTS

1,200 Brides, 2¼ in. pots.

400 Kaiserin, 2¼-in. pots.

1,700 White Killarney, 2¼-in. pots.

The above **OWN ROOT** stock we offer for immediate delivery at \$5.00 per 100.

1,500 **GRAFTED RICHMOND**, 4-in. pots.....\$15.00 per 100

RUSH YOUR ORDERS.

**J. L. DILLON,**

**Bloomsburg, Pa.**

The Early Advertisement Gets There





Type of Vaughan's  
Giant Pansies.

**VAUGHAN'S "GIANT MIXTURE."**

Embraces besides all the separate shades and colors five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau and the splendid Cas-ier strain. Trade pkt., 25c; 1/8 oz., 60c; oz., \$4.00; 1/4 lb., \$14.00.

**"International Mixture."**

The World's Best.

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; 1/8 oz., \$1.50; 1/2 oz., \$5.00; oz., \$10.00.

**"Cut Flower Mixture."**

Put up by ourselves and contains mostly light colored sorts. Our Chicago cut flower growers have realized big returns from flowers grown from this mixture. Pansies require less care and bring better returns than violets. Trade pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$2.00; oz., \$3.00.

**GIANT PANSIES—Named Sorts.**

|                                              | Trade Pkt. | 1/8 oz. | Oz.    |
|----------------------------------------------|------------|---------|--------|
| Masterpiece, new Giant curled                | \$.025     | \$0.60  | \$4.00 |
| Yellow, immense flowers with dark eye        | .10        | .20     | 1.00   |
| White, very large, with violet eye           | .10        | .20     | 1.00   |
| Beaconsfield, light lavender and deep purple | .10        | .20     | 1.00   |

|                                             | Trade Pkt. | 1/8 oz. | Oz.    |
|---------------------------------------------|------------|---------|--------|
| Golden Queen, clear golden yellow           | \$.10      | \$0.20  | \$1.30 |
| Mme. Perret, lovely shades of pink and rose | .10        | .25     | 1.50   |
| Aurora, pure white, without blotches        | .10        | .20     | 1.00   |
| Black, large true black                     | .10        | .20     | 1.00   |

**CALCEOLARIA.**

Vaughan's Extra Choice Mixture. Composed of the choicest selection of tigered, marbled, spotted and variegated varieties. Trade pkt. (1000 seeds), 50c; 3 trade pkts. for \$1.40.

**CINERARIA.**

Vaughan's Columbian Mixture. Made up by our selves of choicest English, French and German strains; unsurpassed in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt. (500 seeds), 50c; 3 trade pkts., \$1.40.

**PRIMULA.**

Vaughan's International Primula Mixture. Composed of most salable colors of single flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors for variety, the most important shades predominating. Pkt. of 350 seeds, 50c; per 1-16 oz., \$4.00.

Our List of "Seeds for Summer Sowing" Now Ready. Write for a Copy.

31-33 W. Randolph St., CHICAGO. **VAUGHAN'S SEED STORE,** 25 Barclay St., NEW YORK.

**CYCLAMEN.**

Our seed has been grown for us by four Cyclamen specialists in Europe. The seed is saved only from perfect plants, and there is no better Cyclamen seed in the market.

**English Giants.**

NINE NAMED SORTS.—Prices: 100 seeds, \$1.00; 1000 seeds, \$8.00 net.

**German Giants.**

FIVE NAMED KINDS.—Prices: 100 seeds, 65c; 1000 seeds, \$5.00.  
EXTRA CHOICE MIXED.—Per 100 seeds, 50c; 250 seeds, \$1.15; 1000 seeds, \$4.50; 5,000 seeds, \$20.00.

**Orchid Giants.**

FIVE NAMED SORTS.—Prices: 100 seeds, 85c; 1000 seeds, \$7.00.  
GIANT ORCHID-FLOWERED CYCLAMEN in choicest mixture. 100 seeds, 80c; 1000 seeds, \$6.50.

**Vaughan's Pansy Seed**

for Florists  
Has Held  
First  
Place  
in the  
Trade  
for over  
**20**  
Years

Clematis Paniculata, strong 2-year old plants, \$10.00 per 100.

Dracaena Indivisa, 3-in. pots, \$4.00 per 100.

Aithernantheras, red and yellow, 2-in. pots, \$2.00 per 100.

Stevias, tall dwarf, variegated from 2-in. pots, \$2.00 per 100.

Cosmos, early flowering varieties, 2-in. pots, \$2.00 per 100.

**C. EISELE,**

11th & Westmoreland Sts., Philadelphia, Pa.

**A FEW GOOD THINGS YOU WANT.**

- Geraniums, Nutt. Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
- Boston Ferns, 5-in., 25c each.
- Whitmani Ferns, 4-in., 25c.
- Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
- Vinca Var., 2-in., 2c.
- Asparagus Sprengeri, 2-in., \$2.50 per 100.
- Asparagus Plumosus, 2-in., \$3.00 per 100.
- Coleus, Aithernantheras, red and yellow, Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

**GEO. M. EMMANS,** Newton, N. J.  
Mention the American Florist when writing

**Boston Ferns...**

- \$3.00 per 100.....\$30.00 per 1000
- Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2 1/2-in., \$6.00 per 100; \$50.00 per 1000.
- Roosevelt, \$6.00 per 100; \$50.00 per 1000. 250 plants at 1000 rates.

**HENRY H. BARROWS & SON.** Whitman, Mass.  
Mention the American Florist when writing

**Am. Beauties**

Choice 2 1/2 inch, \$5 per 100; \$45 per 1000



**DAHLIAS**

The best New and Standard varieties. Send for Wholesale Price List.

**BASSETT & WELLER**  
HAMMONTON, N. J.

**ROSES**

A SPECIALTY.

The Dingee & Conard Co.,  
WEST GROVE, PA.

**Ferns for Dishes**

- per 100 per 1000
- 2 1/4-in.....\$3.50 \$30.00
- Asparagus Plumosus, 2 1/4-inch, \$3.50 per 100; \$30.00 per 1000. 3-in., \$6.00 per 100. 500 at 1000 rate. Cash with order.

**FRANK OECHSLIN,**

4911 Quincy St., CHICAGO

## Market Gardeners

Vegetable Growers' Association  
of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Roetenik, Cleveland, O., Treasurer.

### Prices of Indoor Fruits and Vegetables.

Chicago, July 1.—Mushrooms, 7½ cents to 10 cents per small case; 30 cents to 50 cents per pound; lettuce, 20 cents per tub; cucumbers, 25 cents to 35 cents per dozen.

New York, June 29.—Mushrooms, 50 cents to \$2 per 4-pound basket; cucumbers, 10 cents to 75 cents per dozen, \$2.25 to \$2.75 per basket; tomatoes, 8 cents to 15 cents per pound.

### Notes on Alternate Cultivation

The careful removal of part of a crop or plant can be made very profitable in many cases, in fact, it is the only way at times when work piles in on us. However, with some subjects it does not work. One of these is leaf lettuce. We want leaf lettuce to grow up straight and bleached and by removing every other one the remaining ones open and flatten down to their injury. However, with most other crops the method is highly desirable. We find we can cut a field of spinach a dozen times by always removing the largest ones and leaving the smaller ones which immediately take advantage of the spaces made, thus greatly increasing the crop. In damp weather when there is danger of yellowing or decaying on account of crowding, alternate removing pays well. We sow most of our celery plants in hot beds in rows two inches apart. When we get ready to transplant these we remove every other row and when we get to the end we begin over again and take out as before. Thus we relieve the crowding and stretch out the work which too often comes in glut. Some apply this to root crops, such as beets and radishes, but we find these second growth roots woody and of poor quality. It is best to thin root crops and depend on successive sowings rather than alternate pulling for a long succession. MARKETMAN.

### Principles of Plant Improvement.

When single plants of the self-fertile class (wheat, oats, barley, peas, etc.) are propagated separately in small isolated cultures (so-called pedigree cultures) they breed relatively true from generation to generation provided, of course, they are not the product of a recent crossing but are constant (homozygous) in character. This fact, together with the discovery of the composite character of many of our old varieties has caused most specialists at breeding stations to adopt a system whereby the constituents of these old varieties may be isolated and tested in large numbers separately. By a process of elimination, based on yielding tests and careful studies of each culture, both in the field and in the laboratory, the number is gradually reduced until only the best remains. Further progress is then usually sought by combining the desirable

characters of the best strains by means of hybridization.

While the above system is eminently suited to experimental stations, where time and money are specially allowed for such work, yet the old system of mass-selection may still be regarded as the most practicable one by which the average farmer may annually obtain good seed on his own farm. This system will be outlined in detail later. By means of this method of selection a degree of purity may be maintained in large seed cultures which is scarcely possible in any other way. This in itself is sufficient to justify the application of the system. If applied to cross-fertilizing crops such as corn, this method is full of promise of great gains as in this case it may actually produce a cumulative effect; if applied to varieties of self-fertilizing crops which have become mixed, either through the accidental introduction of foreign sorts or through other causes, it provides a means of effecting improvements by at least separating out the inferior strains and effecting an inclusion of the best.

Since selection, be it "pedigree" selection or "mass" selection, according to most modern authorities, does not produce anything new but simply separates out that which already exists, its value after a certain point has been reached would, in the case of self-fertilizing plants, appear negligible. In so far as being able to effect any accumulation of hereditary variations is concerned, this may be quite true. On the other hand, there are certain physiological factors of agencies such as soil, climate, food and moisture supply, which play an exceedingly important part in the growing of crops and which merit the utmost attention. These factors cause what are known as "fluctuating" variations, that is, variations caused by environment and which, according to most modern breeders, are not hereditary. The selection of favorable fluctuating variations may not lead, therefore, to any improvement in the race as such but there is abundant evidence to show that the superiority of the seed from such variations—from plants which have attained the most perfect development and maturity—manifests itself in better crops for one generation at least. In other words, modifications produced by nurture may not be hereditary, but may be re-impressed on each generation by providing the proper cultural conditions.

The seed may be regarded as an unborn plant drawing its nourishment from the mother. If the mother is poorly nourished, the embryonic plant—the seed—is poorly developed. This is a simple case of malnutrition. Experience goes to show that such seed always produces plants of inferior development. This principle is exemplified in the runt of the swine litter.

Such an individual, as is well known, seldom recovers that which has been withheld from it during the incubation or pre-natal period.

While seed from inferior fluctuations—from poorly developed and immature plants—may often be quite effectively excluded by the severe screening and grading of the bulk sample, yet it is considered a better and safer practice to select desirable plants in the first place, in order that the said sample may contain as little poor seed as possible. This fact, together with the fact that purity in a variety may be most effectively maintained from year to year by the annual inclusion or selection of a sufficient quantity of typical heads, panicles or pods to sow a small culture or plot the following year as a base of supply, renders the system of mass selection exceedingly useful and one which every farmer should include as a part of his regular system of farm management.

In view of the importance of obtaining seed from plants which are perfectly developed and matured, the aim of the grower should be to provide such physical conditions in both the surface and subsoil of his land as will enable the plant to attain maximum development.

This fact suggests at once the desirability of every farmer setting aside his best patch of land each year as a seed producing centre or plot and that he allow the crop produced thereon to mature perfectly before harvesting. Another practice, and one which every farmer may follow to advantage, is to locate, or mark off, the best patch or patches in his fields before harvesting, and allow these to stand until thoroughly mature. They may then be harvested and threshed separately, the seed being kept apart for the following year's seeding.—Canadian Seed Growers' Report.



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

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## MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages.

29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.

440 S. Dearborn St., CHICAGO.

TO THE TRADE

## HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

**SPECIALTIES:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES** (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

# Chrysanthemums

Strictly First-Class Stock

Amorita, Col. D. Appleton, Smith's Advance, Major Bonnaton, Mrs. H. W. Buckbee, John Burton, Winter Cheer, Comoleta, Pockett's Crimson, Mlle. Margaret Desjouis, Wm. Duckham, Donatello, Diana, Dr. Enguehard, Helen Frick, White Helen Frick, October Frost, Yellow October Frost, Roman Gold, Glenview, Ivory, Pink Ivory, Yellow Ivory, Iva, Mrs. J. Jones, Yellow Mrs. Jones, Mrs. O. H. Kahn, Klondike, Viviani Morel, Nagoya, Patty, Glory of Pacific, Wells Late Pink, Chas. Razer, Rufus, Pres. Roosevelt, Roserie, Mrs. H. Robinson, Pacific Supreme, J. K. Shaw, Early Snow, Skibo, Clementine Tousef, Yellow Tousef, Unaka, Yanoma. From 2-in. pots, \$3.00 per 100, \$25.00 per 1000.

**Fairy Queen**, Hartje & Elders pink Pompon for 1912.

From 2-in. pots, \$2.00 per ten; \$15.00 per 100. **Chrysolora**, from 2-in. pots, \$5.00 per 100; \$45.00 per 1000.

We still have Anemones, Pompons, Singles, Exhibitions.

**ELMER D. SMITH & CO.,** ADRIAN, MICH.

Mention the American Florist when writing

# ROSE STOCK

Sunburst

fine 3-inch stock, \$30.00 per 100.

**Pink Killarney, My Maryland, White Killarney and Melody**

3-inch stock, \$8.00 per 100.

**Special Pink Killarney**

4-inch, \$10.00 per 100.

**Lady Hillingdon**

A splendid lot of 4-inch plants, \$15.00 per 100.

These Roses are not picked over culls, but choice plants, grown specially for sale.

**CHAS. H. TOTTY, Madison, N.J.**

# Surplus Roses

Send for Stock List and Prices.



**ROSES - Lady Hillingdon**

3-in. pots at \$150.00 per 1000.

Killarney, 3-in., at.....\$ 55.00 per 1000  
Safrano, 2-in., at..... 35.00 per 1000  
Rose Queen, 3-in., at \$120.00 per 1000, the most beautiful pink rose.

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

# PALMS, FERNS

AND

Decorative Plants

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

Budding Knife Free.

See Page 1424.

# ARAUCARIAS OUR SPECIALTY



**Araucaria Excelsa**, April, 1911, importation raised from top cuttings, 6-7 in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

**Araucaria Excelsa Glauca and Robusta Compacta**, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

**Araucaria Excelsa**, new importation, arrived per steamer Lapland, in fine condition, out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.

**Kentia Belmoreana**, 4 year old, 30 to 35 inches high, \$1.50.

**Kentia Forsteriana**, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

**Kentia Forsteriana**, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

**Kentia Belmoreana**, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.

**Kentia Belmoreana**, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.

**Kentia Belmoreana** combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00, \$1.25 and \$1.50.

**Kentia Belmoreana**, 4-in., 25c; 5½-in., 50c.

**Kentia Belmoreana**, 8-in. pots, made up of 4 plants, \$2.00. A big bargain.

**Kentia Forsteriana**, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.

**Kentia Forsteriana**, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00 each.

**Cocos Weddelliana Palms**, made up of 3 plants, 4 to 5 in. pots, 30c to 40c; 3-in., 15c.

**Areca Lutescens Palms**, made up of 3 plants, 4-in., 20c to 25c; 5¼-in., made up of 3 plants, 25c to 30c.

**Aspidistras**, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf.

**Corphea Australls Palms**, 5-in. pots, 20-in. high, 35c.

**Ficus Elastica**, Belgium stock, large 4-in., 25c; American stock, 5-5½-in., 30c, 35c to 40c.

**Cosmos**, assorted colors or separate, 3 plants in a pot, \$5.00 per 100.

**Shasta Daisies**, best white large-flowering hardy daisy, 2½ in., \$5.00 per 100.

**Asparagus Plumosus**, 2½-in., \$25.00 per 1000, \$3.00 per 100; 3-in., \$5.00 per 100.

**Asters**, 5 separate colors, 2½-in., 3c; Crego, white, pink and rose, 2½-in. pots, \$3.00 per 100.

## Ferns.

**Neph. Cordata Compacta**, 4-in., 20c; 3-in., 15c.

**Neph. Whitmani**, 5½ to 6-in. pots, 35c, 40c and 50c.

**Fern Balls**, just arrived from Japan, large size, dormant, 25c (worth 50c).

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

# GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

# North Carolina Natural Peach Pits

WE ARE THE LARGEST SHIPPERS OF PEACH SEED IN THE SOUTH.

Our Seed Is Guaranteed to Give Satisfaction.

We have a fairly good crop, and will book a limited quantity for delivery in August, September or October. Can furnish recommendations from the best Nurserymen throughout the North and West as to the kind of seed we ship and our responsibility. **Write Us for Prices.**

**J. K. Morrison Grocery & Produce Co.,**

Successors to Morrison Produce & Provision Co.,

Statesville, N. C.

# Bench Rose Plants == Grafted

Pink and White Killarney, 2-year-old stock.

\$50.00 per 1000. Now ready for shipment.

American Beauty Plants, \$50.00 per 1000.

**BASSETT & WASHBURN,** Hinsdale, Ill.

Mention the American Florist when writing

## The Nursery Trade

### American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Filkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

THE latest census figures on the nursery trade of the United States are reproduced in this week's issue.

**ALDERGROVE, B. C.**—The nurserymen in British Columbia are very busy and the fruit crop this year promises to be the best in the history of the province, is the report of Secretary McComb of the Nurserymen's Association.

### Ulmus Campestris Monumentalis.

ED. AMERICAN FLORIST:—

Does *Ulmus campestris* monumentalis grow fast? What is the best soil for this tree and how does it stand transplanting?

T. M.

I have never grown this elm so can't say about its rapidity of growth. Nearly all elms like a rather moist soil with plenty of humus in it although they are not particular. All members of the family move easily.

W. C. EGAN.

### Railway Gardening Association.

The Railway Gardening Association will hold its sixth annual meeting at Roanoke, Va., August 13-16. Papers will be read on the following subjects: "Good Fellowship and How Best It Can Be Maintained," by Geo. B. Moulder; "Insect Pests on Trees and Shrubs and Remedy for Same," by E. F. A. Reinsch; "Are Live Snow Breaks More Economical Than Lumber and Which Should They Be Composed Of?" by J. E. Smith; "Which Gives the Best Results, the Theoretical or Practical Railway Gardener?" by J. E. Byrne; "Should Railways Establish a Landscape Department?" by N. S. Dunlop; "The Propagation by Seed and Cuttings of Nursery Stock," by John Gipner; "How Do Railway Gardeners Compare Mentally, Physically and Morally With Men of Other Professions?" by E. A. Richardson; "What Relationship Should Exist Between the Agricultural and Industrial Departments of Railways and the Railroad Landscape Gardener?" by Dr. E. A. Schubert; "Duties of a Railway Gardener," by C. H. Tritschler; "To What Extent Can Aquatic or Water Gardening Be Carried On by the Railway Gardener?" by V. Wickles; "The Construction and Maintenance of Driveways Approaching Railway Stations," by C. J. Andrews; "The Best Trees for Railway Parks," by J. K. Wingert. Auto trips through the principal streets and to the nearby points of interest will be made Wednesday, August 14. The next day there will be a sightseeing trip over the Shenandoah Valley division of the Norfolk & Western railway, with stops at Natural Bridge and Luray Caverns. The last day, Friday, August 16, the visitors, according to the programme, are "free to do as they please."

The officers of the association are: Patrick Foy, president; F. W. Vail, vice-president; J. S. Butterfield, secretary-treasurer; Geo. B. Moulder, R. W. Hutchison and R. J. Rice, executive committee.

### California's Big Trees.

The Forest Service is raising several acres of Bigtree seedlings on the Tahoe National Forest in California, at a more northerly point than any natural Bigtree grove. While the giant sequoias are found in the forests of the Sierras at various points throughout a total range of some 250 miles, in the northern two-thirds of this range there is practically no natural reproduction. It has consequently been a question whether the species would not practically disappear from this region when the present mature trees die. The most northern existing grove of Bigtrees is on the Tahoe Forest, but about 34 miles southeast of the site selected for planting. This site is on a moist flat not far from Nevada City, and is about 2,700 feet above sea level. The first seeding was done in the fall of 1910, with very successful results, and last fall an additional area was seeded.

The method used in planting the seed was that known to foresters as "the seed spot method." Spots about 6 feet apart each way were prepared by pulverizing the earth with a garden hoe. Seeds were then dropped on these spots and lightly pressed in the soil with the foot. The flourishing condition of the young seedlings gives good reason to expect a future growth of Bigtrees at this point. With protection of forests from fire there seems to be no reason why the Bigtrees should disappear, even though scientists regard them as survivals from a past age, botanically speaking.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

**Wood Brothers,** FISHKILL  
New York

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OAKS and MAPLES  
Pines and Hemlocks

**ANDORRA NURSERIES,**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

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## Hybrid Perpetual and Rambler Roses

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

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## Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

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—For the Best New and Standard—

## DAHLIAS

—Address—

**Peacock Dahlia Farms,**

P. O. Berlin, N. J. Williamstown Junc N. J.

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## How about that FALL order for ARBOR VITAE PYRAMIDALIS and BALSAM FIR?

THE FARMERS NURSERY CO. of Troy, Ohio,  
are propagators of the finest specimen Evergreens  
in this country.

A card will bring you their circular.

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## B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens,  
Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots,  
Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

**BOBBINK & ATKINS**  
Nurserymen and Florists. RUTHERFORD, N. J.

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# Bay Trees BOX TREES

## Palms and Bedding Plants

Large Assortment of Fine Stock.



|                                       |                                        |                   |
|---------------------------------------|----------------------------------------|-------------------|
| <b>Ficus Elastica.</b> Each Doz.      | <b>Latania Borbonica.</b> Doz. Per 100 | Doz.              |
| 6-in. .... \$0.50                     | 4-in. .... \$3.00                      | 6-in. .... \$6.00 |
| 7-in, branching.... \$0.75 and \$1.00 | 5-in. .... 5.00                        |                   |
| <b>Ficus Repens (Climbing).</b> Each  |                                        |                   |
| 2½-in. .... \$0.50                    |                                        |                   |

|                                          |                                             |
|------------------------------------------|---------------------------------------------|
| <b>Achyranthes,</b> 2-in. \$2.50 per 100 | <b>Lanatum Vine</b> ..... 3-in. \$0.07      |
| <b>Achyranthes</b> ..... 3-in. \$0.05    | ..... 4-in. .12                             |
| <b>Ageratum</b> ..... 2-in. .02½         | <b>Lantanas</b> ..... 4-in. .08             |
| ..... 3-in. .05                          | ..... 3-in. .05                             |
| ..... 4-in. .07                          | ..... 2-in. .02½                            |
| <b>Asparagus Plumosus,</b>               | <b>Lobelia, Single</b> ..... 2-in. .02½     |
| 4 in. .... per doz., \$1.50              | Katherine Mal-                              |
| 6 in., strong plants, 50c each;          | lard, Double..... 2-in. .003                |
| \$6.00 per doz.                          | <b>Mmc. Sallerol</b> ..... 3-in. .05        |
| <b>Begonia Vernon</b> ..... 2-in. .02    | <b>Marguerites, Yellow</b> ..... 2-in. .02½ |
| <b>Caladium Esculentum</b> 5-in. .15     | ..... 4-in. .08                             |
| <b>Cannas, Florence Vaughan,</b>         | "    White .2-in. .02½                      |
| Austria, Assorted and                    | Single                                      |
| Henderson ..... 4-in. .08                | White, 4-in. .08                            |
| <b>Colcus, Verschaffeltii and</b>        | <b>Nasturtiums, Tall and</b>                |
| Golden Bedder, 2-in. .02½                | Dwarf ..... 3-in. .04                       |
| " Pfister, yellow and                    | <b>Penisetum</b> ..... 2-in. .02½           |
| red. .... 3-in. .05                      | <b>Pyrethrum, Golden Feather</b>            |
| <b>CYCLAMEN, 3-in. \$6.00 per 100</b>    | <b>Ricinus (Castor Bean)</b> 4-in. .08      |
| ..... 4-in. .15                          | <b>Rose Geraniums</b> ..... 4-in. .08       |
| ..... 3-in. .07                          | <b>Roses, pot grown</b> 5 and 6-in. .25     |
| <b>English Ivy</b> ..... 4-in. .15       | <b>Shasta Daisies</b> ..... Seedlings.      |
| ..... 3-in. .07                          | ..... \$5.00 per 1000                       |
| <b>Fuchsias</b> ..... 2-in. .03          | <b>Thunbergia</b> ..... 2-in. .02½          |
| ..... 3-in. .05                          | <b>Umbrella Plants</b> ..... 4-in. .08      |
| ..... 4-in. .08                          | <b>Verbenas</b> ..... 2-in. .02             |
| <b>German Ivy</b> ..... 3-in. .04        |                                             |
| ..... 2-in. .02½                         |                                             |
| <b>Heliotrope</b> ..... 4-in. .07        |                                             |



### BOXWOODS

|                                        |         |
|----------------------------------------|---------|
| <b>Obelisk.</b> Each                   |         |
| 5 ft. high, 18-in. bottom measure..... | \$10.00 |
| <b>Globe Shaped.</b>                   |         |
| 15-18 in. top, 15-18 in. high .....    | \$4.00  |
| <b>Standard.</b>                       |         |
| 12 in. crown.....                      | \$1.50  |
| 15-18 " " .....                        | 2.50    |
| 18-21 " " .....                        | 3.00    |
| 21-24 " " .....                        | 4.00    |
| 24-27 " " .....                        | 6.00    |
| 32-34 " " .....                        | 9.00    |
| 36-38 " " 3-4 ft. stem .....           | 9.00    |
| 40-42 " " 18-24 in. " .....            | 10.00   |
| <b>Pyramid.</b>                        |         |
| 9 ft. high .....                       | 20.00   |

|                                               |        |
|-----------------------------------------------|--------|
| <b>Kentia Belmoreana.</b>                     |        |
| Leaves Height Doz. Per 100                    |        |
| 2-in. .... 4 8 in. \$1.50 \$12.00             |        |
| 3-in. .... 4 to 5 8 to 10 in. 2.00 15.00      |        |
| 4-in. .... 4 12 in. 3.60 30.00                |        |
| 4-in. .... 4 to 5 12 to 15 in. 4.50 35.00     |        |
| 5-in. .... 5 to 6 15 to 18 in. 6.00 50.00     |        |
| Each Per doz.                                 |        |
| 5-in. .... 5 to 6 18 to 20 in. \$0.75 \$ 9.00 |        |
| 6-in. .... 6 to 7 20 to 22 in. 1.00 12.00     |        |
| 6-in. .... 6 to 7 22 to 24 in. 1.50 18.00     |        |
| 7-in. .... 6 to 7 24 to 26 in. 1.75 21.00     |        |
| 7-in. .... 6 to 7 26 to 28 in. 2.00 24.00     |        |
| 7-in. .... 6 to 7 28 to 30 in. 2.50 30.00     |        |
| 8-in. .... 7 to 8 40 to 45 in. 5.50           |        |
| 9-in. .... 7 to 8 48 to 50 in. 8.00           |        |
| 9-in. .... 7 to 8 50 to 54 in. 10.00          |        |
| <b>Made-up.</b>                               |        |
| 7-in., 3 in a pot, 28 to 30 inches high. each | \$2.50 |

|                           |                           |
|---------------------------|---------------------------|
| <b>Pandanus Veitchii.</b> |                           |
| Each Doz. Each Doz.       |                           |
| 4-in. .... \$0.50 \$5.50  | 6-in. .... \$1.00 \$12.00 |
| 5-in. .... .75 9.00       |                           |

BOXWOODS, square trim, 20-in. high, 15-in. diam..... \$2.50 each



|                                      |                   |
|--------------------------------------|-------------------|
| <b>PHOENIX CANARIENSIS.</b>          | Each              |
| 7-inch pots, 40 to 44-in. high.....  | \$ 2.50           |
| 8-inch pots, 46 to 50 in. high.....  | 4.00              |
| 9-inch pots, 50 to 54 in. high.....  | 8.00              |
| 10-inch pots, 60 to 64 in. high..... | 10.00             |
| <b>PHOENIX RECLINATA.</b>            | Each Doz. Per 100 |
| 4-in. ....                           | \$3.00 \$20.00    |
| 5-in. ....                           | 5.00 40.00        |
| 6-in. ....                           | \$0.75 9.00       |
| <b>PHOENIX ROBELENII.</b>            | Each Doz. Per 100 |
| 2½-in. ....                          | \$ 2.00 \$15.00   |
| 6-in. ....                           | 12.00             |
| 6-in. strong.....                    | 18.00             |

### BAY TREES

|                                    |         |
|------------------------------------|---------|
| <b>Pyramid.</b> Each               |         |
| 7 ft high.....                     | 15.00   |
| 9 " " .....                        | 20.00   |
| <b>Standard.</b>                   |         |
| 1-2 ft. stem, 18-20 in. crown..... | \$ 4.00 |
| 3 " " 24 " " .....                 | 6.00    |
| 3½ " " 26 " " .....                | 7.00    |
| 4 " " 28 " " .....                 | 7.00    |
| 4 " " 30 " " .....                 | 12.00   |
| 4 " " 48 " " .....                 | 20.00   |

|                                                   |         |
|---------------------------------------------------|---------|
| <b>Kentia Forsteriana.</b>                        |         |
| Leaves Height Doz. Per 100                        |         |
| 2-in. .... 4 8 to 10 in. \$1.50 \$12.00           |         |
| 3-in. .... 4 to 5 12 to 14 in. 2.00 15.00         |         |
| 4-in. .... 4 to 5 14 to 16 in. 4.50 35.00         |         |
| 5-in. .... 5 to 6 16 to 18 in. 6.00 50.00         |         |
| Each Per doz.                                     |         |
| 5-in. .... 5 to 6 20 to 24 in. \$0.75 \$ 9.00     |         |
| 6-in. .... 5 to 6 24 to 30 in. 1.00 12.00         |         |
| 6-in. .... 5 to 6 30 to 36 in. 1.50               |         |
| 7-in. .... 5 to 6 36 to 38 in. 2.50               |         |
| 7-in. strong 5 to 6 36 to 40 in. 3.00             |         |
| 8-in. .... 5 to 6 40 to 44 in. 5.00               |         |
| 8-in. .... 6 to 7 46 to 50 in. 7.00               |         |
| 9-in. .... 6 to 7 60 in. 8.00                     |         |
| <b>Made-up.</b>                                   |         |
| 7-in., 3 to 4 in a pot, 24 to 30 inches high..... | \$ 2.50 |
| 9-in., 3 to 5 " " 50 to 54 " " .....              | 8.00    |
| 10-in., 4 to 5 " " 58 to 60 " " .....             | 10.00   |
| 12-in., 4 to 5 " " 62 to 70 " " .....             | 15.00   |

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| The best plant for the center of cemetery vases. |                                  |
| 6-in. ....                                       | \$6.00 per doz.                  |
| 8-in., beautiful specimens, 3ft. high.....       | \$1.50 each                      |
| <b>Cyperus Alternifolius.</b>                    |                                  |
| 4-in. ....                                       | \$1.50 per doz.; \$10.00 per 100 |
| <b>Cycas Revoluta.</b>                           | 50c and 75c each                 |
| <b>Pandanus Utilis.</b>                          | Doz.                             |
| 3-in. ....                                       | \$1.50                           |

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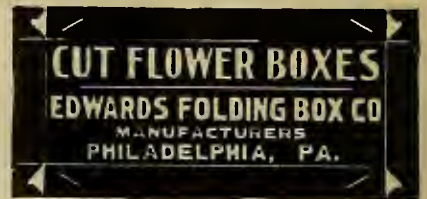
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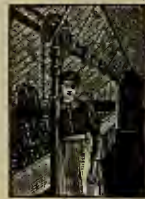
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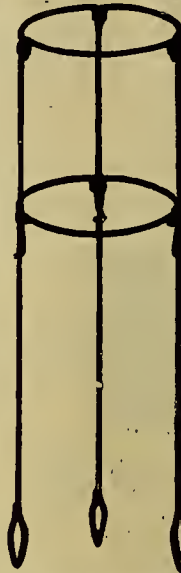
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Asparagus plumosus, 2 1/4-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

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Asparagus plumosus, 6-in., 50c each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

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## ASTERS.

Asters, seedlings, Queen of the Market, white and pink, Carlson's white, shell pink and lavender, 25c per 100; \$2 per 1,000. EDW. DOEGE COMPANY, 4344 N. Springfield Ave., Chicago, Ill.

ASTERS! ASTERS! ASTERS! Surplus stock. Need room. Vick's and Semple's Branching, white, pink, rose, lavender, purple. If taken at once, \$1.50 per 1,000. Giant Crego, white, pink, rose, purple, originator's own stock, \$2 per 100; fine plants. National Co-operative Show Gardens, Spencer, Ind.

Extra fine aster plants, transplanted, \$1 per 100; 2 1/2-in. pots, \$2 and \$2.50 per 100; in best white and light colors. No overgrown pot plants, but fresh stock plants just right to bench or plant outside. Danville Floral Co., Danville, Ill.

Asters. Semple's Branching, white, pink, purple, \$2.50 per 1,000; 5,000, \$10. J. C. Schmidt, Bristol, Pa.

Asters. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

## AZALEAS.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

## BAY TREES.

BAY TREES—Every florist should have some of these on hand for decorating purposes. Nothing is more handsome and effective.

| Diam. Inches. | Height of Stem. Inches. | Planted in tub. Each. | Planted in Miss'n Plant Box. Each. | Price \$ |
|---------------|-------------------------|-----------------------|------------------------------------|----------|
| 18 to 20      | 24                      |                       |                                    | \$ 4.00  |
| 24 to 26      | 36 to 40                |                       |                                    | 6.00     |
| 28 to 30      | 36 to 40                |                       |                                    | 7.75     |
| 32 to 36      | 36 to 40                |                       |                                    | 10.00    |
| 38 to 40      | 36 to 40                |                       |                                    | 11.50    |
| 42 to 44      | 36 to 40                |                       |                                    | 16.00    |
| 46 to 48      | 36 to 40                |                       |                                    | 20.00    |
|               |                         |                       |                                    | 25.00    |

Can supply Boxwood in pyramid, bush or standard. State size wanted.

WAGNER PARK CONSERVATORIES,  
SIDNEY, OHIO.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Bay Trees. Bobbink & Atkins, Rutherford, N. J.

## BEDDING PLANTS.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Bedding stock. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Coleus, alternantheras, red and yellow; bell-trope, scarlet sage, lemon verbena, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## BEGONIAS.

Begonias. Lorraine, 2 1/4-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Turford Hall, Betty Anderson, La Patrie, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

Gloire de Lorraine, 2 1/4-in., \$12.50 per 100; \$100 per 1,000. Erie Floral Co., Erie, Pa.

## BOXWOOD.

Boxwood, pyramidal, 4 to 5 ft. fine specimen, \$3.50 each; 3 to 4 ft., fine specimen, \$2.50 each. Cash. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

## BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, Caladium esculentum, 7-9, \$2.50 per 100. Longidorums, multiflorums, giganteums. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs, Horseshoe Brand Lillum Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Gladhill, Mrs. Francis King, Mrs. Beecher, Augusta, Lizzie, Negnacott, etc., Lilles, E. S. Miller, Wading River, N. Y.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, callas. M. M. Carroll, Norwood (Cinti.), O.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

## CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, 2 1/4 and 3-in. Vaughan's Seed Store, Chicago and New York.

Cannas. The Conard and Jones Co., West Grove, Pa.

## CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

## CARNATIONS.

Carnations Brooklyn. Rooted cuttings, \$12 per 100; \$10 per 1,000; 250 at 1,000 rate, Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants are now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. F. Dörner & Sona Co., La Fayette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

Carnations. Des Plaines Floral Co., Des Plaines, Ill.

## CHRYSANTHEMUMS.

ROOTED CUTTINGS out of Sand. Out Door Propagation. Ready to ship. Safe arrival guaranteed. \$1.50 per 100; \$12.50 per 1,000. White—Oct. Frost, C. Touset, White Cloud, Kalb, Queen, Mlle. Des Jonis, Florence Pullman, Yanoma, Yellow—Halliday, Col. Appleton, Golden Wedding, \$1.50 per 100. Pink—Maud Dean, Jeanne Rosette, \$1.50 per 100; \$12.50 per 1,000. MEMPHIS FLORAL CO., 145 South Main St., Memphis, Tenn.

CHRYSANTHEMUMS—Rooted Cuttings. 1,500 Touset, 1,500 W. Ivory, 2,000 Mrs. David Syme, 2,500 Yellow Jones, 3,000 Alice Byron, 1,500 Pacific Supreme, 2,500 W. Bonaffon, 1,500 M. Bonaffon, 3,000 Rosette, 2,000 Baby (yellow), 2,000 Halliday, and others. Send for list.

WILLIAM SWAYNE, Kennett Square, Pa.

Chrysanthemums, cuttings, from sand and soil as follows: White: White Bonaffon, Estelle, Polly Rose, Oct. Frost, Ivory, Silver Wedding, Yellow: Golden Glow, Maj. Bonaffon, Yellow Baton, Yellow Ivory, Pink: Glory Pacific, Pacific Supreme, Minnie Bailey, \$1.25 per 100; \$12 per 1,000. D. H. Green, Boonsboro, Md.

Chrysanthemum plants, 2 1/4-in., White and Yellow Bonaffon and Chadwick, \$2.50 per 100; \$20 per 1,000. Graylund, Florist, 3442 Lowell Ave., Chicago, Ill.

Chrysanthemums. The best for florists' use. For list of varieties see advertisement elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

HEADQUARTERS

CHRYSANTHEMUMS, ROOTED CUTTINGS  
OUT OF SAND AND SOIL.

Table listing chrysanthemum varieties like White, Early Snow, Mrs. Buckbee, Gloria, Estelle, Touset, White Ivory, Chadwick, W. Bonaffon, Snow Queen, Yanoma, Yellow, Monrovia, Robt. Halliday, Col. Appleton, Major Bonaffon, Romance, Yellow Eaton, Nagoya, Pink, Rosiere, Pacific, Monogram, Gloria, Marion Newell, Dr. Enguehard, Maud Dean, Red, Intensity with prices per 100.

POMPONS.

Table listing pompon varieties like White, Baby Margaret, Lulu, Yellow, Quinola, Baby, Pink, Mrs. E. Roberts, Ladysmith, Emille.

CUT BACK PLANTS—OUT OF SOIL.

Table listing cut back plants like White, Early Snow, Buckbee, Touset, Bonaffon, Eaton, Nagoya, Pink, Rosiere, Pacific, Monogram, Gloria, Marion Newell, Dr. Enguehard, Rosette, Maud Dean, Red, Intensity with prices per 100.

POMPONS—CUT BACK.

Table listing cut back pompon varieties like White, Lulu, Pink, Emille, Mrs. E. Roberts, Ladysmith, Yellow, Baby, Golden Star, Quinola with prices per 100.

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

CHRYSANTHEMUMS.

Table listing chrysanthemum varieties like Crimson, Pockett's Crimson, Intensity, White, Alice Byron, Touset, October Frost, Yellow, Crocus, Golden Glow, Halliday, Maj. Bonaffon, Pink, Pacific Supreme with prices per 100.

J. D. THOMPSON CARNATION CO., JOLIET, ILL.

POMPONS, 800 Baby yellow, 400 Mrs. Beu, 100 Klondike, 75 Lula, 75 Beach, 35 Souovia, are in 2 1/2-in. pots, \$1.50 per 100; or 1 1/2 each. Jos. Schoos, 514 Asbury Ave., Evanston, Ill.

Chrysanthemums, strictly first-class stock, White, Chadwick, Yellow Chadwick, White Jones and Yellow Jones, R. C., \$2.50; 2 1/2-in. pots, \$3.50 per 100. Otto J. Hembrelker, Lincoln, Ill.

Chrysanthemums. Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria, 2-in. frame grown, Dwarf Gold Medal Strain, tall and Stellata, 2 1/2; Dwarf double, 3c. J. L. Schiller, Toledo, O.

CLEMATIS.

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Golden Bedder, Verschaffeltii; Queen Victoria, etc., 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CYPERUS.

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

DAHLIAS.

COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for \$3 per 100 blooms in August, and \$5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; \$5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias, leading kinds, \$3.50 per 100; \$30 per 1,000. Divided field-roots, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Dahlias, new and standard varieties. Bassett & Weller, Hammonton, N. J.

Dahlias, leading sorts, Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracaena indivisa, 4-in., \$10 per 100; 6-in., \$25 per 100. Calvert Floral Co., Lake Forest, Ill.

Dracaena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Dracaena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Boston ferns for 4, 5 and 6-in., 12c, 20c and 25c. 25,000 Boston and Whitman for 2 and 3-in., \$20 per 1,000. True Winter flowering yellow Marguerites unrooted, \$2; rooted, \$4 per 100. Cash. A. G. Lake, Wellesley Hills, Mass.

FERNS FOR DISHES, 2-in, assorted, \$3 per 100; \$25 per 1,000. Aspidum tussemense, \$3.50 per 100. ROBER & RADKE, Maywood, Ill.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/2-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2 1/2-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Boston ferns, 8 to 12-in. Eric Floral Co., Erie, Pa.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 5 and 5 1/2-in., 30c, 35c and 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums. We have an especially nice lot in the leading varieties in 4 and 2 1/2-in. pots. Also a nice stock of Mme. Sallerol, Salvia and Snapdragons. If you need any we will be pleased to submit interesting prices. New Cumberland Floral Co., New Cumberland, Pa.

Geranium. Nutt, Doyle, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, Nutt, Buchner, Visud, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, R. C. Nutt and Ricard, \$10 per 1,000. Poitevine, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Beaute Poitevine, S. A. Nutt, A. Ricard, Mme. Buchner, La Favorite, ivy leaved, 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

4,000 A. No. 1 stock, S. A. Nutt and Ricard; all in bud and bloom. Must be sold quick; need the room, \$7 per 100. Cash with order. Frank Felke, 828 Ridge Ave., Wilmette, Ill.; Telephone 1236 Wilmette.

GERANIUMS, standard varieties, strong stock, 3-in., \$4 per 100; 2 1/2-in., \$2.50 per 100. Poitevine and Harrison, \$3 per 100. ROBER & RADKE, Maywood, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

GERANIUMS, all varieties. Large plants, \$8 per 100. M. C. Gunterberg, 82-86 E. Randolph St., Chicago, Ill.

Geraniums, Nutt, Ricard, La Favorite, Sallerol, Strong 4-in., 6c; 3-in., 3c. Truitt's Greenhouses, Chanutte, Kans.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 4-in., all colors, \$7 per 100. Calvert Floral Co., Lake Forest, Ill.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Beaven, Evergreen, Ala.

Sphagnum moss. The C. W. Brownell Co., Walden, N. Y.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

German iris, mixed roots, \$1 per 100. A. M. Herr, Lancaster, Pa.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

IVIES.

English ivy, 2 1/2-in., \$3 per 100. The Good & Reese Co., Springfield, O.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips in cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

From Storage.

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Arbor-Vita, excellent stock, 24 inches and over; Rosedale, Biota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines, and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



North Carolina natural peach p'ts. J. K. Morrison Grocery and Provision Co., Statesville, N. C.  
 Nursery stock, Arbor-vitae Pyramidals and balsam fr. The Farmers Nursery Co., Troy, O.  
 Nursery stock, Storrs & Harrison Co., Painesville, O.  
 Nursery stock, Felix & Dykhuil, Boskoop, Holland.  
 Shrubs, The Conard & Jones Co., West Grove, Pa.  
 Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.  
 Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

**OLEANDERS.**

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**ORANGES.**

Oranges, Otahelte, 2 1/4-in., 50c per doz.; \$3 per 100. The Good & Reese Co., Springfield, Ohio.

**ORCHIDS.**

Orchids of all kinds. Lager & Harrell, Summit, N. J.  
 Orchids, H. Stanley, Sandcross Lane, Belgate, England.

**PANDANUS.**

Pandanus utilis and Veitchii. For prices see advertisement elsewhere in this issue. The Geo. Witthold Co., 739 Buckingham Pl., Chicago.

**PALMS.**

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.  
 Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Witthold Co., 739 Buckingham Pl., Chicago.  
 Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock Co., Wyncote, Pa.  
 Phoenix Robelenii, 12-in. pots, \$5 each. F. R. Plerson Co., Tarrytown-on-Hudson, N. Y.  
 Cycas stems, Yokohama Nursery Co., 31 Barclay St., New York.  
 Palms, Bobbink & Atkins, Rutherford, N. J.  
 Palms, Robt. Craig Co., Market and 49th Sts., Philadelphia.  
 Palms, John Scott, Rutland road and E. 45th St., Brooklyn, N. Y.

**PANSIES.**

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

**PEONIES.**

Peonies, W. & T. Smith Co., Geneva, N. Y.

**PETUNIAS.**

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

**POINSETTIAS.**

**POINSETTIAS OUR SPECIALTY.** Headquarters of the West, 2 1/4-in. strong plants, \$5 per 100; \$40 per 1,000; 2 1/2-in. extra strong, \$6 per 100; \$50 per 1,000; 3-in. strong plants, \$7 per 100. All top cuttings. Ready middle of July. Orders booked now. We practice particular packing. ROBER & RADKE, Maywood, Ill.

Poinsettias, 2 1/4-in. pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2 1/2-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

**PRIMULAS.**

Primula, 2-in., frame grown, main specialty for many years, OBCONICA Rosendorfer and Latham strains, positively best in existence. GRANDIFLORA, 10 colors and GRANDIFLORA FRINGED, 5 colors, 2 1/2-in. GIGANTEA, 5 colors, 3c. MALACOIDES and KEWENSIS, 3c. J. L. Schiller, Toledo, O.

Primulas, Chinese, Forbesii, obconica grandiflora, alba and rosea, \$2 per 100. Ready Aug. 1. Obconica gigantea, Kermesina and Malacoides, \$2 per 100. Ready July 20. Cash. Jos. H. Cunningham, Delaware, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash please. J. W. Miller, Shiremanstown, Pa.

Primulas, obconica and Chinese, 2 1/2-in., \$2.50 per 100. J. C. Schmidt, Bristol, Pa.

**RESURRECTION PLANTS.**

Resurrection plants, selected stock, \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**RHODODENDRONS.**

Rhododendrons, W. & T. Smith Co., Geneva, N. Y.  
 Rhododendrons, Bobbink & Atkins, Rutherford, N. J.

**ROSES.**

**CHOICE ROSE PLANTS.**

|                            | Per 100. | Per 1,000. |
|----------------------------|----------|------------|
| American Beauty, 2 1/4-in. | \$6.00   | \$50.00    |
| Jardine, 2 1/4-in.         | 3.00     | 25.00      |
| Uncle John, 2 1/4-in.      | 3.00     | 25.00      |
| My Maryland, 2 1/4-in.     | 4.00     | 30.00      |
| Richmond, 2 1/4-in.        | 3.00     | 25.00      |
| Richmond, 3-in.            | 4.00     | 35.00      |

Ready Now. Order Early.

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

**ROSES FOR LINING OUT.**

|            |                |
|------------|----------------|
| Orleans    | \$7.50 per 100 |
| Hlawatha   | 7.50 per 100   |
| Lady Gay   | 4.00 per 100   |
| Evangeline | 10.00 per 100  |
| Minnehaha  | 10.00 per 100  |

Miss Messman of Climbing Baby Rambler, \$7.50 per 100.

THE CONARD & JONES CO.,

West Grove, Pa.

**ROSE PLANTS.**

Extra fine, clean, well-grown and healthy stock. Big bargain at the prices quoted. You cannot afford to miss this. Order now.

|                     | Per 100. | Per 1,000. |
|---------------------|----------|------------|
| Richmond, 3 1/4-in. | \$6.00   | \$50.00    |
| Richmond, 2 1/4-in. | 4.00     | 35.00      |

SINNER BROS.,

82 E. Randolph St., Chicago, Ill.

Roses, Killarney Queen, and Dbl. White Killarney, grafted, \$30 per 100; 250, \$70; \$250 per 1,000; own roots, \$25 per 100; \$200 per 1,000; Richmond grafted, \$15 per 100; \$120 per 1,000; own root, \$7.50 per 100; \$60 per 1,000. Mrs. Taft, own roots, \$7.50 per 100; \$60 per 1,000. Radiance, own root, \$7.50 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Roses, strong, clean stock, Kaiserin Augusta Victoria, Perle, Richmond, own root, out of 3 1/2-in. pots, at \$6 per 100. Pink and White Killarney, grafted, at \$12 per 100. P. R. Quilman, Syracuse, N. Y.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/4-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Erle Floral Co., Erie, Pa.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silence. W. H. Elliott, Brighton, Mass.

Roses, 2 1/4-in. pots. Am. Beauty, \$4 per 100; \$35 per 1,000. Perle, \$3 per 100; \$25 per 1,000. My Maryland, \$5 per 100; \$40 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses, hybrid perpetual and Ramblers. Strong forcing stock for florists. Orders for fall delivery booked now. Jackson & Perkins Co., Newark, N. Y.

Beauty bench plants, 1-year-old, \$30 per 1,000. Asparagus plumosus, bench plants, 1-year-old, \$25 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Roses, own root and grafted. For varieties and prices see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, bench plants—grafted. Pink and White Killarney, 2-year, \$50 per 1,000. Am. Beauty \$50 per 1,000. Bassett & Washburn, Hinsdale, Ill.

Roses, Killarney, 3-in., \$55 per 1,000. Saffron, 2-in., \$35 per 1,000. Rose Queen, 3-in., \$120 per 1,000. L. E. Coddington, Murray Hill, N. J.

Rose Radiance, 2 1/4-in., \$1 per doz.; \$6 per 100. Good & Reese Co., Springfield, Ohio.

Am. Beauties, 2 1/4-in., \$5 per 100; \$45 per 1,000. The Leddie Floral Co., Springfield, O.

Roses, The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.  
 Roses, W. & T. Smith Co., Geneva, N. Y.

**SEEDS.**

SOW NOW if you want them for early Spring sales.

|                                    | Pkts.  | Pkts.  |
|------------------------------------|--------|--------|
| Begonia Redding Queen, finest pink | \$2.50 | \$0.50 |
| " Gracilla lumbosa, finest red     | 2.50   | .50    |
| " Trumpf, finest white             | 2.50   | .50    |

O. V. Zangen, Hoboken, N. J.

Seeds, beans, beet, cabbage, carrot, kohlrabi, leek, lettuce, onion, peas, radish, salsich, turnips, swedes, asters, balsams, begonias, carnations, cinerarias, gloxinias, larkspur, nasturtium, pansies, petunias, phloxes, primulae, scabious, stocks, verbenas, zinnias, etc. Heary Mette, Quedlinburg, Germany.

Seeds, cucumber, muskmelon, squash and pumpkin, sweet, flint and Dent seed corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, pansy, calcicolaria, cineraria, primula, cyclamen. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seed, Asparagus plumosus Nanus, northern greenhouse grown, 50c per 100; 500 seeds, \$1.50; 1,000 seeds, \$3. Vaughan's Seed Store, Chicago and New York.

Seeds, Pansies. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Giant pansy seed, the Kenilworth strain. For prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field corn. J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beans, peas, sweet corn, onions, turnips, radish, beet, etc. The Everette B. Clark Seed Co., Milford, Conn.

Seeds, Burnett Bros., 72 Cortlandt St., New York.

Seeds, J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, beans, cucumber, tomato, muskmelon, squash, watermelon, radish, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seed, cyclamen, English strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, peppers, egg plant, tomato, vine seed and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurg, Mullica Hill, New Jersey.

Seeds, beans, peas, radish, and all garden seeds, onion sets. Leonard Seed Co., 226 W. Kinzie St., Chicago.

Seeds, Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, beans, Henry Fish Seed Co., Carpenteria, Calif.

Lawn grass seed, J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Seeds, sweet pea and nasturtium specialists, and flower and garden seeds. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, beet, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. De-naiffe & Son, Carignan, Northern France.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, lettuce, onion, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohbert, Gilroy, Calif.

Seeds, cauliflower, cabbage, root and other seeds. L. Dachfeldt, Odense, Denmark.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Seeds, pansies. Fred Roemer, Quedlinburg, Germany.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Seeds, pansy, *Cineraria grandiflora*, *Bellis perennis*. See advertisement elsewhere in this issue. The Storrs & Harrison Co., Palmsville, O.

Seeds, beets, cabbage, celeries, parsleys, parsnips, turnips. R. & M. Godineau, Angers, France.

Seeds, *Asparagus plumosus*, \$1.50 per 1,000. Sprenger, 50c per 1,000. H. R. Richards, Box A. F., R. F. D. 6, Los Angeles, Calif.

Seeds. James Vicks' Sons, Rochester, N. Y.

#### SMILAX.

Smilax, strong, 2-in., 2c; per 1,000, \$18. J. L. Schiller, Toledo, O.

Smilax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, 2½-in., \$1.50 per 100. Joseph H. Cunningham, Delaware, O.

Smilax, 2½-in., \$1.50 per 100; \$14 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

#### SNAPDRAGONS.

1,000 snapdragons, pure white, for winter forcing from pots, \$2.50 per 100. Danville Floral Co., Danville, Ill.

#### VEGETABLE PLANTS.

Late cabbage and tomato plants to close out, \$2 per 1,000. Danville Floral Co., Danville, Ill.

Cabbage plants, early and late varieties, 40c per 100; \$3.50 per 1,000. Graylund, Florist, 3442 Lowell Ave., Chicago, Ill.

20,000 tomato, 10,000 cauliflower and mango pepper; 10,000 Kale and Kohl rabi plants, \$2 per 1,000; 30c per 100 by mail. Late cabbage, \$1 per 1,000. Cash. Mrs. Edward Hayden, Greenview, Ill.

Rhubarb roots. Strong divided roots, with 2 and 3 eyes. Best kind for the market, \$5 per 100; \$45 per 1,000. Sluis Seed Store, 544 W. 63rd St., Chicago.

Vegetable plants. W. C. Lester, Plainville, Conn.

#### VERBENAS.

Verbenas, seedlings, strong plants, 60c per 100; 2½-in., assorted, \$1.50 per 100. Rober & Radke, Maywood, Ill.

#### VINCAS.

Vinca var., extra strong 4-in., \$8 per 100; 2½-in., \$2.50. Brus Bros., R. D. No. 6, Independence, Mo.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

#### YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100, (rare bargains). P. O. B. 173, Texas Nursery and Floral Co., Alvin, Texas.

#### TO EXCHANGE.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 173, Texas Nursery and Floral Co., Alvin, Texas.

#### CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

#### FERTILIZERS.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

#### GREENHOUSE CONSTRUCTION.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietrich Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.



For Ornamentality  
No Greenhouse Equals The U-Bar



This is the U-Bar, the bar that makes U-Bar Greenhouses the Famous Greenhouses They Are.

At a glance that's apparent. The reason is, the U-Bar. To put it another way; you can put a gold plated harness on a heavy draft horse and hitch him to a swell little runabout—but with all his trappings he ambles along draft horse fashion just the same. So by the same token, putting a curved eave on a greenhouse does not make it a U-Bar curved eave house. It only looks something like it from the outside. A U-Bar house is distinctly different and it's the U-Bar that makes it so. Send for a catalogue and find out just why.

## U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE. NEW YORK.  
CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL



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The Best Thread on The Market  
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

**John C. Meyer & Co., Lowell, Mass.**

THE LOWELL THREAD MILLS.

#### MISCELLANEOUS.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Clara cemetery vases, 12 ins. high, doz., \$2.50; barrel of 3 doz., \$8, f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

Seed packets. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Green Silkamine. John C. Meyer & Co., Lowell, Mass.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Printing catalogues our specialty. Regan Printing House, 527 Plymouth Pl., Chicago.

Ribbons and chiffons. Werthelmer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

#### REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brecht's Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

#### STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 35c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Bamboo stakes. Yokohama Nursery Co., 31 Barclay St., New York.

**If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It**

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We are soon going abroad to make our fall purchases.

## ?? Will You Place Import Orders ??

On first quality Cycas Leaves, Genuine Imported Waterproof Crepe Paper (trade-mark Westfalia), Gold Leaf Script Letters and Words; also any other article coming from across the ocean which is worth while handling.

Write us now and we will let you in on Bedrock Prices

American Importing Company  
219 South Dearborn Street

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122 W. 25th St., NEW YORK.

We Manufacture all Our Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glass-ware, Pottery, Decorative Greens and all Florists' Requisites.

## Half-tone Plates

Made from sprays of flowers, either in natural colors or for black printing. Letter heads, envelopes, bill heads, statements, cards and special labels.

## Gorham & Chapline Printery

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## Boilers OF HIGH GRADE.. For GREENHOUSES

See Our Catalogue.

Steam and Hot Water GIBLIN & CO., Utica, N. Y.

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## 50% SAVED. Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

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Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning Hail Insurance. address

JOHN G. ESLER, Secretary, SADDLE RIVER, N. J.

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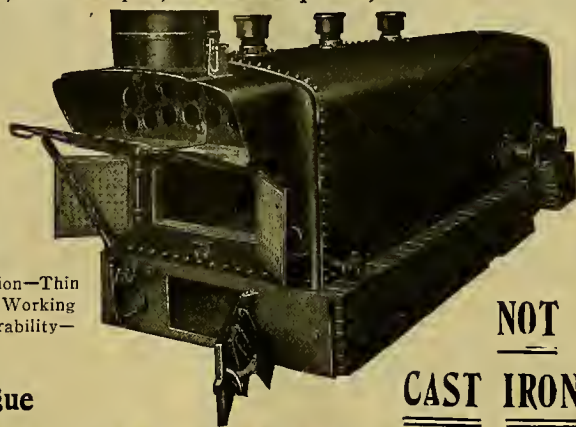


## KROESCHELL BOILERS ARE BETTER THAN CAST IRON BOILERS WHICH DO YOU WANT?

CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers' profits), OR KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers' profits).

The KROESCHELL BOILER has the Highest Standard of HEATING VALUES.

Immense Self-Cleaning Heating Surface. Longest Fire Travel — Perfect Combustion—Free Circulation—Thin Waterways—Guaranteed Working Capacities — Safety — Durability—Efficiency and Economy.



NOT CAST IRON

Send for Catalogue

## READ WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

### Kroeschell Saves Twenty Per Cent Coal Replaced Cast Iron Boilers.

Messrs. Kroeschell Bros. Co.; Gentlemen: We wish to tell you how much we are pleased with your boiler we put in last fall. It replaced two cast iron boilers, has done the work very much better, requires much less attention, and besides, as near as we can figure, we use about 20 per cent less coal than we have been using. This coal item is not compared with only one season, but with at least twenty years' experience with several different kinds of cast iron boilers. We are more than satisfied, and have taken pleasure in showing and recommending your boiler to a number of growers. Yours very truly, PENNOCK BROS., Philadelphia, Pa.

### Took Out Cast Iron Boilers for Kroeschell

I bought two No. 4 Boilers in 1902. They take care of 24,750 square feet of glass and could take care of one-third more. These boilers are rated at 21,000 square feet. They do very satisfactory work, better than any other boiler I ever had. I took out my cast iron boilers and put these in their place. Your boilers save at least 15 per cent coal. JAS. S. KIRK, Chicago, Ill.

### No Trouble to Keep Temperature of Fifty Degrees in the Coldest Weather.

The No. 7 Boiler I bought from you is heating 14,000 feet of glass. I think it can take care of 16,000 feet. I do not have any trouble to keep up a temperature of 50 degrees in the coldest weather. I fire once after 12 o'clock. The boiler has given perfect satisfaction. I have four cast iron boilers and yours is the best of all. All I can say is that you have first-class boilers, and if anybody wants a recommendation of the boiler, tell them to write to me, for your boilers are good ones. CHAS. SCHULTZ, Menominee, Mich.

### The Kroeschell Does Our Work Easier Than Cast Iron Boilers and Saves Twenty to Twenty-five Per Cent Fuel.

The No. 4 Boiler is heating 10,000 square feet of glass—it would take care of 13,000 square feet easily. Have no trouble to keep temperature of 50 and 60 degrees in coldest weather. The boiler has given perfect satisfaction. We had two cast iron boilers, one rated for 1,200 feet of pipe and one rated for 1,500 feet. These boilers never did the work at their best and when the greenhouses were new. According to our experience with yours, we will save twenty to twenty-five per cent of fuel. HILD BROS., Lake Forest, Ill.

### Cast Iron Boilers Break Down.

Have fired greenhouse boilers since 1885 both steam and hot water. Yours suits me the best. I have two of your boilers. At one time I had two cast iron boilers working together, and during a blizzard the rear section of one boiler gave out and the front section of the other sprang a crack a couple of months later. No more cast iron boilers for me. I came very close to freezing out in both instances. G. M. THOST, De Soto, Mo.


### Would Not Have a Cast Iron Boiler for a Gift Since I Tried the Kroeschell.

The No. 6 Boiler is heating my entire range. I believe it would take care of 18,000 square feet. Have no trouble to keep temperatures of 55 to 60 degrees—I could keep 80 to 90 degrees if I had to. During the coldest nights I fired at 9, 12 and 3 o'clock. The boiler has given entire satisfaction—in fact, more than I expected. Previous to this I had a cast iron boiler, but would not have it for a gift now. If I know of any one needing a good boiler, I shall recommend the Kroeschell Boiler above all. JOHN LIETZAU, Geneva, Ill.

KROESCHELL BROS. CO., 452 West Erie Street, CHICAGO, ILL.

**CYPRESS**  
IS FAR MORE DURABLE THAN PINE.  
**CYPRESS**  
**SASH BARS**  
UP TO 32 FEET OR LONGER.  
**GREENHOUSE**  
AND OTHER BUILDING MATERIAL,  
MEN FURNISHED TO SUPERINTEND  
ERECTION WHEN DESIRED.  
Send for our Circulars.  
**THE A. T. STEARNS LUMBER CO.,**  
NEPONSET, BOSTON, MASS.

**Dreer's Peerless**  
**Glazing Points**  
For Greenhouses  
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.  
The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.  
1000, 75c. postpaid. Samples free.  
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714 Chestnut Street,  
Philadelphia.



FULL  
SIZE  
No 2

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FOR Greenhouse Glazing  
**USE IT NOW.**  
**F. O. PIERCE CO.**  
12 W. BROADWAY  
NEW YORK




Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Describe a  
First-Class  
Greenhouse  
Boiler.  
Fuel capacity for the longest winter.  
Simple enough to be fool proof and conservatively rated.  
That is the  
**INTERNATIONAL**  
Empress Boiler  
to a dot.  
If you haven't one already, write us now.




**INTERNATIONAL HEATER CO., UTICA, N. Y.**

**SIEBERT'S ZINC**  
Never Rust  
**GLAZING POINTS**  
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes,  $\frac{3}{8}$  and  $\frac{1}{4}$ . 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.  
**RANDOLPH & McCLEMENTS, Successors to**  
Chas. T. Siebert. Baum & Beatty Sts., Pittsburgh.



**ALL OVER THE UNITED STATES**



**KING**  
**GREENHOUSES**

All Kinds  
**KING IRON FRAME**  
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**KING CONSERVATORIES**

We have the Equipment, Ability, Experience and Inclination to give you the best of service in any kind of Greenhouse Project.

Try Us and Let Us Figure With You

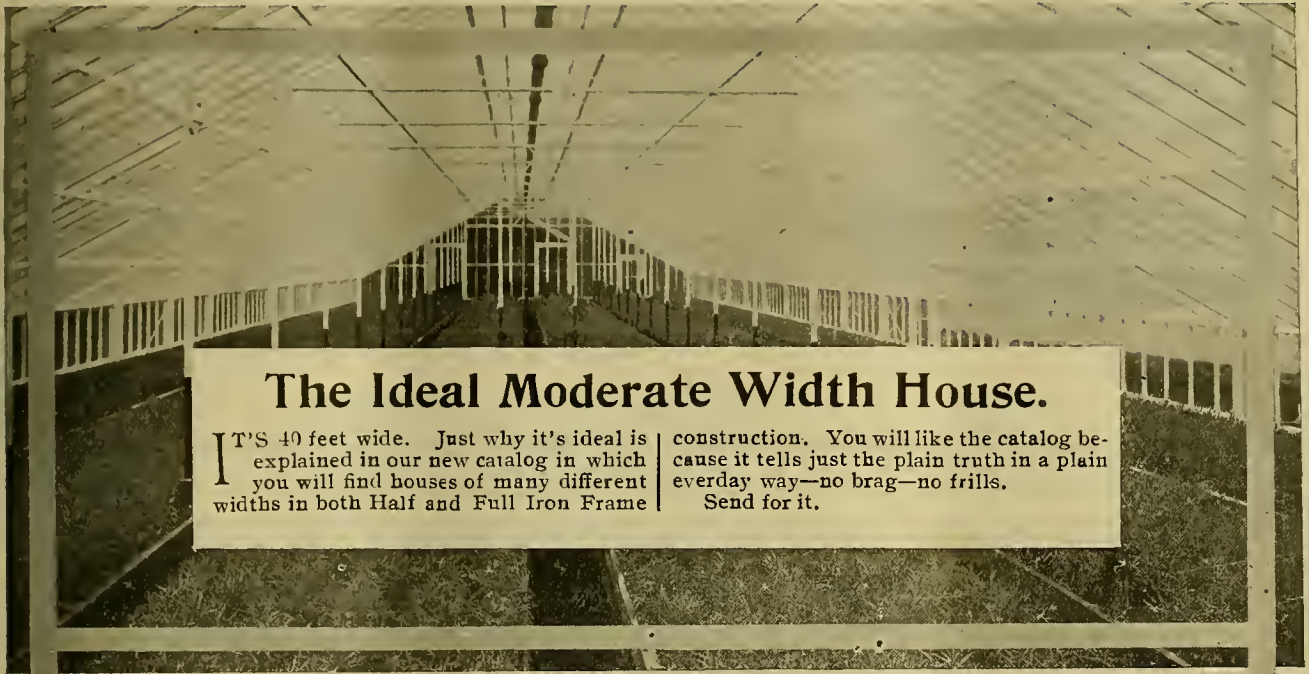
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**Attention! Glass Buyers!!**  
**GREENHOUSE GLASS**  
You will save money if you obtain our prices before you buy.  
Quality A No. 1. Prompt shipments.

**Hooker's Greenhouse White Paint**  
The most durable White Paint for this purpose.  
Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

**H. M. HOOKER COMPANY,**  
WHOLESALE GLASS AND PAINTS,  
Long Distance Phone 651-659 West Washington Boulevard, Chicago  
Monroe 4994. Near Des Plaines St.,



### The Ideal Moderate Width House.

IT'S 40 feet wide. Just why it's ideal is explained in our new catalog in which you will find houses of many different widths in both Half and Full Iron Frame

construction. You will like the catalog because it tells just the plain truth in a plain everyday way—no brag—no frills. Send for it.

**Hitchings & Co.,** Elizabeth, New Jersey

**Aphine**  
*The Insecticide that kills plant Lice of every species*

The Recognized Standard Insecticide. Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, red spider, thrips, mealy bug, brown and white scale. Universally endorsed by commercial growers and professional gardeners of reputation as the insecticide that does excel all.  
 \$2.50 per Gallon. \$1.00 per Quart.

### FUNGINE

"Actions Speak Louder than Words." So we are willing to let the merit of this comparatively new fungicide speak for itself. We claim it has no equal for mildew, rust and wilt attacking flower, fruit or vegetable plants. A trial will convince you.  
 \$2.00 per Gallon. 75c per Quart.

Aphine and Fungine are spraying materials, readily soluble in water, used at various strengths, according to directions on each can. They are equally effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Manufactured by  
**Aphine Manufacturing Co.**  
 Madison, N. J.  
 M. C. Ebel, General Manager.

*Green Flies and Black ones too*

are easy to kill with  
**The Fumigating Kind Tobacco Powder**  
 \$3.00 per bag 100 lb.  
 Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?  
 THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

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Unrivalled For All Floricultural and Horticultural Purposes

#### GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

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Black flies and green flies are easy to kill with

### "TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

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\$3 per 100 lb. bag  
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Satisfaction guaranteed or money back

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### Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

**American Florist Co.,**

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### Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

### Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequaled for all field use. Write for circulars and prices.

The Pulverized Manure Company,  
 32 Union Stock Yards, Chicago

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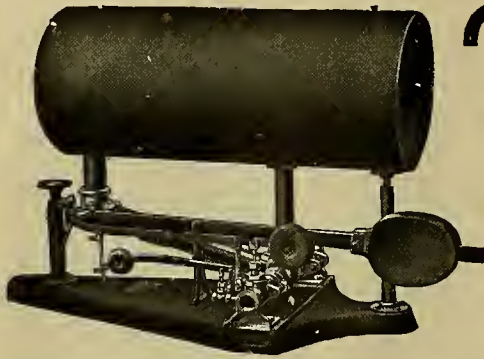
### A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

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**Where There Is Condensation**

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Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

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**SEND FOR NEW SPRING CATALOG**

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

**Peerless  
Refrigerators**

Built Exclusively for Florists

Write for Special Designs and Prices

**JAC LEDERER**

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

**SPECIAL OFFER**

That every one may know the superior qualities of the

**Mastin Spraying Machines**

We will sell for a short time F. O. B. Chicago, Ill., **Cash to accompany the order**, one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod, Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.



**J. G. MASTIN CO.**

8124 West Lake St. CHICAGO, ILL.

**"FOR THE BEST RESULTS"**

Use a Superior Return Flue Boiler for Greenhouse Heating

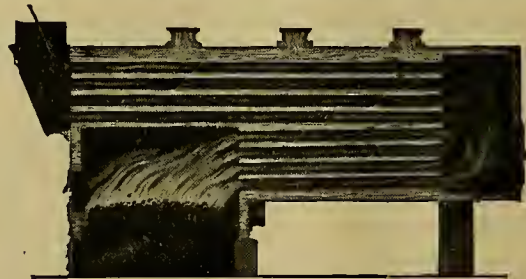
**J. Jaeger, a User, Says This About  
a No. 5 Superior Boiler :**

CHICAGO, ILL., March 12, 1912.

SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly, [Signed] J. JAEGER, 7554 Barton St.



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**Superior Machine & Boiler Works**

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CHICAGO, ILL.

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**WILKS'  
Hot Water Boilers**

ARE THE MOST ECONOMICAL

**Boiler for Greenhouses**

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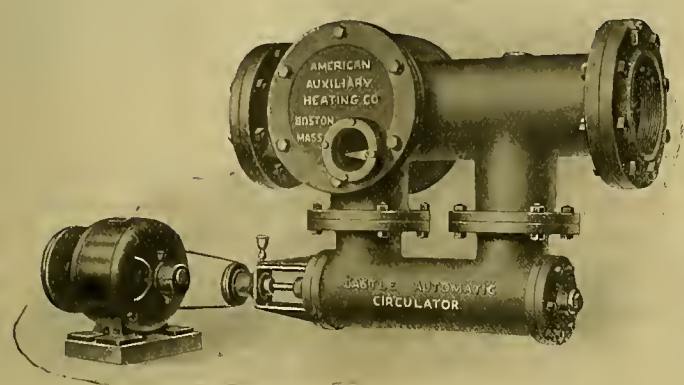
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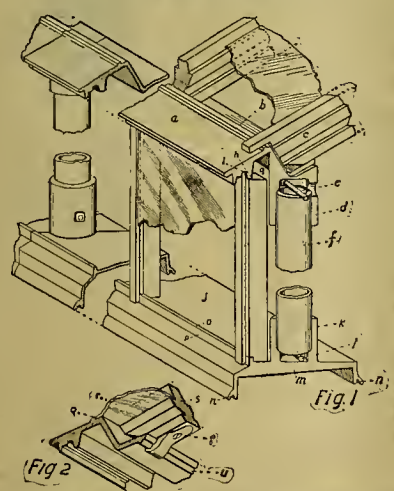
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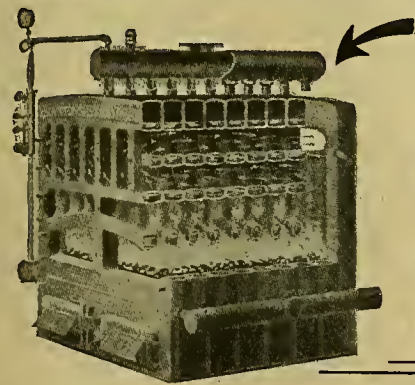
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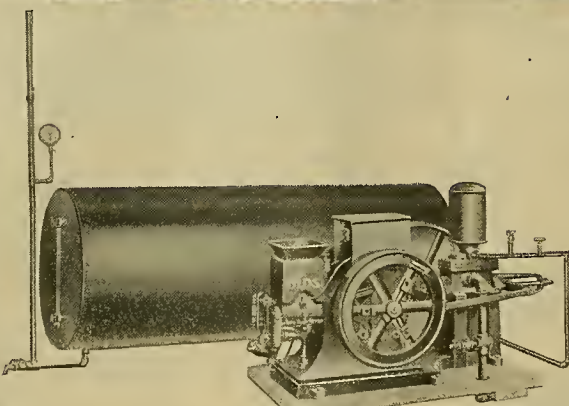


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# THE AMERICAN FLORIST



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

Vol. XXXVIII.

CHICAGO AND NEW YORK, JULY 13, 1912.

No. 1258

## THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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## SUGGESTIONS FOR PLANT GROWERS.

### Primulas.

In growing primulas one should al-  
ways keep in mind that they are cool  
growing plants and do not require any  
forcing with heat, but revel in good  
cool ventilation. The early sown seed  
should now be fine plants in 3-inch  
pots and making good growth if given  
right culture. A shaded frame is the  
best location for them, but if this is  
not to be had, the cool, airy end of the  
greenhouse lightly shaded will grow  
them very well. Water the plants  
carefully; if they are growing nicely  
they will require frequent watering,  
and if they were potted rightly will be  
benefited by a light spraying, but this  
must be done with caution or the  
plants will be knocked over and be-  
come broken if the force of water is  
too strong. Keep the plants potted up  
as fast as they need it, so as to get all  
the growth possible before the buds set  
when cooler weather comes on. Any  
flowering shoots that show themselves  
should be immediately pinched out.

### Genistas.

Keep the genistas trimmed into the  
shape it is desired to have them grow,  
by continually pinching off all long,  
strong shoots that grow away from the  
desired form. The plants can be grown  
in almost any shape, either globular or  
pyramidal, by constant pruning. They  
can also be trained to fancy forms,  
such as fans or pillars, or even to the  
shape of baskets with handles, which  
make very effective pot plants for the  
Easter trade. These plants, although  
expensive, always attract attention at  
that season of the year. A wire frame  
the form of the handle basket is fast-  
ened over the pot and as the plant  
grows it is tied down to the frame in  
such a manner that when the side  
shoots break they will entirely cover  
the frame. Two strong leaders are se-  
lected and tied over the handles. When  
the shoots reach the edge of the frame  
they are stopped and the side shoots  
immediately break all along the length  
of the growth. These side shoots are  
kept pinched back to hold the form  
until mid-winter, when the flower shoots

form, and if any of these are too long  
and stray away from the desired shape,  
they can be tied in closely so that the  
form is retained. Keep the plants  
either plunged in a frame outside or  
in a cool, airy house and syringe fre-  
quently to prevent them from becom-  
ing infested with red spider. Keep the  
plants in a cool temperature through-  
out the winter, about 45° at night until  
March, when they can be given a little  
more heat.

### Violets.

The violet plants in the field will  
need constant cultivation not only for  
the purpose of keeping the weeds down  
but also to keep the ground in a fine  
growing condition and to conserve all  
the moisture in the lower soil that is  
possible. The plants will now be send-  
ing forth numberless runners and these  
should be removed, continually keeping  
the plants to the crowns. The plants  
often will make three or four crown  
growths. These should be left upon the  
plants and only the long runners  
removed. These runners can be taken  
off with a knife but should be cut clear  
back to the point where they branch  
from the plant. If any joints are left  
on the running shoots a crop of small  
weak runners will immediately sprout,  
taking the strength of the plant. A  
careful grower can much more quickly  
and better remove the runners by pull-  
ing them out, but care must be taken  
not to disturb the roots of the plant.  
The best way to do this is to grasp the  
base of the plant with one hand, hold-  
ing it firmly in its position as grow-  
ing; take hold of the runner close to  
the plant with the other hand, and  
with a sharp pull remove the runner.  
The pot grown plants of the double  
varieties can be now planted in the  
beds inside, provided the house can be  
given plenty of ventilation both on the  
sides and at the top, but if this is not  
possible it is preferable to keep the  
plants outside until the very hot  
weather has passed. Use plenty of old  
leaf mould or half rotted leaves in the  
soil, which should be well spaded in.  
It is far too early yet to plant any of  
the single violets inside, in fact, it is

better to wait until frosty weather before removing these to their winter quarters. If planted too early they make large quantities of foliage and will not produce either as many or as large flowers as plants that are not so heavily furnished with foliage.

#### Decorative Stock.

This is the season of the year for those that have a demand during the winter for decorative stock to carefully look over the sales for the past season and the stock on hand and make preparations for the coming year. Stock can now be purchased at lower prices than in the fall and much more safely packed and shipped than after the cool weather has begun. There is also still time to root and get up a stock of small plants that will be of great use in basket work or in fern dishes. The dracenas all root very quickly at this season and a few lengths of cane cut up and inserted in the propagating beds will produce fine small stock for the centre of fern dishes. Many of the fancy leaved begonias such as *metallica*, *argenteo-guttata*, *maculata* and others of the fibrous rooted section of this species, root easily at this season and make fine small plants with which to fill up arrangements and give a good assortment for this work. Any of the older decorative plants that have not received attention should be looked over at once. The plants that are used for rental can surely be given an overhauling and there is yet two good months to obtain a good growth and to get them into condition for another season. We have never been in favor of an outdoor treatment for this class of stock, but believe advantage should be taken of the summer months to get all the growth possible and the plants in suitable shape for the winter rentals. After the growth has been made and the cooler nights have come, they can be gradually cooled down and hardened off so that they will be in condition for the fall and winter decorations.

#### Lilium Harrisi.

The bulbs of *Lilium Harrisi* for early winter blooming will soon arrive and preparations should be made to handle them as soon as they are received. They should be potted as soon as they arrive and then placed in a cold frame. They can then be brought forward as they are wanted. The bulbs can be planted either in pots or boxes and later if it is desired set out in the benches to bloom. While it takes a little longer to plant them in pots they transplant much more successfully than when disturbed in moving from the boxes. Place the bulbs for the early flowering in a four-inch pot and dig out a frame, place the pots side by side in the frame and give them a good watering, then sprinkle on the top a thin layer of sand or ashes and cover with three or four inches of soil. Place shutters on the frame to keep them dark and cool until the bulbs have made roots. They can then be brought into the houses during the fall and early winter as they are wanted.

SAVANNAH, GA.—John Wolf, the well known florist, is in Europe.

ITHACA, N. Y.—Cornell University has purchased of Arthur H. Bool, a florist and proprietor of the Bool Floral Company, his 52-acre farm on the Dryden road.

## THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

#### A Decorated Automobile.

The automobile which we illustrate was decorated for the centennial celebration automobile parade at Cleveland by the Smith & Fetters Co., and was awarded the silver cup offered by the Cleveland Leader for the best decorated machine. The car was decorated with pink roses with two shades of pink ribbon and the contrast was beautifully brought out in Mr. Smith's usual good taste. It was highly commented upon by the daily press, and the parade was declared the largest and best that has been held in any city. Mr. Smith can be seen beside the wheel of the automobile.

#### Funeral Flowers at Nashville.

The above picture shows the flowers at the funeral of the late Col. B. F. Wilson, a capitalist of the city and a brother of the late Richard Wilson, one of the great financiers and millionaires of New York City. The flowers for quantity and beauty surpassed any recent funeral flowers seen here. One of the most striking and beautiful emblems was the crepe at the door. As a foundation there was a broad bow of black crepe. Over this was hung a bow of lavender gauze ribbon and over that a bunch of lavender sweet peas and orchids dropped in a chatelaine with violet baby ribbon, the whole making a very artistic appearance. The pall was made of violet, sweet peas, valley, lilies and orchids, and was very beautiful. Cornelius Vanderbilt, who married Miss Grace Wilson, daughter of Richard Wilson,

#### Carnation Stem Rot.

Paper read by H. W. Anderson, assistant in Floricultural Pathology at the Illinois State Experiment Station, Urbana, before the Illinois State Florists' Association at Joliet, Ill., March 5, 1912.

In undertaking an investigation of the diseases of floricultural plants the writer was of the opinion that a thorough and complete study of a single disease was preferable to a more or less superficial study of a larger number of the many diseases affecting our floricultural crops. After consulting with a number of prominent florists of the state it was decided that the disease known as "soft" or "wet stem rot of carnations" was of the greatest economical importance to greenhouse men since the fungus causing this disease is also known to cause a number of other diseases of greenhouse crops.

The literature on this disease is extensive, but no thorough investigation has ever been carried out so that a certain amount of preliminary work had to be undertaken in order to confirm such investigations as had already been made. These preliminary investigations have occupied the time of the writer since the first of last July and a few of the results obtained will be given in this report although a number of experiments which have been started are not completed as yet and therefore will not be mentioned here.

There are two recognized stem rots of carnations which should not be confused. One called the "dry stem rot" is believed to be caused by a fungus of the genus *fusarium*. This same fungus, but perhaps another species, causes the drying of the lower leaves of the carnation plant so often noticed in the benches. So far as I have observed, this disease is not of any great



AUTOMOBILE DECORATED BY C. B. THOMPSON & CO, LOUISVILLE, KY.

sent a superb cross, five feet long and placed on an easel. It, too, was made of lavender sweet peas, lilies of the valley and orchids, with a gauze bow of lavender matching the shade of the flowers. Large wreaths on easels, pillows, crosses and lovely clusters made up the collection. All the florists were kept busy and all had a share in the work. M. C. D.

economical importance since only the older leaves are attacked. But the fungus mentioned above as causing the dry stem rot seems to work in the interior of the stem and to cause the death of the larger branches and often of the main stem. The stem and branches when attacked by this fungus gradually wilt and the leaves turn to a yellowish brown or about the

same color as the leaves dying at the base of a normal plant. This yellowing or dying of the branch is rather rapid compared with the other stem rot. In the dry stem rot the stem remains firm after death, although wilted and shriveled, and if pressed with the fingers the bark does not slough off while the fibers of the stem beneath the bark remain intact as in a dried or normally wilted stem. The contrast to that of the wet stem rot is marked.

The wet stem rot which has caused the carnation grower of this country so much trouble and which has so often been called the most serious disease of carnations is caused by a fungus called *rhizoctonia*. It is hardly necessary to describe the symptoms of this disease to a convention of florists since they are all only too well acquainted with it. The fungus usually attacks the plant at its crown, that is, where the stem enters the ground. It may enter at this point or lower and growing up one side of the stem may cause the death of only a single branch. This is often the case where the plants are set rather low in the soil, for example when they are finally brought from the field into the house in the fall. Usually, the first indication of the disease is a paler green color of the entire plant or of a single branch. The plant does not wilt at once for the pale bluish green color of the foliage may be noticed for a week or so before any actual wilting takes place. If one presses the stem of such a plant just above the soil between the thumb and the forefinger a soft area is usually felt and a slight twist is sufficient to slough off the bark, beneath which is usually a slimy wet area which gives this rot its characteristic name. Often, however, the stem is dry at the point of attack and upon breaking off the stem at this point the fibers of the stem are seen to be separated, giving a brush like appearance to the broken stem in contrast to the firm stem of the dry rot.

In order to obtain some definite information as to the extent of this latter disease in the state and also to get good material for our studies of the fungus itself, we sent letters to about eighty growers of the state, requesting information and material. The response to this appeal was somewhat disappointing for from these eighty letters we received ten replies and with the ten answers we received six packages of specimens. In four packages were stem rotted plants, in two carnations suffering from other diseases. Since we have seldom visited a carnation greenhouse without finding some stem rotted plants, we believe the lack of material could not have accounted for the above facts. Such material and replies as we have received, however, seem to indicate that this disease is fairly well distributed over the state and we know from other publications that it is found in most carnation beds throughout the United States.

In making an investigation of this disease, it was thought best to study the fungus causing the disease and to learn something of its methods of attack before making any suggestions concerning possible methods of control, for only too often superficial studies lead to recommendations to growers which are not only impracticable, but are often harmful. No suggestions concerning the control of this disease

will be made by us in this report aside from merely sanitary precautions which every careful grower should observe.

The organism which causes this disease is a fungus. Fungi are plants just as the carnation is a plant, but they are lower forms of plant life. We are all familiar with the rusts, the mildews and moulds all of which are fungi. This particular fungus lives in the soil and may thus live for years without causing any trouble. It is very abundant in the soil and undoubtedly is present in most green-

house in the neighborhood of the plant but not in actual contact with the stem we have found infection takes place only rarely. Thus it is evident that in the case of plants brought from the field into the greenhouse bench any injury to the stem, a bruise or cut, makes this plant all the more easily attacked by this fungus. We believe that this partly accounts for the rather heavy loss from stem rot which is usually experienced for a few weeks in the fall when the plants are brought into the house. Other factors such as shade and damp soil, both fa-



FLOWERS AT FUNERAL OF COL. B. F. WILSON, NASHVILLE, TENN.

house bench soils. The question naturally arises: "If this fungus is so universally present, how can we raise any plants at all since it surrounds all the plants in the bench?" There are a number of factors involved in the answer to this question and our experiments are not yet completed along this line.

An experiment to prove that this fungus was the real cause of the disease was undertaken. This experiment showed that when the stem below the soil is injured so as to expose a portion of the stem beneath the bark and the fungus placed in contact with this exposed area, the plants always die from the typical stem rot disease. On the other hand, if plants are so injured and no fungus is added to the soil, the wound heals over and in a few weeks only a callous can be seen at this point. If the fungus was put in direct contact with a healthy uninjured stem it was found that about 75 per cent of the plants died from typical stem rot, while only 25 per cent remained healthy. But in this case the fungus was very much longer in attacking the stem than when it was injured. These plants were old plants and in vigorous condition, but the soil was kept a little damper than in the benches under ordinary cultural conditions. In the few cases where we have merely placed the

vorable for a rapid and vigorous growth of the fungus, have their influence also during this period. Our experiments further show that when a plant suffers from stem rot it is an indication that the fungus is abundant in that neighborhood. Further, a rotted plant is a good pasture for the fungus upon which it can gain renewed energy and from which it grows out into the surrounding soil in greater abundance and renewed vigor. For this reason, plants attacked by the stem rot fungus should be immediately dug up, the soil in the area up to the neighboring plants should be carefully removed and taken entirely out of the house. Very often several plants adjacent in the bench are seen to follow a single stem rotted plant. This may often be prevented by the above treatment. Further, moisture is necessary for a rapid spread of this fungus. In the drip of an angle in one of the station greenhouses four plants were seen to follow each other in rapid succession all dying within the course of two weeks. Experiments in the laboratory confirm these observations in nature.

There is one peculiar condition in the life history of this fungus that is of such great, economical importance that we will lay especial stress upon it at this time. This fungus, so far as we know now, never produces spores. Spores are the seed of fungi which are

usually much more resistant to drying, freezing and other adverse conditions than the vegetative part of the fungus. Just as you keep your seed over winter in a dry condition which would be fatal to the plant so the spores of the fungi are able to pass long periods of drought and are again able to germinate when placed in moist conditions. Furthermore, these spores or seeds are usually produced on the aerial part of the plant so that the draughts of air scatter thousands of them throughout the house or over the field. Also they are caught on the hands or tools of the workman or on the bodies of insects and so spread abroad to infect other plants. This is the way the rust is spread—the red masses seen on the leaves consisting of thousands of spores. Also the dry stem rot, the spores of which form a pink mass, is spread in this manner. But in the case of the rhizoctonia or wet stem rot no such "seed" is produced and while it is always advisable to use care in removing a plant from the house no great precautions are actually necessary in the case of this disease. As mentioned before, the removal of as much dirt as possible along with the rotted plant is the essential precaution. The fungus spreads by growing through the soil. But this fungus has certain bodies which take the place of the spores in some particulars. If the stalk of a stem rotted plant is carefully examined many little black or purple specks may sometimes be observed in the crevices of the bark or just under this bark next to the "wood" of the plant. These specks vary in size from half the size of a pinhead to a flat cushion like mass  $\frac{1}{4}$ -inch in diameter. These bodies called sclerotia, are made up of more

or less resistant cells which have the power of germination just as do the spores. They are often found in the soil independent of the plant and may here be much larger than those next to the stem of the plant. These bodies are in a resting condition and do not germinate except in the presence of abundant moisture. To determine just how resistant these bodies are to drying, heat and chemical reagents is the purpose of a series of experiments now being carried out in our laboratory but not yet completed. Two things are established beyond any doubt whatever: First, the cells of these bodies will not germinate after drying in the open air for several weeks; second, freezing has no harmful effect on them since they will germinate after being frozen for several days.

Among other experiments we have attempted to determine the effect of this fungus upon cuttings. In this experiment the sand was thoroughly inoculated with the fungus shortly before the cuttings were introduced. Cuttings placed in such sand were at once attacked at the cut surface and on the stem where the leaves have been stripped from the node. No chance is given for the formation of a callous or of rootlets so that the cutting soon wilts and dies, resembling in external appearance those cuttings which are not firmly fixed in the sand and therefore wilt in a few days after being placed. Upon closer examination, however, the brown threads of the fungus can be seen covering the lower part of the cutting and often a sclerotium is formed on the cut end of the plant.

It is well known that this fungus often causes damping off of various seedlings, but what part it plays in

the damping off of carnation cuttings is yet to be determined. We will be especially glad to receive cuttings suffering from the effects of the "cutting bench fungus" or "damping off." There are several kinds of fungi described as the "cutting bench fungus" and we are anxious to determine what forms are most harmful in this state.

In concluding our report on this particular disease, we will mention a few of the experiments which are being carried out but not yet complete.

1. A determination of the resistance of the sclerotia to various physical and chemical agents.

2. Effect of various methods of soil sterilization both upon the carnation plant itself and upon the fungus. It may be said in this connection that sterilization by steam easily kills the fungus in the soil but so changes the soil that the carnation does not make a normal growth. It is expected that other methods of soil sterilization will overcome this difficulty.

3. Various strains of this fungus taken from plants other than carnation are to be tested in regard to their effect upon the carnation.

4. The infection power of this fungus upon the carnation in various stages of its growth is being investigated.

5. The various physical conditions supposed to increase the virulence of this fungus or the susceptibility of the plant will be considered in a series of experiments.

6. A continuation and duplication of the experiments mentioned in the body of this paper is considered necessary.

Aside from the wet stem rot of carnations which has taken most of our time we have undertaken minor inves-



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.  
Foliage Stove Plants Exhibited by James Veitch & Sons, Ltd., Chelsea, London, Eng.



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.

Carnations Exhibited by C. Engelmann, Saffron-Walden, Essex, Eng.

tigations on less important carnation diseases.

One disease, the cause of which is not yet known, has been especially destructive to the foliage of the Pink Enchantress in the Station greenhouse. On the leaves of many of these plants pale green areas, circular in form varying from 1-16 to  $\frac{1}{4}$  inch were first observed some weeks ago. These areas became more sharply defined and turned to a yellowish green and finally to a yellow color. They also enlarged and elongated. The epidermis over the younger spots remained unbroken and the leaf was normal but later the tissue beneath these areas collapsed and soon the epidermis became yellow and broken. As a result of these many diseased areas the leaf often wilted and shriveled up. At first this was thought to be the disease known as "Stigmonose" or "Bacteriose" but samples of the plants sent to the authority who worked out the cause of the above disease, brought the answer that it was not the same disease. Further observations on these plants reveal the fact that many of them had been attacked by red spider, but whether this was the cause of this peculiar disease or not, we will not attempt to say at this time. We attempted to transfer this disease to other plants but failed. No fungus or bacterium could be found associated with it. Cuttings from plants so affected died before they had a chance to form roots. This point will be investigated further.

Another disease sent me by a well-known florist has been received from two other sources since. The carnation plants suffering from this disease have an unusually large stem from the branches down and there are often swellings or tumors—rough, wart-like bodies arising from the stem near the surface of the ground. These tumors remind one of the "galls" in the disease known as the "crown gall." But not all plants have these galls although affected by this disease. The roots of these plants are unusually large and stalky but when broken they reveal a brown rotted area in the center which extends from the end of the roots up to the main stem. A cross section of the stem also shows a brown rotted area beneath the bark and often extending well into the wood of the stem. The cause of this disease was not determined since at the time of receiving these specimens our laboratory was not yet equipped with apparatus necessary for this sort of work.

The two diseases of carnation given above are of especial interest to us since they have been described and they may later become of great economic importance to the carnation growers of the state. For this reason we would appreciate material or information concerning these troubles. Especially would we like some plants sent to us suffering from either of the above diseases.

Diseases of various other plants have been given attention in our lab-

oratory but for the most part these have been either local or well known diseases and we have answered inquiries concerning them by letter. A disease of palm (*Kentia Belmoreana*), due to a fungus called *gleosporium* which caused a rotting off of the plant at the surface of the ground was of especial interest.

Our laboratory is now fully equipped and we desire material of all sorts from the florists of the state. Our desire is to become acquainted with your troubles and although we cannot promise instant relief we hope to be able to give you definite information upon which you can depend. All material sent to us should be packed in the same manner you would prepare cut flowers for shipment. We concern ourselves only with diseases due to fungus attacks, but plants will be examined and if we believe the trouble is due to insects we will place the material in the hands of the entomologist who will answer your inquiries. Material may be sent by express at our expense.

CLINTON, MASS.—Alfred P. Meredith, who has been gardener for the Nathaniel Thayer estate in Lancaster for the last sixteen years, has purchased the florist business of Edward W. Breed. Mr. Breed still retains the ownership of the landscape gardening and nursery departments of his business and will devote his entire time to them. Mr. Meredith will associate with him his son, A. P. Meredith.

## FLORISTS' FERNS.

### Potting Young Stock.

Those who handle large quantities of ferns for table ferneries find plenty of work to do during the summer, for it is at that period that the seedling stock is ready for potting off, and this work is rather more tedious than the potting of cuttings from the propagating bench. In the first place, the young ferns have to be lifted from the pans or flats in which they have been growing, and then carefully divided, in order to break the tender roots as little as possible. This work should be done in a shady place, and one that is not too much exposed to the wind, for the young ferns wither quite easily, and if this takes place the plants will be much longer in becoming established. Then they require moderately firm potting in small pots, and to be set away and watered as rapidly as possible after potting, some growers using frames covered with shaded sash for the ferns during the summer, while others having space for the purpose place them in the greenhouse.

Either method will produce good table ferns provided they are given proper care, the greenhouse having the advantage before the ferns are established, but the frame providing the best conditions for a short and stocky growth afterwards. A good coating of fine coal ashes on the benches or in the frame is the cleanest material upon which to set the pots, and also retains the moisture and helps to keep the roots cool, a condition that benefits the young plants very much at this season. Watering needs careful attention, that the soil may be kept damp without getting soggy, for a sour soil will discourage even so sturdy a fern as *Pteris Cretica* while the plants are in the seedling stage. Thrips sometimes attack the young ferns during the summer, but may be disposed of by the use of moderate doses of nicotine, either in the form of spray or by fumigating at intervals of a week or so.

A sufficient variety of table ferns are needed that one may vary the arrangement of the various ferneries that come in for filling, for customers sometimes tire of having the same arrangement of plants for the table month after month, but yet the varieties that are most in demand do not make a very long list, nor have the changes in the list been very frequent of late years. Several *Pteris* in varieties from the *Cretica* and *serrulata* types are among the most useful, and for broad-leaved effects *Pteris adiantoides* and one or two of the *Cyrtomiums* are excellent, while *Aspidium tsussimense* is still such a favorite that many people are well satisfied to have their ferneries filled with this beautiful and enduring fern only. Some few buyers may demand maidenhair ferns and of these *Adiantum cuneatum* is the most satisfactory; but this fern will not stand the hardships that some of those mentioned above will readily endure, and it is therefore safer in most cases to recommend the hardier sorts for this use.

The various *Nephrolepis* will also be growing rapidly at this season, and will endure full exposure to the sun if given enough water and air but when

grown in houses of the old type, in which the ventilators are few and far between, it is safer to give the plants a light shade. It is not yet too late to pot off runners of the *Nephrolepis*, either for fall sales or for growing on, many small plants of these ferns being utilized in 3-inch pots and upwards during the winter months, especially in the dwarf forms, such as *N. Scottii* and *N. Scholzelii*. If one requires a quick growth on *Nephrolepis*, the mixture of some spent hops in the soil as a fertilizer will help, but the plants so grown are liable to be somewhat softer in the foliage than those that are fertilized with old stable manure the hops containing a slight excess of nitrogen. Plants plunged in hops in a slightly shaded frame will make a tremendous growth during the summer, but will not wear quite so well when placed in a dwelling as those that are grown in the full light in the greenhouse and without the hops. W. H. TAPLIN.



Phillip F. Kessler.

Chairman New York Florists' Club Outing Committee.

### New York Florists' Club Outing.

There were nearly four hundred persons on the steamer "Isabel" when she left East Twenty-fourth street Tuesday morning at 10:30 o'clock. The passengers were members of the New York Florists' Club on their annual outing. The committee in charge of the arrangements, of which Phillip F. Kessler was chairman, deserve much credit for the successful manner in which all details were arranged and carried out. The weather was very favorable and the "Isabel" went direct to the grove this time instead of making the long sail up the Sound as in former years. After a group photograph of the party had been taken, all adjourned to the large dining room for breakfast. P. O'Mara in a few witty remarks called attention to the recent wedding of President Joseph A. Manda, stating this was a sort of wedding breakfast for Mr. Manda and his bride. The happy couple were showered with rice, but "Joe" could not be induced to make a speech. Charles H. Totty, Harry A. Bunyard and John Young were the judges of the girls',

boys' and ladies' races. The bowling was in charge of Louis Schmutz, Jr. After dinner had been served a very enjoyable trip home was made and it was the unanimous opinion of all present that it was one of the best managed "outings" of the club and one of the most enjoyable. The committee responsible for the success of the affair was composed of Philip F. Kessler, chairman; Charles Schenk, Louis Schmutz, Jr., E. Schloss, P. J. Smith, W. E. Marshall, A. Demeusey, Jr., A. Kakuda, Bert Chadwick, F. W. Wagenfohr, O. V. Zangen, Jno. A. Rossbach and W. R. Cobb. Following is a review of the sports and the winners of the different events:

Children's Race, girls and boys under 3 years, 50 ft.—Jack Traendly, first, \$3; Albert Miesem, second, \$2; Edith Kronsmith, third, \$1.

Girls' Race, 4 years, 25 yds.—Martha Schmutz, first, \$3; Isabel McMullen, second, \$2; Ruth McMullen, third, \$1.

Girls' Race, 5 years, 25 yds.—Ethel Amos, first, \$3; Ethel Kessler, second, \$2; Margaret Smith, third, \$1.

Girls' Race, 6 to 8 years, 35 yds.—J. Einsman, first, \$3; Evelyn Amos, second, \$2; Dorothy Rassbach, third, \$1; Evelyn Richards, fourth, \$1; Dorothy Bolles, fifth, \$1.

Girls' Race, 9 to 11 years, 50 yds.—Emma McMullen, first, \$5; Emmeline Kessler, second, \$3; Agnes Dunbar, third, \$2.

Boys' Race, 4 years, 25 yds.—Ed. Einsman, first, \$3; Jim Cerbelli, second, \$2; Jack Traendly, third, \$1.

Boys' Race, 5 to 6 years, 35 yds.—Willie Einsman, first, \$3; Chas. Traendly, second, \$2; F. Einsman, third, \$1.

Boys' Race, 7 to 9 years, 50 yds.—Chas. Miesem, first, \$3; Robert Morrissey, second, \$2; Leonard Guttman, third, \$1.

Boys' Race, 10 to 12 years, 75 yds.—Laurence Einsman, \$3; Geo. Walter, second, \$2; Chas. Manker, third, \$1.

Boys' Race, 13 to 14 years, 100 yds.—Irwin Einsman, first, \$3; Herbert Jacobson, second, \$2; Wm. McMullen, third, \$1.

Girls' Race, 12 to 14 years, 50 yds.—Elizabeth Manker, first, \$5; Agnes Kessler, second, \$3; Barbara Miesem, third, \$2.

Girls' Race, 15 to 16 years, 75 yds.—Anna Miesem, first, \$5; Mary Einsman, second, \$2; Alice Her, third, \$2.

Boys' Race, 15 to 17 years, 100 yds.—P. J. Walter, first, \$5; Fred Pepper, second, \$3; Wm. Manda, third, \$2.

Girls' Race, 17 to 20 years, 75 yds.—Helen Ehrhardt, first, \$5; Anna Hughes, second, \$3; Elinor Vocke, third, \$2.

Potato Race for Girls, under 15 years—B. Munn, first, \$3; E. Schmutz, second, \$2; B. Miesem, third, \$1.

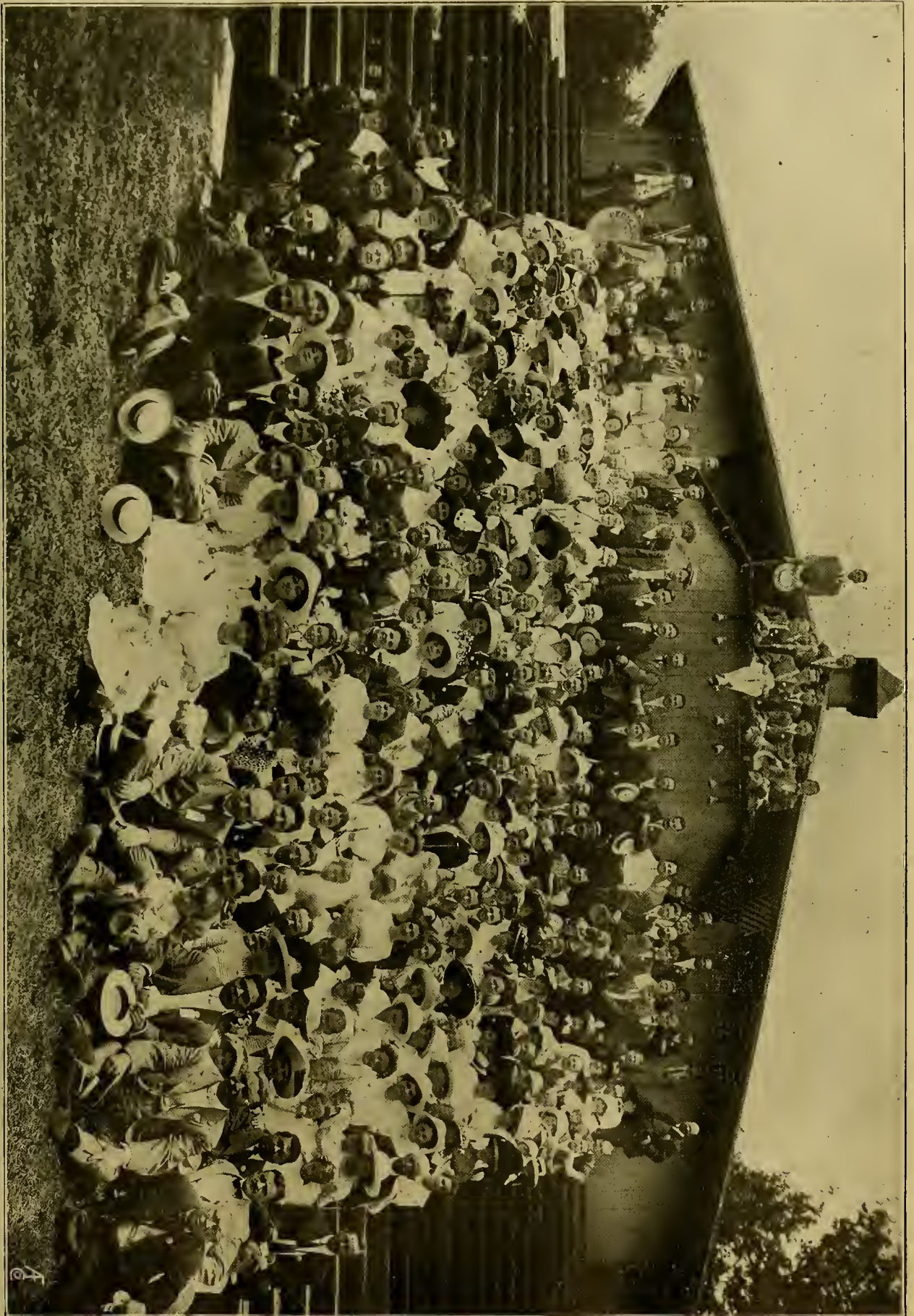
Young Men's Race, 18 to 20 years, 100 yds.—Chas. Walter, first, \$3; Chas. Bogart, second, \$2; E. Manda, third, \$1.

Potato Race for Unmarried Ladies—Anna Hughes, first, \$3; Miss Vocke, second, \$2; Miss Her, third, \$1.

Potato Race for Married Ladies—Mrs. Engel King, first, \$3; Mrs. Kingston, second, \$2; Mrs. Turner, third, \$1.

Married Ladies' Race, 50 yds.—Mrs. A. P. Cain, first, \$5; Mrs. Harry Turner, second, \$3; Mrs. Handel, third, \$2.

Young Ladies' Race, 15 to 20 years—Anna Miesem, first, \$2; Helen Ehrhardt, second, 1 bolt ribbon; Mary Einsman, third, \$1.



NEW YORK FLORISTS' CLUB ON THEIR ANNUAL OUTING AT WITZEL'S POINT VIEW GROVE, COLLEGE POINT, L. I., JULY 2, 1912.

A

Unmarried Ladies' Race, 20 years and over—Alice Gaynor, first, 1 bolt ribbon; Miss Coon, second \$2; E. Kessler, third, \$1.

Growers' Race, owners of their own greenhouses, 50 yds.—John Donaldson, first, 20 ft. iron greenhouse gutter, value \$10; Henry Hession, second, \$3.

Growers' Race, open to all, 50 yds.—E. Manda, first, 50 ft. electric hose, value \$10; John Donaldson, second, \$3.

Race for Retail Florists and Employes, 100 yds.—T. A. Mills, first, \$5; H. Crocker, second, \$3; D. Scott, third, \$2.

Men's Race, for members only, 100 yds.—E. Manda, first, \$5; A. Demeusy, second, \$3; John Donaldson, third, \$2.

Race for Wholesalers only, 50 yds.—P. Kessler, first, \$5; M. L. Glass, second, \$3; A. J. Guttman, third, \$2.

Fat Men's Race, 175 pounds and over, 50 yds.—F. Smith, \$5.

100 yd. Dash, for Greeks—Kokonas, first, \$5; Carlates, second, \$3; Fellow-ris, third, \$2.

Seedsmen's Race, 100 yds.—E. Boylan, first, \$5; S. Dennison, second, \$3; R. J. Irwin, third, \$2.

Men's Race, for members only, 50 years or over, 50 yds.—John Donaldson, first, \$5; E. N. Holt, second, copy Florists' Manual, value \$5.

Race for Ladies over 25 years, married and unmarried, 75 yds.—Mrs. Engel King, first; Miss E. Kessler, second; Miss Dauman, third.

Growers' Race, over 25 years, 50 yds.—John Donaldson, first, 25 ft. Revero hose; H. Hornecker, second, 25 ft. Revero hose; F. Smith, third, \$3.

Growers' Race, under 25 years, 50 yds.—E. Manda, first; H. Hession, second; Demeusy, third.

Men's Race, open to all, over 21 years, one-quarter mile—Engle King, first, \$5; S. A. Mills, second, \$3.

Sack Race for Young Men 25 yds.—Jack Sternberg, first, \$3; Engle King, second, \$2; C. Andrews, third, \$1.

Three-legged Race, 25 yds.—Walter Wathe, first, \$3; H. Manda, second, \$2; B. Jacobs, third, \$1.

Shoe Race for Boys, under 15 years, 25 yds.—Wm. McMullen, first, \$3; Jackson, second, \$2; W. Manda, third, \$1.

Race for Employes of Wholesalers only, 100 yds.—M. Nagle, first, \$5; B. Jacobs, second, \$3; J. Sternberg, third, \$2.

Press Bowling—J. H. Pepper, first; John Young, second; J. Austin Shaw, third.

Drawing for one Florentine Princess Basket (ladies only), value \$25—Miss Hession.

Ladies' Bowling (to be contested for by wives of members in good standing only)—Mrs. Wagenfohr, first, \$20; Mrs. Traendly, second, \$10; Mrs. J. A. Manda, third, \$5.

Ladies' Bowling (open to all ladies), four \$5 prizes—Miss Buckholtz, Mrs. Getty, Mrs. Guttman, Mrs. Miller.

Youngest Girl Baby prize—Miss Niessel.

Oldest Lady prize—Mrs. Traendly's mother.

Prize of Largest Family, represented at the outing—Phil. Einsman, family of 11.

Special Prize for Ladies (50 years and over)—Mrs. Sheridan, first, silk umbrella valued at \$3; Miss O'Mara, second, silk parasol valued at \$3.

Gentlemen's Bowling—Protin, first,

\$7; De Forest, second, \$5; Holt, third, \$3; Totty, fourth, \$2; Einsman, fifth, \$1; Glass, sixth; C. H. Totty, \$5 in gold for making the most strikes.

### The Green of the Garden.

It is during summer droughts, when the green of the countryside is scorched and faded into brown, that we realize the true value of the color, which can still be observed in perfection in well-kept gardens. Without derogating from the merit of gay flower hues, or the brilliance of white blossoms under sunshine, it may be claimed that green is the tint we could least do without, says a writer in London Gardeners' Magazine; when the sun rises the pale greens of lawns, hops, primroses, calendulas, sunflowers, and countless others, take on a flush of rose that the grey-greens of the sweet peas, centaureas, and pinks cannot receive; when the sun sets even dark ivy will blush to a copper hue, and evergreen oaks and firs glow crimson.

Refinements of choice in planting trees and shrubs should be more practiced; before the season comes for new introductions, we should do well to ponder over the nature of leaves, even as to texture and substance. A dusty high-road garden will not look refreshed during dry weeks if the foliage in borders and on walls is of the dull or rough-surfaced order; climbers and shrubs are needed of shining quality from which a slight shower, or the morning dew, is sufficient to detach the dust. Mossy saxifrages, violets, and Veronica spicata alba are instances of plants upon which dust seems reluctant to lie. A north garden, that receives scarcely any sun from the sides, requires the gayest of greens to cheer it, and, fortunately, the primrose family, and the summer calceolarias and tobacco plants, that will thrive in it, supply this. A pale green ivy is the best wall climber, but the Snowberry Tree (*Symphoricarpos racemosus*) can be trained against brick, and will offer several of the loveliest effects, the pea-green of early spring, the pink coral-suggesting blossom, and white cherry-shaped fruit in abundance.

A dank, dark garden often suffers in these respects because the climbers and shrubs, trees, even the tall plants are too uniformly heavy-foliaged. It should be remembered that one leaf of a nearly black-green ivy gives denser shade than a dozen leaves of a light verdant variety through which sun-color penetrates. Similarly, a small laurel bush has a more darkening influence than a tall tree of beautiful guelder rose, with its yellow-green leaves and branches, that sway and part under each breeze.

When gazing over a distant landscape how vividly do special fields or plots stand out from others by their colors. We may call cabbages green, but their massed effect is pale blue, plantations of peas are a deeper shade, young wheat a grandly joyous yellow, but most verdant of any expanse will be a field of trained raspberries, or loganberries, such as may be seen upon the Sussex Downs, where slopes look south to the sea. In gardens immense care should be taken to locate striking green shades where they will not clash with others, or where they can form charming contrasts.

One illustration of the use of foliage edgings may be suggested: mossy saxifrages and thrift, violas and primroses or polyanthuses, will never be quite satisfactory round lawn beds, because the contour of those beds will be obliterated by the union of green leaves with green grass, whereas for gravel-cut beds, or those against stone or brick walks, they are ideal subjects; in beds in turf the use of grey-green, blue-green, silver, or gold foliage edgings and carpetings is infinitely more artistic, and allows the handsome shapes to be clearly defined.

During summer countless evergreen and deciduous shrubs and climbers can be quickly propagated by layers and cuttings. A survey of the garden should be made and sites marked where the green either needs adding to by young stuff, or lessening by winter removals.

Half the secret of good preparation for winter bedding is the cultivation of plants, also miniature shrubs, that will present an evergreen appearance; most of the hardy campanulas carry their leaves throughout the year; wallflowers, hardy stocks, pansies, pinks, sedums, heucheras, irises, arabises, hypericums, vincas, and double red and white daisies are of this nature.

The summer care of foliage is an important task. Evening syringings should be given to palms and all the leaved beauties of the beds, also to the too frequently neglected wall and trellis climbers, while any roadside beds or borders that have suffered from dust can, by a sprinkling through a fine-rosed can, be restored to their pristine excellence.

Each year sees foliage bedding-out displays more valued, but in innumerable cases the pattern designs made with leaf yellows, reds, pinks, maroons and silvers would be greatly softened in effect if the true green of *Herniara hirsuta* and the curled saxifrages had been freely added.

KOKOMO, IND.—W. W. Coles is at his summer home at Oden, Mich., with Mrs. Coles and family.

PHILADELPHIA, PA.—The Robert Craig Co. of Norwood will soon erect eight greenhouses, each 50 by 100 feet.

VINCENNES, IND.—W. A. Reiman attended the annual meeting and exhibition of the American Peony Society at Ithaca, N. Y., June 19-20.

NILES, O.—Fire wrecked the greenhouse of Charles Adgate recently. The building was almost totally destroyed. How the blaze started is a mystery.

GREENPORT, N. Y.—The Harlowarden greenhouses, owned by I. Merwin Raynor, were sold June 29 at public auction to satisfy creditors. The purchaser was J. Clarence Wells, of Brooklyn.

JAMAICA PLAINS, MASS.—Robert Seaver was the winner of five first, three second and one third prize for roses at the annual rose, peony and strawberry exhibit of the Massachusetts Horticultural Society.

MADISON, N. J.—Madison florists are interested in a plan to catch and domesticate one hundred hummingbirds and turn them loose in greenhouses to exterminate the insects and aid in cross-fertilization. The experiment will be made by Miss Katherine E. Dolbear, a student at Clark University.



## OBITUARY.

### William Robertson Smith.

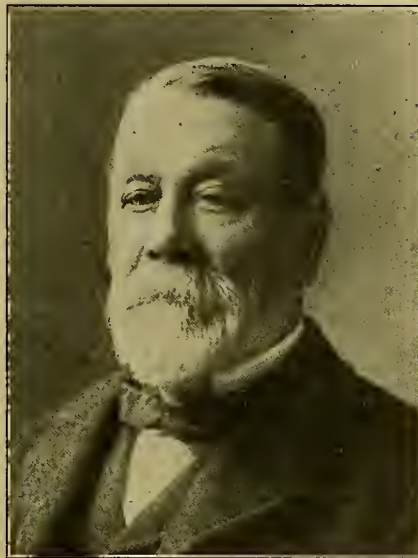
William Robertson Smith died at his cottage home in the United States Botanic Garden, Washington, D. C., at 1 a. m., July 7, aged 84 years. He had been ill for about six months. While heart disease, as attributed by his physicians, caused the end, there had been for some time a general breaking down incidental to old age.

William R. Smith, eighth president of the Society of American Florists, was born in the village of Athelstoneford, Haddington, a town fifteen miles from Edinburgh, Scotland, in 1828. His parents died during his early childhood and he served his apprenticeship as gardener near the village where he was born. His desire for education, however, was a paramount characteristic and in order to obtain this he walked three times a week from St. Andrews to Mount Melville to attend night school. After serving his time of apprenticeship, he worked as journeyman on the estates of several Scotch noblemen, among them being the gardens of Lord Elcho, near Haddington, and then, to complete his education in his chosen calling, went to Kew Botanic Garden. In 1853, at the age of 25 years, he left his native land and came to America, a stranger in a strange land, but with indomitable pluck and courage and well recommended by his former employers. He first found employment at Philadelphia and served a short time on the estate of Mr. Dundas, then a famous place. The Botanic Garden had just been established at Washington and three small greenhouses had been erected on what was at that time a swamp, and were in charge of W. D. Breckenridge. These contained the rare plants collected by the Wilkes exploring expedition and that was about all, but here he was induced to go by Robert Buist, the eminent plantsman of Philadelphia. The following year Mr. Breckenridge was promoted to the position of landscape gardener of the public grounds, and a special appropriation having been made for the garden, Mr. Smith was appointed superintendent in 1854, which position he had held ever since. Under his direction the growth of the Botanic Garden, its importance to the country in furnishing rare plants to every section, in determining by practical experiment the species most suited to different climates and the making known those that are most suited for shade trees in the cities, are strong testimonials to his industry and devotion to his work. This swamp, where he first began his labors, has been transformed through his efforts until it is one of the show places of the Capital city.

When the Society of American Florists was founded Mr. Smith was one of the earliest to enroll his name in its membership, joining in 1886, the second year of its existence, and became one of its most ardent supporters and a constant attendant at the conventions. In 1891, at the convention held in Toronto, he was unanimously chosen vice-president of the society. In placing him in nomination Ex-President Craig said of him as follows: "From the very inception of the society this gentleman has manifested the warmest interest in its welfare. With an enthusiasm worthy of emulation by the younger members he has missed no convention and no meeting. He has always been ready to advise and to counsel with the active members of the society and they have found his counsel always valuable." The following year he was elected president of the society, again unanimously. He immediately began his efforts to obtain a national charter for the society and he labored indefatigably to accomplish

that object. His acquaintance and friendly relations with the government officials he brought to his aid and at first succeeded in getting the act passed only to be vetoed by the president, but after nine years of constant effort the charter was obtained and to the labors of Mr. Smith more than anyone else the society today owes the ability to perform its acts under a charter granted by the national government, which was signed by President McKinley in 1901.

Of commanding presence, standing all of six feet in height, unobtrusive dignity, a most genial companion, an accomplished story teller and full of wit, Mr. Smith quickly ingratiated himself with those that he came in contact and his friends were legion, among whom were presidents, statesmen and other distinguished men of the day. His fund of stories and anecdotes of prominent men were inter-



The Late William Robertson Smith.

estingly told and would entertain a party of friends by the hour. Well versed in plant life and botany it was a great pleasure to him to impart that knowledge to those who sought it and many an attendant at a flower exhibition has been regaled and informed of flower secrets by one whom they did not know when he found them seeking information.

Always regarding America as his home and believing fully in the land of his adoption, yet he never forgot the land of his birth, and was always a friend of the Scotsman, and an ardent lover and admirer of the immortal Robert Burns. While a lover of good books and the possessor of a large library, containing professional, historical and biological literature, yet as he has said, "it was especially a paper monument to his beloved Robert Burns." It contained 600 editions of and bearing on Burns, nearly 5,000 volumes. Of every book that Burns owned (he had ninety pounds sterling at his death) and of every book which he borrowed or loaned, a copy was in this library with but few exceptions. He not only possessed these but they were all carefully read, and he could quote any of Burns' writings at call.

The funeral took place at the Scottish Rite Cathedral, Third and E streets, n. w., Washington, D. C., Tuesday afternoon, July 9, at 2:30 o'clock. The burial services at the cathedral were conducted by the Scottish Rite bodies, of which he was a member, he being a thirtieth degree Mason. Interment was in Rock Creek

cemetery. The commitment was by Washington Centennial Lodge No. 14, F. A. A. M., Wallace Streater, Worshipful Master, officiating. All funeral arrangements were directly in charge of Wm. F. Gude, a long-time friend and companion of Mr. Smith. Mr. Gude some years ago accompanied Mr. Smith on a visit to the latter's warm friend, Andrew Carnegie, at Skibo Castle, Scotland. Immediately on the death of Mr. Smith a cablegram was sent by Mr. Gude to Mr. Carnegie. His very complete Burns library was willed to Mr. Carnegie, but it is understood that it will remain in Washington.

### Robert Craig's Tribute.

As a youth Wm. R. Smith was studious and anxious to acquire knowledge. While in England he frequently acted as an assistant to the famous Charles Darwin, who made many observations of plant and insect life. He was one of the three commissioners of street tree planting and helped to make Washington the most beautiful of American cities. Every city should have such a commission to secure harmonious and intelligent planting. When he went to Washington the neighborhood of the Botanic Garden was a swamp and fever and ague were very prevalent. The late Thaddeus Stevens of Pennsylvania introduced the bill granting him an appropriation which enabled him to drain and fill up the ground to the great improvement of the health of the locality.

"The grand old man of horticulture" as Wm. R. Smith was popularly known in America, has passed away after a very active life of more than fourscore years. He had a great intellect and absolutely the kindest heart of anyone I have known. In his work at Washington he became intimate with nearly all the famous men who have guided the political destiny of the nation in the past half century. His great mind, his scholarly attainments, his uniform courtesy and tact—for he was a diplomat of a high order—gave him great influence with the men who were in a position to help him in his work, which he pursued so constantly and enthusiastically, from pure love of it, and not for any hope of pecuniary gain. His greatest pleasure was derived from the distribution of rare shrubs and trees to all parts of the United States. The good work he has done in awakening a sense of the beautiful in plants and trees cannot be estimated. A great horticultural authority told the writer that what astonished and interested him most in a trip along the Pacific coast, from Seattle to San Francisco, was the great number of collections of valuable trees and shrubs he found in out-of-the-way locations, of which, he was invariably told, the nucleus had been sent from the Botanic Garden at Washington. The results of his work will long keep his memory green and the love of beauty which he kindled in so many will be transmitted to countless generations. He is one of the immortals. ROBERT CRAIG.

### Charles E. Brinton.

Charles E. Brinton, a member of the floral firm of George W. Brinton & Sons of Wilmington, Del., died suddenly as a result of Bright's disease at Benton, Arizona, June 30. He was a son of the late Geo. W. and of Martha Brinton and was 51 years old. He had gone West a year or more ago for his health. Mr. Brinton was unmarried.

CORTLAND, N. Y.—Claude G. Ryan and Miss Gladys Leslie Northway were married June 27. Mr. Ryan is the junior member of the firm of A. E. & C. G. Ryan, florists.

# THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application. From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,  
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

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W. A. MANDA, South Orange, N. J., advises us that his firm has been awarded a first-class certificate for *Polypodium Mandaianum*, the highest award obtainable at the Holland House show, London, and a first-class certificate for the same plant and a botanical certificate for *Anthericum Mandaiana* at the York Gala, one of the great English provincial exhibitions.

## Convention Sports.

The prize list for the approaching sporting events to be held in connection with the convention of the Society of American Florists at Chicago next August is now in preparation. Anyone who desires to donate a prize will greatly oblige by sending full particulars as early as possible. It is the desire of those in charge of this department of convention work to make it the biggest and best bowling, shooting and outing occasion ever held in connection with the annual meeting of the national organization. All communications bearing on the convention sports and prizes, therefore, should be addressed to C. J. Graham, 12349 Euclid avenue, Cleveland, O.

The donors should send particulars of their prizes early so as to afford those in charge an opportunity of giving them full publicity.

## Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Public notice is hereby given that the Henry F. Michell Co., 518 Market street, Philadelphia, Pa., offers for registration the following new geranium, "Helen Michell." Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

### RAISER'S DESCRIPTION.

Variety originated with John L. North, Sewell, N. J.; cross between Jean Viand and Alphonse Ricard; habit is semi-dwarf, bushy and erect in growth, bearing from 4-5 clusters of immense flowers on well-grown 4-in. pot plants. Color bright intense scarlet, without any tendency to scald in bright sunlight, and showing no traces of pink, a great improvement on all scarlet varieties. JOHN YOUNG, June 28, 1912. Secretary.

## National Sweet Pea Society.

The final schedule of the fourth annual exhibition and convention of the National Sweet Pea Society of America, to be held at Horticultural Hall, Boston, Mass. July 13-14, has been issued and shows many interesting events and a most pleasing programme. The convention will begin at 3 p. m. Saturday with an address of welcome. President Sim will then deliver an address, which will be followed by the secretary's report. Prof. A. C. Beal will make a report on the society's trial grounds at Cornell University. The treasurer's report and the nomination of officers will come next. Prof. J. J. Taubenhaus of the Delaware College agricultural experiment station will speak. His subject will be "Our Present Knowledge of the Sweet Pea Diseases and their Control." The election of officers will follow. At the evening session, which opens at 8 p. m., there will be a vote on the next meeting place, addresses and discussions, a question box and action will be taken on such unfinished business as there may be. The lectures for the second day will be announced later. A proposal of the executive committee to change the society's name to the "American Sweet Pea Society," will be voted on. The Gardeners' and Florists' Club of Boston will entertain the members at a luncheon at 7 p. m. Saturday.

## American Rose Society.

The annual term of officials of the American Rose Society dates from July 1. President Adolph Farenwald has been attending the International Horticultural Exhibition with the company of 100 from America. During his trip little has escaped his notice, and the entire Society will no doubt benefit by his trip, as he does duty for the second term. Frank H. Traendly, of New York City, becomes vice-president. Ex-President Robert Simpson, of Clifton, N. J., and Frank R. Pierson, of Tarrytown, are to serve a term on the executive committee. This eastern concentration of officers is expected to strengthen the Rose Society during the National Flower Show to be held in the City of New York next spring. The Rose Society is after members. This morning a letter came from Pennsylvania saying: "Can you send me a dozen copies of the Rose Journal?"

I want them for prospective members." A week ago a convention of the New York state bankers was held at Lake Mohonk. The two large rose gardens were so attractive that when the time came for the morning session, which is the chief business session, there were scarcely enough members present to hold the meeting. When a search was made it was discovered that the bankers and trustees were in the rose gardens and more interested in the beautiful bloom of the Queen of Flowers than they were in the active business which called them to the convention. Probably no one has seen such a sight before, the variety of roses seemed endless. There will be a meeting of the American Rose Society in Chicago at the S. A. F. Convention in August. BENJAMIN HAMMOND, Secretary.

## Phosphorus Slag as An Insecticide.

The slag or dross formed in the removal of phosphorus from iron ore has been for years used as a fertilizer, on account of the phosphorus that it contains, and also on account of the lime. Recent investigation has shown that the use of this slag is even more profitable than had at first been supposed.

The cultivation of the sugar beet in Germany suffers great damage from the plant louse. The depredations of these bugs are destructive to a large number of plants. All mixtures or liquors used for spraying plants as a protection against these insects have been applied in vain. The "false brown rust" or "curl" of the peach is caused by the plant lice, and it cannot be successfully fought because neither liquors nor powders can be made to reach the little animals. When the beet plant is attacked, the leaf curls up and protects the insect against any treatment the farmer may apply.

It has been found that by the application of large quantities of nitrates after rains, the beet is stimulated to push out new leaves, which take the place of those destroyed by the plant lice. But this method has its dangers since an excess of nitrogen in the soil may be just as harmful to the plant as the action of the insects. J. P. Wagner, a sugar beet expert, recently told the National Society of Agriculture in France of a successful attempt to fight these insects by means of phosphorus slag. He spread about 1,400 pounds of the phosphorus slag to the acre on fields that were infested with the plant louse. Not only did this treatment prevent the insects from attacking the leaves, but they were driven away from leaves they had already attacked. On another field the slag was applied in larger quantities. Every plant was already attacked by the insects when the dross was applied. Within eight days all the insects had disappeared, and the plants recovered their healthy appearance and color.

The method by which the phosphorus slag operated in these cases is not known. Wagner thinks that the compound forms a thin layer on the leaf, spreading out over the whole surface, and that it is either distasteful or injurious to the insect. It is well known that many lime compounds are injurious to animals with soft, naked skins such as snails, caterpillars, naked larvæ; but it has not been shown that a similar effect is actually produced in the treatment against plant lice with phosphorus slag.—Scientific American.

**Meetings Next Week.**

Boston, Mass., July 15.—Gardeners' and Florists' Club of Boston, Horticultural hall.  
 Detroit, Mich., July 15, 8 p. m.—Detroit Florists' Club, 247 Randolph street.  
 Grand Rapids, Mich., July 15.—Grand Rapids Florists' and Gardeners' Club, office of member.  
 Lake Geneva, Wis., July 20, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, Horticultural hall.  
 Montreal, Que., July 15, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardsians building, 224 Sherbrook street, west.  
 New Orleans, La., July 18, 8 p. m.—New Orleans Horticultural Society, Kolbs' hall, 127 St. Charles avenue.  
 Newport, R. I., July 17.—Newport Horticultural Society.  
 Providence, R. I., July 15, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.  
 Salt Lake City, Utah, July 16.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.  
 Scranton, Pa., July 19, 7:30 p. m.—Scranton Florists' Club, Guernsey building.  
 Seattle, Wash., July 16.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.  
 Toronto, Ont., July 16, 6 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

**Wants, For Sale, Etc****One Cent Per Word, Cash with Adv.****For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—At once, married man, age 27, on a retail place; good designer and grower; sober and reliable. Ill. or Ind. Address Key 670, care American Florist.

**Situation Wanted**—By grower of Roses and Carnations; competent to take charge and produce first class stock. References. Please state wages. Address FLORIST, Harvey, La.

**Situation Wanted**—By German; 38; married; life experience in greenhouse work and vegetables. Please state wages in first letter. Address H. GRAUE, 70 S. Regent St., Port Chester, N. Y.

**Situation Wanted**—General greenhouse man and chrysanthemum grower; middle aged, single, wants position in commercial place. Best of references. Address Key 635, care American Florist.

**Help Wanted**—Two assistants in rose houses, state wages. Key 672, care American Florist.

**Help Wanted**—Single man to take charge of greenhouses on private place. Key 669, care American Florist.

**Help Wanted**—Experienced saleslady for a retail florist store in Chicago. S. T. MINONS, 2053 Milwaukee Ave., Chicago.

**Help Wanted**—Greenhouse man, experienced, single. State salary and references in first letter. Address 1918 East 40th St., Cleveland, O.

**Help Wanted**—Poultry man; competent man to take charge of poultry department in large seed store; give references and state salary expected. Address Key 666, care American Florist.

**Help Wanted**—A good carnation grower with money to invest in an established florist business, must be hustler and capable of looking after men. Address Key 647, care American Florist.

**Help Wanted**—Carnation grower; one who can produce the stock; capable of taking charge; good salary and position; married man preferred; at once. Address Key 668, care American Florist.

**Help Wanted**—In British Columbia, an all-round grower of carnations, mums and a general line of pot and bedding plants; a steady position to the right man; must be sober and industrious and understand the business. Address Key 649, care American Florist.

**Help Wanted**—At once, a working foreman on a place of 40,000 feet of glass, where general stock is grown to supply our retail store; must be a producer of first-class stock, capable of handling help to advantage. Send recommendations and state wages expected in first letter, or call personally. JOHN RECK & SON, Bridgeport, Conn.

**Help Wanted**—First class general florist, must be strictly sober and industrious. Single man preferred; state wages and give reference in first letter. CURTIS H. THOMAS, Traer, Iowa.

**For Sale**—Three thousand 2-inch heavy wrought iron pipe, fine condition, couplings, valves, etc. Your own price. ALBON & SON, Iowa City, Ia.

**For Sale**—Within the next 30 days three thousand dollars will buy seven thousand feet of glass; ten-room dwelling. Part cash; if you mean business, write Key 671, care American Florist.

**For Sale**—"Improved Capitol Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. dia; length 80½ in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

**For Sale**—A good retail florist business; 25,000 sq. ft. glass; 7-room modern residence; 30 acres of good ground; all in city limits; good town; this place will stand close investigation; books to show; \$3,000 cash required, balance on time; \$12,500 for place; can make price of place in several years; to any one wanting a good business will be pleased to give full particulars by return mail. Address Key 641, care American Florist.

**For Sale**—By widow, established florist business in Lake View, with ground and buildings consisting of: 2-story, 2-flat frame building, 4 rooms and bath each; office adjoining, 12x18 ft., under glass, concrete cellar, 3 greenhouses, 24x70, 20x70 and 20x60, with boiler, concrete posts and benches. Ground 120x125 ft. on corner. Fixtures, stock and soil on hand. For location, terms and other particulars, apply to BURNS & TAUB, 69 W. Washington St., Chicago. Tel. Randolph 5446

**Wanted**—A florist in an eastern city, owing to other business, wishes to incorporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

**Wanted to Rent**—Greenhouse, with stock, near Chicago, for term of years, with privilege of buying; prefer one with some land in good town or city. Address "FLORIST," P. O. Box 164, Allen, Mich.

**Wanted**—A florist who wants to go in business for himself. To the right man, with \$1000 down payment, I will sell 4½ acres of choice land, with good 12-room frame house, good barn, with gasoline engine and pump in basement and water tank in loft, also pipes connecting tank with gardens. 3,500 feet are under glass and balance in flower gardens and garden truck. Fine ginseng patch will yield \$500 annually. Located on main street in a city of 10,000 in Western New York. Street cars pass door. Great snap for a young man and a chance to build a large rose business in a rapidly growing city. C. L. VAN VALKENBURG, 723 Monadnock Block, Chicago.

**Storeman.**

A western florist, doing a high class business, has an opening for a man who can take charge of the work and customers where an extensive business is done. Good position and pay to the right man.

Key 664, care American Florist.

**Situation Wanted.**

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address

Key 615, care American Florist.

**Seedsman Wanted**

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

**Greenhouse Foreman.**

We want a competent man to take charge of a wholesale and retail greenhouse business. Must be fully qualified as a grower and as a salesman. State age and give full particulars of experience. Key 659, care American Florist.

**For Sale**—Cheap, second hand greenhouse material of all kinds; also 2 steam boilers, 2 iron pumps, 1 Morchard steam trap, wire rose stakes, etc. A. M. SCHAFER, 2129 Balmore Ave., Chicago.

**Wanted At Once.****NURSERY MANAGER**

For Mail Order Business, one who is familiar with conditions in the Northwest. Married man preferred. Good dwelling house on place. Splendid opportunity for the right man with some capital. Address Key 657, care American Florist.

**Plantsman Wanted.**

Advertiser has a permanent position, with good salary, for an experienced plantsman, able to grow a general line of commercial plants, palms, ferns, and miscellaneous flowering plants. Give full particulars in first letter. Address Key 661, care American Florist.

**FOR SALE.**

Florist business, seed department, tools, etc.; two greenhouses, hot water, fully stocked; four lots, 50x150; planted with shrubs, roses, perennials, etc.; only two and one-half years old; all in first-class condition; the nucleus of a fine business; lack of capital the reason. Address

F. L. MANAHAN, Receiver,  
No. 8 So. Lincoln St., SPOKANE, WASH

**..FOR SALE..**

Retail store doing a splendid high class business, established for 10 years. Can give 5-year lease with cheapest rent on State St. New icebox, good fixtures and mosaic floor. Will sell cheap on account of moving to larger quarters. A splendid opportunity for someone.

Canger & Gormley,  
187 North State Street, CHICAGO.

**For Sale--At Once**

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line; good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE,  
1607 Second Avenue, Rock Island, Ill.

**FOR SALE OR RENT.**

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

**First-Class Storeman.**

A No. 1 Designer and Decorator, used to waiting on first-class trade, who will stand strictest investigation as to character, sobriety and ability, is open for engagement now or Sept. 1. A man who is capable of taking full charge and is not afraid of hard work and can be relied on at any time

Key 656, care American Florist.

**FOR SALE**

2 Steel water boilers, 14 ft. long by 4 ft. wide; new 4 in. flues, used 4 years, complete and in good condition, price \$200.00 each on board cars. 150 ventilators, 4 ft. 10 in. by 3 ft. 6 in., red cedar with glass and headers, \$1.00 each. 10 panel doors with frame red cedar, \$1.75 each. 10 Evan's ventilator machines complete with post, \$8.00 each; Arms. 20 cts.; Hangers, 10 cts.; ventilator chairs, 8 cts. per ft. 400 ft. red cedar gutters, 10 cts. per ft. 400 6-ft. red cedar bars, 5 cts. each. 12,000 No. 9 wire stakes, 4, 5 and 6 ft. long, \$5.00, \$7.00 and \$9.00 per 1000. The above is salvage wrecked by cyclone. Everything complete and in good condition, nothing over four years old. Photo of boilers upon application.

GEORGE REINBERG,  
162 N. Wabash Ave., CHICAGO

# Summer Roses Our Specialty

**American Beauty - Kaiserin - Maryland**  
**Rhea Reid - Aaron Ward - Mrs. Taft**

The above are the best roses at this time of year and we cut them especially tight for hot weather shipments. Buy direct of the grower. We grow all the stock we sell and guarantee it strictly fresh.

## Price List

|                                                                                                       |                  |                                   |                   |
|-------------------------------------------------------------------------------------------------------|------------------|-----------------------------------|-------------------|
|                                                                                                       |                  | Subject to change without notice. |                   |
| <b>AMERICAN BEAUTIES</b>                                                                              | Per doz.         | <b>CARNATIONS</b>                 | Per 100           |
| Extra long .....                                                                                      | \$2.50           | Extra long, O. P. BASSETT.....    | \$1.50 to \$ 2.00 |
| 36-inch .....                                                                                         | 2.00             | Extra long, white.....            | 1.50 to 2.00      |
| 24-inch .....                                                                                         | 1.50             | Fancy pink .....                  | 1.50 to 2.00      |
| 18-inch .....                                                                                         | 1.00             | <b>FINE EASTER LILIES</b>         |                   |
| 12-inch .....                                                                                         | .75              | Per dozen .....                   | 1.00              |
| Short .....                                                                                           | per 100, \$4.00  | Per 100 .....                     | 6.00              |
| <b>KAISERIN, MY MARYLAND, RHEA REID, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY AND PERLES</b> | Per 100          | <b>LILY OF THE VALLEY.....</b>    | 3.00 to 4.00      |
| Extra long select.....                                                                                | \$5.00 to \$8.00 | <b>SWEET PEAS .....</b>           | .50 to 1.00       |
| Medium length .....                                                                                   | 4.00             | <b>ASPARAGUS SPRAYS .....</b>     | 3.00 to 4.00      |
| Short .....                                                                                           | 2.00 to 3.00     | <b>SPRENGERI .....</b>            | 2.00 to 3.00      |
|                                                                                                       |                  | <b>ADIANTUM .....</b>             | 1.00 to 1.50      |
|                                                                                                       |                  | <b>GALAX—Bronze .....</b>         | per 1,000, \$1.00 |
|                                                                                                       |                  | <b>NEW FERNS .....</b>            | per 1,000, \$2.00 |

All Seasonable Flowers at market prices.

# BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.  
 Phone, Central 1457

CHICAGO

Greenhouses, HINSDALE, ILL.

### Chicago.

#### OUTDOOR GLADIOLI ARE IN.

The extremely warm weather and Fourth of July have affected the market conditions considerably, and the usual lull that is always experienced after a holiday is here now. Stock of all kinds is very plentiful and the first outdoor gladioli of the season, Mrs. Francis King, Augusta and America, made their appearance in the market this week. Asters are arriving in much larger quantities and the general report from the growers is that the crops are very large this season. Some of the larger growers are now cutting roses from their young stock and plenty of short and medium American Beauties, Killarney and White Killarney are now obtainable. Long-stemmed American Beauty roses are very plentiful and the quality is good, but the demand is very light. The demand for orchids and lily of the valley has also fallen off considerably and carnations are still being sacrificed in large lots at bargain prices. Radiance, Prince de Bulgarie, Mrs. Aaron Ward and Melody roses are having a good call but choice My Maryland, Kaiserin Augusta Victoria and Killarney are moving well. Pink and white snapdragons and lilies are arriving in fine condition but are not moving. Gardenias are none too plentiful and sweet peas are now showing the effects of the severe warm weather. Storage peonies are having a pretty fair call and some fresh cut northern grown stock is still arriving. Daisies, coreopsis, gypsophilla candytuft, gailardia schillea, feverfew and larkspur are very plentiful and pond lilies are seen prominently displayed in many of the down town store windows. The severe warm weather is proving to be too much for some of the flo-



Harry S. Garland in the South.

### GLADIOLI.

Gladioli, forced for early bloom, have been quite a feature of the market this season, and the spikes were remarkably fine. The varieties most generally employed for this purpose are America, Augusta, Mrs. Francis King and Shakespeare, and the season and prices (per dozen spikes) ran about as follows:

| Variety.        | Apr. | May.   | June.  |
|-----------------|------|--------|--------|
| America .....   | \$ — | \$1.50 | \$1.00 |
| Augusta .....   | 1.00 | .75    | .75    |
| Mrs. F. King..  | 1.00 | .75    | .75    |
| Shakespeare ... | —    | .75    | .75    |

The first out-door gladioli, Mrs. Francis King, Augusta and America, were shipped to this market on July 4 and the extra fancy stock is quoted at 75 cents per dozen spikes.

#### HARRY GARLAND IN THE SOUTH.

Harry S. Garland, of the Geo. M. Garland Co., Des Plaines, is making a trip from the Lakes to the Gulf, studying southern greenhouse construction, of which we expect to hear later. Mr. Garland arrived in Galveston, Sunday, June 30, and was taken in hand by J. D. Pruessner and his two sons. A stroll was taken on the great seawall and boulevard; the new million-dollar hostelry, Hotel Galvez, was selected as the stopping place, where a sumptuous supper was spread and thoroughly enjoyed, the Gulf breeze and the waves furnishing the music. After supper a dip was taken in the surf. Monday morning Mr. Garland left for Houston, San Antonio, thence to the Pacific coast, full of gratification with the things that he had learned in the south.

#### NOTES.

Hoerber Bros.' leaders this week are a fine grade of My Maryland and Killarney roses.

rists and all those who can get away are leaving for the cooler woods and green fields.

# Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone  
Randolph 35

CHICAGO, ILL.

## JULY,

## August and September

we will have a large supply of

# Fancy Roses and Carnations

for we make a specialty of growing stock for the summer. We keep in our **Carnations** and take the best care of them, which gives us **Carnations** equal to winter-grown stock. We also continue to run **Roses** and **Beauties** through the summer, as well as young stock which is now in.

## LARGE SUPPLY

Asters, Gladioli, Sweet Peas, Valley,  
Easter Lilies, Carnations, Roses.

Special Low Prices Quoted on Thousand Lots.

### CURRENT PRICE LIST

Subject To Change  
Without Notice.

|                                                           | Per Doz.               | Per 100         |
|-----------------------------------------------------------|------------------------|-----------------|
| <b>AMERICAN BEAUTIES.</b>                                 |                        |                 |
| Specinis                                                  | \$3.00                 |                 |
| 36-inch                                                   | 2.50                   |                 |
| Medium                                                    | 2.00                   |                 |
| 18 to 20 in.                                              | 1.50                   |                 |
| Short stem                                                | per 100 \$4.00 to 6.00 |                 |
| <b>PRINCE DE BULGARIE, Antoine Rivoltre or Mrs. Taft.</b> |                        |                 |
| Fancy                                                     | \$8.00 to \$10.00      |                 |
| Medium                                                    | 6.00                   |                 |
| Short                                                     | 4.00                   |                 |
| <b>MELODY, fancy long.</b>                                | \$8.00 to 10.00        |                 |
| Medium                                                    | 6.00                   |                 |
| Short                                                     | 4.00                   |                 |
| <b>MRS. AARON WARD.</b>                                   |                        |                 |
| Fancy Long                                                | \$8.00 to 10.00        |                 |
| Medium                                                    | 6.00                   |                 |
| Short                                                     | 4.00                   |                 |
| <b>RICHMOND, Fancy</b>                                    | 8.00                   |                 |
| Medium                                                    | \$4.00 to 6.00         |                 |
| Good Short                                                | 3.00                   |                 |
| <b>KILLARNEY, Fancy</b>                                   | 8.00                   |                 |
| Medium                                                    | \$4.00 to 6.00         |                 |
| Good Short                                                | 3.00                   |                 |
| <b>WHITE KILLARNEY, Fancy</b>                             |                        | Per 100 \$ 8.00 |
| Medium                                                    |                        | 6.00            |
| Good Short                                                |                        | 3.00            |
| <b>ROSES, extra special billed accordingly.</b>           |                        |                 |
| <b>ASTERS</b>                                             | \$2.00 to 4.00         |                 |
| <b>CARNATIONS, extra fancy</b>                            | 2.00                   |                 |
| “ common                                                  | 1.00                   |                 |
| <b>ORCHIDS, Cattleyas, per doz.</b>                       | 6.00 and up            |                 |
| <b>PEONIES, our selection</b>                             | 4.00                   |                 |
| <b>EASTER LILIES</b>                                      | \$8.00 to 10.00        |                 |
| <b>STOCKS, fancy, per doz.</b>                            | \$0.50 to 1.00         |                 |
| Marguerites                                               | 1.00 to 1.50           |                 |
| Feverfew, per bunch                                       | .35 to .50             |                 |
| <b>VALLEY</b>                                             | 3.00 to 4.00           |                 |
| <b>DAISIES, field</b>                                     | .75                    |                 |
| <b>SWEET PEAS</b>                                         | .75                    |                 |
| <b>ADIANTUM CROWEANUM</b>                                 | 1.00                   |                 |
| <b>SMILAX, per doz.</b>                                   | 2.00                   |                 |
| <b>SPRENGER, PLUMOSUS SPRAYS</b>                          | \$3.00 to 4.00         |                 |
| <b>PLUMOSUS STRINGS, extra long and heavy</b>             | each .60               |                 |
| <b>PLUMOSUS, strong, long, medium</b>                     | each .45               |                 |
| <b>FERNS</b>                                              | per 1,000 2.00         |                 |
| <b>GALAX</b>                                              | per 1,000 1.25         |                 |
| <b>LEUCOTHOE</b>                                          | per 100 .75            |                 |

# WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

**SPECIAL SALE ON CARNATIONS. Best Quality Blooms, \$15.00 per 1000.**

Also Special Offer on Roses. Long, \$5.00 per 100; Medium, 2.50 per 100.

**CURRENT PRICE LIST.**—Subject to change without notice.

**Special Long Beauties, \$15.00 per 100 American Beauties.**

| Per Dozen                | Per Dozen                |
|--------------------------|--------------------------|
| 60-inch stems.....\$3.00 | 24-inch stems.....\$1.25 |
| 48-inch stems..... 2 50  | 20-inch stems..... 1.00  |
| 36-inch stems..... 2 00  | 15-inch stems..... .75   |
| 30-inch stems..... 1 50  | Short Stems..... .50     |

**Killarney.**

| Per 100                   |
|---------------------------|
| Extra special..... \$7.00 |
| Selects..... 6 00         |
| Fancy..... 5.00           |
| Medium..... 4.00          |
| Good..... 3.00            |
| Short stems..... 2.00     |

**Richmond**

| Per 100                    |
|----------------------------|
| Extra specials..... \$7.00 |
| Selects..... 6.00          |
| Fancy..... 5.00            |
| Medium..... 4.00           |
| Good..... 3.00             |
| Short stems..... 2.00      |

**Jardine, Fancy, 24-inch stems..... \$8.00**

|                      |
|----------------------|
| Good, 15 "..... 6.00 |
| Short..... 4.00      |

**White Killarney**

|                     | Per 100 |
|---------------------|---------|
| Extra specials..... | 7.00    |
| Selects.....        | 6.00    |
| Fancy.....          | 5.00    |
| Medium.....         | 4.00    |
| Good.....           | 3.00    |
| Short stems.....    | 2.00    |

**My Maryland**

|            |        |
|------------|--------|
| Fancy..... | \$7.00 |
| Good.....  | 6.00   |
| Short..... | 4.00   |

**Roses, our selection - - - \$3.00**

**Carnations,**

|                    |        |
|--------------------|--------|
| Extra Special..... | \$1.50 |
| Fancy.....         | 1.25   |
| Good.....          | 1.00   |

HARRISII.....12.50 to 15.00

NEW FERNS, per 1000, \$2.00.

SMILAX, per doz., \$2.00 to \$2 50.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

The Cook County Florists' Association will hold a picnic at Karthausers Grove, next Sunday, July 14, and extends a cordial invitation to everybody in the trade. The following races are on the program and a liberal prize will be awarded to the first three winners of each event: Girls' 25-yard race, 6 years and under; boys' 25-yard race, 6 years and under; girls' 40-yard race, 10 years and under; boys' 50-yard race, 10 years and under; girls' 60-yard race, 15 years and under; boys' 75-yard race, 15 years and under; single ladies' 75-yard race, 16 years and over; married ladies' 50-yard race; fat men's 75-yard race, 200 and not exceeding 500 pounds; 150-yard dash, open to all; 50-yard sack race and pie-eating contest.

C. L. Washburn and wife returned on July 6 from their honeymoon in the east and the popular wholesaler is now receiving the congratulations from his many friends in the trade. E. B. Washburn was recently taken sick at the store with stomach trouble, which later developed into a high fever and he is now reported to be in a very serious condition.

Poehlmann Bros. Co. is cutting a good supply of roses from their young stock and is particularly strong on short and medium American Beauties. Prince de Bulgarie, Melody and Mrs. Aaron Ward are having a good call at this house and Tim Waters is busy filling orders for greenhouse supplies.

J. P. Sinner was operated upon twice the past week for blood poisoning at the Alexian Bros.' hospital but is still reported to be very seriously ill. Mr. Sinner is a member of the firm of Sinner Bros. and a brother of John Sinner, who conducts the wholesale store on East Randolph street.

Mrs. A. M. Schafer, 2129 Balmoral avenue, is tearing down her three

greenhouses which were damaged by the heavy wind storm last fall and will erect 10 bungalows on the property at an early date. The same will be for sale on easy terms and a small cash payment will get one for you.

E. E. Pieser is making a number of changes at Kennicott Bros. Co.'s store with the intention of having the place as dry and healthful as possible. The floor has been torn up and a direct main laid from the ice-box to the sewer and several electric fans will be installed.

Robert Northam, George Reinberg's efficient storeman, wife and family, will leave on July 15 for a few weeks' visit at Montague, Mich. Bob is getting his fishing tackle ready in preparation for the trout fishing which is fine in the brooks near this resort.

Wietor Bros. are still cutting quite heavily in American Beauty roses and some very fine stock is now seen at this store. The Killarney and White Killarney roses are of fine quality and Mrs. Jardine is also in grand condition for this time of the year.

A. Malchow, 3743 North Clark street, is tearing down one of his greenhouses to make room for a new store and two flat buildings which he is about to erect. He says that the spring trade was very good and that he is sold out of all stock.

F. F. Scheel's new greenhouses are well under way and the building operations are nearly completed. He has a nice stock of smilax and is willing to ship samples to all prospective customers upon request.

Robt. Newcomb, with Vaughan's Seed Store, has returned from a very successful business trip and will remain in the city until after the convention.

Otto W. Frese is still working on his new telegraph code for flowers and expects to have it in shape to submit it for approval to the local wholesalers in the very near future.

Julius Schaeffer, with Mrs. M. M. Ayres, St. Louis, Mo., stopped off here on July 5, enroute to Roscommon, Mich., where he will spend a week visiting with friends and relatives.

Rober & Radke, the well known poinsettia growers of Maywood, are booking a large number of orders for plants and will start making deliveries next week.

Baseball practice has been declared off for Sunday, July 14, but all players are requested to be on deck for the following Sunday, July 21.

Cut blooms of gladiolus from the open ground will be later than usual in this vicinity although the fields are showing a rapid growth now.

Tim Matchen says that Peter Reinberg is starting to cut from his young stock of Killarney, White Killarney and American Beauty roses.

Ernest Farley, with the J. B. Deamud Co., will leave this week for a visit at Indianapolis, Ind., and his old home in Kentucky.

Michael Fink, with the Chicago Flower Growers' Association, will move to his new home in Jefferson Park on July 15.

Philip L. McKee, with the John C. Moninger Co., has returned from a most delightful fishing trip at Culver, Ind.

L. Koropp has opened a branch store in the Rienzi building at Evans-ton avenue and Diversey boulevard.

The next meeting of the Chicago Florists' Club will be held at the Union Restaurant, Thursday, June 11.

Erne & Klingel are receiving some fresh cut northern grown peonies.

# Peter Reinberg

Long Distance Phone Central 2846.

**30 East Randolph St., CHICAGO.**

**Beauties = Roses = Carnations**

Send Your Orders Direct to the Grower and They Will be Taken Care of  
**CURRENT PRICE LIST.**

| AMERICAN BEAUTIES     |                       | Per doz.                    |                           |                              |
|-----------------------|-----------------------|-----------------------------|---------------------------|------------------------------|
| Extra long stems..... |                       | \$3 00                      | Mrs Aaron Ward            | { Select ..... \$8 00        |
| 36 inch stems.....    |                       | 2 50                        |                           | { Medium ..... 6 00          |
| 30 inch stems.....    |                       | 2 00                        |                           | { Short ..... \$4 00 to 5 00 |
| 24 inch stems.....    |                       | 1 50                        | Sunrise.....              | { Select ..... \$6 00        |
| 20 inch stems.....    |                       | 1 25                        |                           | { Medium ..... 5 00          |
| 15 inch stems.....    |                       | 1 00                        |                           | { Short ..... 4 00           |
| 12 inch stems.....    |                       | 75                          | Roses, our selection..... | 3 00                         |
| Short Beauties .....  |                       | 50                          | Carnations .....          | 1 50 to 2 00                 |
| Richmond .....        | } Select ..... \$8 00 |                             | Harrisii .....            | per doz. 1 50                |
| Killarney.....        |                       | Medium ..... \$5 00 to 6 00 | Valley .....              | 3 00 to 4 00                 |
| White Killarney       |                       | Short ..... 4 00            | Sweet peas .....          | 75 to 1 25                   |
| My Maryland....       |                       |                             | Peonies .....             | per doz. 50 to 75            |
|                       |                       |                             | Adiantum .....            | 1 00                         |
|                       |                       |                             | Asparagus, per bunch..... | 50                           |
|                       |                       |                             | Ferns, per 1,000 .....    | 2 00                         |

## Finest Roses in Chicago

We are receiving some exceptionally fine roses, which are, without question, the finest stocks now obtainable, especially our Pink and White Killarneys, which are equal to winter grown stock. This stock is particularly fine for shipping orders and the out-of-town buyers would do well to favor us with a trial order. We are also well fixed on lilies, lily of the valley, and everything else in seasonable cut flowers.

# ZECH & MANN

**162 N. Wabash Ave.**

L. D. Phone, Central 3284

**CHICAGO**

The second annual meeting of the board of directors and stockholders of the Chicago Flower Growers' Association was held at their store on North Michigan avenue, on July 6, when Fred Schramm and Fred Stielow were elected directors to fill the vacancies which occurred by the resignations of Joseph Schoos and J. Meier. All the old officers and other directors were re-elected and much important business was transacted. A complete report of last year's business was not ready in time to be read at this meeting but it will be mailed to the stockholders of the association this week. The election of officers for the ensuing year resulted as follows: J. F. Kidwell, president; E. Meuret, vice-president; A. Then, treasurer; G. C. Weiland, secretary, and A. Jurgens, C. McCauley, Fred Schramm and Fred Stielow, directors.

Aug. Jurgens sent a basket of peaches to his friends on the local market this week from his farm at Richland, N. J., and it was surprising to see how quickly the choice fruit disappeared.

Wm. Sgoros, of the Madison Floral Co., is back from Benton Harbor, Mich., where his friend, George Knockout Brown, battled for middleweight honors with Eddie McGoorty on July 4.

Chas. Klehm expects to finish up his peony season at Kyle & Foerster's store in about another week and the supply of stock now in storage is gradually diminishing.

Adolph Bensch, manager of the supply department at Winterson's Seed Store, and family are visiting friends at Kansas City, Omaha and other western cities.

H. Van Gelder, of Percy Jones, made a business and pleasure trip to Mil-

waukee and Lake Geneva, Wis., in his auto on July 4.

The Batavia Greenhouse Co. cut its first outdoor gladioli, Mrs. Francis King, Augusta and America, on July 5.

Weiland & Risch are cutting from a nice crop of gardenias and are now receiving a large supply at the store.

Tom Wilson, formerly with A. Henderson & Co., left on July 8 for a month's visit in New York.

Frank Kral says that business is pretty good and that he is having his share of the summer work.

J. F. Kidwell's family will leave on July 15 for an automobile trip to Bloomington, Mich.

George Economopolis says that trade is very quiet now at the Alpha Floral Co.'s store.

Clarence Hoffman, with the E. C. Amling Co., is away on his vacation.

# Some of Our Specialties

ASTERS, Shell pink, \$1.00, \$1.50, \$2.00 and \$3.00 per 100.

|                                                | Per 100          |              | Per 100      |
|------------------------------------------------|------------------|--------------|--------------|
| Augusta Gladiolus, fancy                       | \$4.00 to \$5.00 | Sweet Peas,  | .40 to .75   |
| Valley, - - -                                  | 3.00 to 4.00     | Roses, - - - | 3.00 to 8.00 |
| Fancy Ferns, best in Chicago, \$1.25 per 1000. |                  |              |              |
| Mexican Ivy, 75c per 100; \$6.00 per 1000.     |                  |              |              |

We want a few new live buyers.

You can not miss it buying of us.

## A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.

PHONES } Central 2571  
Automatic 48-734

CHICAGO

The A. L. Randall Co.'s employes and friends had a most delightful time at the picnic which was given at the Tonner home in Galewood, on July 4, and nearly 100 people were present. The crowd left the store in automobiles at 11 a. m. and the afternoon was devoted to athletic games of all kinds. It was 6:30 p. m. before the happy crowd broke up, and all present enjoyed themselves immensely and agreed that it was the best time ever.

Zech & Mann are supplying their customers with an exceptionally fine grade of Killarney, White Killarney and My Maryland roses and the quality is equal to that of winter-grown stock. Business has been pretty good at this house considering the present market conditions and the proprietors are well satisfied with the amount of business that has been done.

A. F. Longren (Flannigan) is back at E. H. Hunt's from a successful business trip through the central states. R. H. Starbuck, with the same firm, says that the demand for greenhouse supplies is very good and that his house is selling a large quantity of paint, putty and hose.

A. L. Vaughan left this week for a fishing trip to Fremont, Mich., and will not return until he catches a 20-pound musky. His firm is receiving a large supply of gladioli and asters and the latter are of exceptionally fine quality.

Roswell Schupp, of the J. A. Budlong force, is enjoying his vacation at Lake Geneva, Wis.

Frank Ayers, Chas. W. McKellar's storeman, will leave on July 13 for a month's outing in the Canadian wilds.

Wm. A. Engbrecht is back from a successful fishing trip in Wisconsin.

Visitors: Andrew Peterson, Hoopes-ton; Harry Balsley, Detroit, Mich.; Wm. Markey, with Markey Bros., Ft. Wayne, Ind.

WILMINGTON, DEL.—The St. Andrews Bay Nursery and Orchard Company has incorporated with a capital stock of \$250,000.

SEATTLE, WASH.—F. L. Ziegler, 8 South Lincoln street, filed a petition in bankruptcy July 5 and claims assets of \$8,136, liabilities \$6,607. Frank T. Manahan has been appointed receiver and will continue the business until fall. He says the place is in fine condition and that creditors' prospects are good.

### St. Louis.

#### WARM WEATHER STOPS DEMAND.

The warm weather is with us and shows indications of staying. As to market quotations, there are none. There is no demand and the retailers are shy and refrain from buying except to fill orders. The stock from the growers of the local market is very poor, especially carnations, and some of the growers to make matters worse will persist in bunching their carnations to shove in two or three poor and miserable blooms, thus causing them a loss in sales in many cases. Sweet peas grown from the outside a week ago were scarce and sold at fifty cents per one hundred. Last Sunday they were a positive glut. Downtown retailers were selling them at five cents per bunch. Two bunches for five cents were offered by one retailer who thus displayed his philanthropy. "Why"—the poor picker, buncher and grower scratched his head and asked himself—"why is a sweet pea?"

#### NOTES.

Grimm & Gorly, who had expected to vacate their present location, have decided to remain and have obtained a seven-year lease on the premises. Some important and material changes will be made in the store during the dull months. The firm has given to its employes a two-weeks' vacation with pay. This is a good way to reward good and faithful service.

The retailers, wholesalers and growers are all talking picnics and vacations. The wholesalers are praying for rain to keep cool or something to make a stir. The coming convention at Chicago is talked all over and a record-breaker in attendance is expected from St. Louis and vicinity.

Fred Alves and Al. Gumz, of Geo. H. Angermueller's force, will be at the picnic and Will Ossick, Frank Windler and Paddy Patton will represent the Wm. H. Smith Floral Co. George Schriver at Kuehn's and Otto Berning at H. C. Berning will have their hands full.

The Paris Floral Co. has closed. F. J. Foster, manager, will conduct business through the telephone at his residence at Kinlock. He expects to open up a new location in September, but will not reopen during the dull months.

Mike Mitchell, formerly of the M. & S. Floral Co., is taking things easy now. Mike comes daily to the market but does not plunge these warm days.

A meeting of the picnic committee and trustees was held at the Wm. C. Smith Wholesale Floral Co. last Friday and final arrangements made for the picnic. Programmes are out and a good time is assured.

J. F. Ammann of Edwardsville, Ill., has nearly completed his new carnation house. He has remodeled his rose houses. His crop has for years been consigned to the well-known firm of C. A. Kuehn.

Andrew Meyer, Jr., is doing some touring. He uses his machine for business as well as pleasure.

George Waldbart has donated a special prize for the Florist Picnic.

A. C. Canfield of Springfield, Ill., is shipping his crop to C. A. Kuehn.  
W. F.

### Outing at Joliet

The Cook County Florists' Association's baseball nine played a pretty good game against the Chicago Carnation Co.'s crack aggregation at Joliet, on July 4, but were badly beaten by a 19 to 0 score. The locals had practically no practice whatever but gave Peter Olsem's "champs" a bad scare in the opening inning when the penitentiary city boys thought they were up against the real article. A. Miller did the twirling for the locals and struck out the first two men that came up to bat with his unrivaled saliva shoot, that even Allie Zech admitted was some clever. A. C. Kohlbrand acted as umpire and Tim Matchen made a couple of hits, but the rest of the nine were fortunate if they reached first base. About 20 people accompanied the team and all there enjoyed themselves immensely and all are very grateful to Messrs. Pyfer and Olsem for the splendid way in which they entertained the crowd. To reach Mr. Pyfer's home it was necessary to cross the river on a swinging bridge and it was very amusing to see the people cross it, especially F. F. Scheel, who lost his balance and nearly went pitching headlong into the stream.

EVANSVILLE, IND.—The Ziedler Floral Co. is building a new range of greenhouses.

ST. JOHNSVILLE, N. Y.—M. O. Dockerty has built a greenhouse containing 1,700 square feet of glass and another, which will contain 1,200 feet, under construction.



# The Chicago Flower Growers' Association

## 176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449  
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.  
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.  
G. C. WEILAND, Sec'y.

### PEONIES

### LILIES

### SWEET PEAS

#### EXTRA FANCY STOCK

Also a Choice Grade of  
**Asters, Roses** and all other  
seasonable Cut Flowers.

### CURRENT PRICE LIST:

| Grade                               | A       | B       | C       | D       | E       | F      | G |
|-------------------------------------|---------|---------|---------|---------|---------|--------|---|
| Beauties.....per dozen              | \$ 4.00 | \$ 3.00 | \$ 2.00 | \$ 1.50 | \$ 1.00 |        |   |
| Killarneys.....per 100              | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | \$2.00 |   |
| White Killarneys.....               | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Richmonds.....                      | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| My Maryland.....                    | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Perle.....                          | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Maids.....                          | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Brides.....                         | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   |   |
| Carnations.....                     | 3.00    | 2.00    | 1.50    | 1.00    |         |        |   |
| Easter Lilies.....                  | 10.00   | 8.00    | 6.00    |         |         |        |   |
| Orchids, Cattleyas.....             | 50.00   | 40.00   |         |         |         |        |   |
| Lily of the Valley.....             | 4.00    | 3.00    |         |         |         |        |   |
| Sweet Peas.....                     | 1.50    | 1.00    | .75     | .50     |         |        |   |
| Peonies.....                        | 5.00    | 4.00    | 3.00    |         |         |        |   |
| Daisies.....                        | 1.00    | .75     |         |         |         |        |   |
| Asparagus Plumosus Sprays..         | 4.00    | 3.00    |         |         |         |        |   |
| Asparagus Sprenger Sprays..         | 4.00    | 3.00    | 2.00    |         |         |        |   |
| Mexican Ivy.....                    | .75     |         |         |         |         |        |   |
| Smilax.....                         | 25.00   | 20.00   |         |         |         |        |   |
| Adiantums.....                      | 1.00    | .75     |         |         |         |        |   |
| Galax, Green or Bronze.....per 1000 | 1.00    |         |         |         |         |        |   |
| Ferns.....                          | 2.00    | 1.50    |         |         |         |        |   |

Send Your Orders for Summer Flowers to

## CHAS. W. MCKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock  
at Lowest Market Prices.

Long Distance Phone  
Central 3598.

**Boston.**

**PEOPLE DESERTING CITY.**

We have just passed the driest June since the records have been kept and they go back forty years. Last year Boston broke records and this July we are breaking records for heat in the whole country. The famous east wind has deserted us and we are sweltering at 94 degrees. Trains, steamboats and automobiles have taken the human freight out to the seashore and the hill country to board at farmhouses and feast on fresh vegetables, eggs and milk. Flowers for the present are forgotten. The only thought is to get somewhere out of town. Some of the department stores are showing life by advertising carnations at twenty-five cents per dozen. The market is lifeless; except for a stray funeral there is nothing doing. We like to send cheerful reports, but there is no chance just now. However, we are all hopeful for the future. Dun's report shows a healthy state of trade, with a higher average than that of 1911. The best gaillardias we have seen are handled by Geo. Cartwright at the Boston Flower Exchange. In orchids, Thos. F. Galvin, Inc., holds the palm, the shipper, Seth Borden, sending in some fine Cattleya gigas and labiata. In American Beauty roses, those shipped to Welch Bros. Co., from Carl Jurgens, Newport, R. I., are for July some-

thing unusual for stem, foliage and flower.

**NOTES.**

We are sorry to report the sudden death July 4, of Mr. McManus, of the Galvin Back Bay force. Death came while he was out walking with his son and heart trouble was the cause. For twelve years he had charge of the plant department of the Galvin stores. Before that he was assistant to Mitchell Galvin at Forest Hill cemetery. Mr. McManus was born in Boston fifty-four years ago. He leaves a wife, four children and a brother, who is manager at Galvin's Tremont street store. The funeral was held from St. Thomas' church, Jamaica Plain, Saturday, July 6.

The Fourth of July was celebrated here very quietly. In a tent on Boston Common, under the auspices of the Floral Emblem Society, 7,000 children received flowers, plants and flags and A. Sherman, the philanthropist, gave 500 white carnations to the society in memory of his wife, Hettie Lang Sherman. She was one of the earliest members of the society and the Fourth was her natal day. In Franklin park, the city gave away ice cream and plants to thousands of children. This was a safe and sane Fourth.

The Gardeners and Florists' Club are to hold their annual picnic at Cunningham Park, East Milton, July

24. This affair has always been good and it promises to be better this year. Henry Penn offers a silver cup to the lady winning the egg and spoon race. For the benefit of the lady readers of THE AMERICAN FLORIST, we inquired of President Pegler just what kind of race it would be, but he declared he did not know.

The funeral of the late J. A. Pettigrew was held from the family residence, Friday, July 5. Several of the state and municipal officials were present, also those high and low in the horticultural ranks.

Three of the Galvin force have gone on their vacation, Mr. Moran to Quebec and Geo. Dunn and Mr. Kerrigan to Nantucket for a month.

A. Roper, Tewksbury, says he will have something in seedling carnations that will surprise the boys at the national show.  
MAC.

CORNING, N. Y.—Wm. Johnson is building another greenhouse.

HOLLISTON, MASS.—All the buildings on the 100-acre farm of the Eastern Nurseries Co. were destroyed by fire June 30. The loss is estimated at \$5,000.

ALBANY, N. Y.—H. Louis Menand has bought the interest of his partner, Charles Carson, in the flower store at 464 Fulton street, Troy, and will continue the business himself.

# Erne & Klingel

WHOLESALE FLORISTS  
30 E. Randolph St. L. D. Phone Randolph 6578 Chicago.

**Cut Flowers  
AND GREENS**  
LARGE SUPPLY OF ALL KINDS

**KENNICOTT BROS. CO.**  
WHOLESALE CUT FLOWERS  
163-165 N. WABASH AVE. CHICAGO  
L. D. Phone Central 466

# JOHN KRUCHTEN

L. D. Phone, Central 6269  
162 N. Wabash Ave., - CHICAGO

Wholesale Cut Flowers  
and Greens  
Gardenias a Specialty  
A Trial Order Solicited

### Cincinnati.

#### SUPPLY EXCEEDS DEMAND.

Summer dullness has the market tight in its grasp and at present there seems to be little chance of it releasing its hold. The supply is too large for the demand and as a result there is no single line that cleans up effectually. Carnations are the worst offenders and as soon as they are completely out everything should be better, for now most all those shipped in arrive soft and in poor condition. The local stock in this flower is still good. None of it realizes anything like a profitable price for the grower and it keeps down the prices on the other flowers. In addition to the splendid large pink asters that have been coming in, early white ones are now arriving regularly but so far have not found a very ready sale on account of the general slack conditions. Gladioli move fairly well. Sweet peas are still offered in quantity but sales are slow. Roses are in very good condition and are about the only flower that sells in any quantity. The list of them includes My Maryland, Kaiserin, Brides, Maids, Ivory, Richmond and Killarneys. The American Beauty market is good. Other offerings are lilies, both Easter and auratum, valley and water lilies. The business in green goods is excellent and includes a large call for fern, smilax and leucothoe.

#### CLUB MEETING.

The Cincinnati Florists' Club held its annual meeting and election of officers at the clubrooms on Monday evening. The successful candidates were Gus. Adrian, president; James Allem, vice-president; Alex Ostendarp, secretary; E. A. Forter, treasurer. and A. C. Heckman, Jr., trustee. Papers concerning publicity in the florist business, and very clever ones, too, were read by Herbert Greensmith, Ed. Schumann, A. C. Heckman, Jr., and O. H. Hoffmeister. After adjournment the club enjoyed the eats, refreshments and "smokes" that had been provided under Alex Ostendarp's guidance.

#### RESOLUTIONS ON THE DEATH OF WM. R. SMITH.

At a meeting of the Cincinnati Florists' Society in regular session news of the death of Wm. R. Smith of Washington, D. C., was received with feelings of deep regret. Words of praise were spoken concerning the noble, stalwart life he had lived, the inspiration and help he had always so freely given. His large and varied storehouse of knowledge on many subjects was commented upon. The ben-

efit of the experience he had gained in the profession which he so justly loved and in which he so profoundly excelled he was always to the last ready to share with others. The great help and impetus he has given to the horticultural world cannot be over-estimated, especially his help and assistance to the S. A. F. and O. H. from its inception. In view of these, a few of his many-sided qualities, therefore, be it

Resolved, That in the decease of W. R. Smith, horticulture has lost one of its most ardent and loving patrons; and be it further

Resolved, That the Cincinnati Florists' Society in full assembly express their deep sorrow and extend their heartfelt sympathy to all the bereaved relatives and friends; and be it further

Resolved, That a copy of these resolutions be sent to the trade papers and be spread upon the minutes of this society.

#### CINCINNATI FLORISTS' SOCIETY.

#### NOTES.

The Misses Weiland of Evanston, Ill. who have been the guests of Mr. and Mrs. P. J. Olinger for a month, leave for their home this week.

The J. M. McCullough Sons Co. is receiving some very fine carnations that find a very good call.

C. E. Critchell has been receiving very fine lilies from Popp Bros. of Covington.

B. P. Critchell seriously sprained his arm in a fall on Sunday.

Visitors: Arthur Harbison and sons, Harisburg, Ky.; W. C. Nolan, Portsmouth, Ohio.

#### Buffalo.

#### HEAT BRINGS DULL SEASON.

The always expected and never failing hot spell has arrived and Buffalo is its headquarters. Fortunately, school commencements, weddings and other events have all been taken care of. Now it is wait for work to come, and try to keep cool. Summer stock is as usual, open roses, fresh sweet peas and some good carnations. Candidum lilies are a pleasant change and ere long the aster, the florist's salvation when the stock is good will be here.

#### NOTES.

Palmer and son have the Genessee street window of their branch store given over to a very pretty arrangement of a log cabin, windmill, rookery and pond. The mill runs and the water falls over the rookery where the pond is filled with pink and white

water lilies, cyperius and several ferns of different varieties.

Vacations are in order. S. A. Anderson and family are at Farnham, W. F. Kasting is at Erie, and proprietors of the different stores are enjoying a needed rest at different places.

This week will see two large weddings. "Jack" Frost—the name sounds familiar, but not many of us have seen the real article recently—is to be one of the bridegrooms.

The event looked forward to by all is the annual picnic of the Buffalo Florists' Club, July 17. The picnic will be held at the Bedell House on Grand Island.

For the last two weeks South Park has been the beauty spot of Buffalo and is viewed by thousands each Sunday.

J. Fiebelkorn, of the Broadway Flower Shop, is contemplating some improvements at his place this summer. J. H. Rebstock has given up his Elmwood store and is devoting all his time to his Allen street store.

Miss Redmond, of Anderson's is sojourning at Sobeski Park. BISON.

#### Milwaukee.

#### MARKETS ARE LOADED.

For the past week business has been very quiet and the markets are loaded with all kinds of stock. Carnations are selling at any old price and the grade is becoming poorer each day. The hot weather that prevailed for the past week naturally is spoiling the stock very fast and the growers are beginning to throw out. Sweet-peas are also coming in heavily as a number of growers are beginning to cut from the out-door stock. Valley is plentiful again and all orders can be filled. Easter lilies are selling at reasonable figures. There are plenty of greens to fill all orders.

#### NOTES.

Heitman & Baerman have agreed to dissolve partnership. E. Oestreicher, who has been connected with all the branches of the florist business and now is associated with Mr. Heitman, will carry on the business, making a specialty of carnations.

C. B. Whitnall who is well known to the local florist trade was married June 26 to Miss E. Kattnauer and will be at home at 1184 Humboldt Ave.

The annual florists' picnic will take place Sunday, July 21, at Staperfeld Grove, and not on June 14 as announced. Everybody is invited to attend.

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MOST CENTRALLY LOCATED  
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## ROSES

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Roses. Red, White and Pink Carna-  
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Greens of all kinds.

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W. Halliday, of the C. C. Pollworth Co., has gone to the lake with his family to spend two weeks' vacation. W. Holton is still in the hospital, but the report is that he is improving. Miss Ella Voelske of Gust. Rusch & Co., is spending a two weeks' vacation at Tomah, Wis.

Currie Bros. say business is as good as might be expected considering the time of the year.

A. Currie is satisfied that the spring rush is over and is now busy taking stock.

R.

MARIETTA, O.—The Marietta Floral Co. has moved to 290 Front street.

NEW CANAAN, CONN.—Miss Bliss is having a new greenhouse built on Oenoka avenue.

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ROSES, VALLEY  
and CARNATIONS  
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## Wholesale Flower Markets

|                                  | CHICAGO, July 10. | Per doz.   |
|----------------------------------|-------------------|------------|
| Roses, Beauty, specials.....     | 3 50@             | 4 00       |
| " " 36-in.....                   |                   | 3 00       |
| " " 30-in.....                   |                   | 2 50       |
| " " 24-in.....                   |                   | 2 00       |
| " " 15-20-in.....                | 1 25@             | 1 50       |
| " " 12-in.....                   |                   | 75@ 1 00   |
|                                  |                   | Per 100    |
| " " Short.....                   |                   | 4 00@ 6 00 |
| " Killarney.....                 |                   | 3 00@ 8 00 |
| " White Killarney.....           |                   | 3 00@ 8 00 |
| " Richmond.....                  |                   | 3 00@ 8 00 |
| " Prince de Bulgarie.....        |                   | 4 00@10 00 |
| " Radiance.....                  |                   | 4 00@10 00 |
| " Mrs. Aaron Ward.....           |                   | 4 00@10 00 |
| " My Maryland.....               |                   | 3 00@ 8 00 |
| " Melody.....                    |                   | 4 00@10 00 |
| " Bride.....                     |                   | 3 00@ 8 00 |
| " Bridesmaid.....                |                   | 3 00@ 8 00 |
| " Mrs. Jardine.....              |                   | 3 00@ 8 00 |
| " Kaiserin Augusta Victoria..... |                   | 3 00@ 8 00 |
| Carnations.....                  |                   | 1 50@ 2 00 |
| Asters.....                      |                   | 2 00@ 4 00 |
| Cattleyas..... per doz.,         | 6 00              |            |
| Daisies.....                     |                   | 75@ 1 50   |
| Feverfew..... per bunch,         | 35@ 50            |            |
| Gardenias.....                   |                   | 3 00       |
| Gladioli..... per doz.,          | 75@ 1 00          |            |
| Lilium Harrisii..... per doz.,   | 1 50              |            |
| Marguerites.....                 |                   | 1 00@ 1 50 |
| Spanish Iris.....                |                   | 4 00       |
| Stocks fancy..... per doz.,      | 50@1 00           |            |
| Sweet Peas.....                  |                   | 50@ 1 00   |
| Peonies.....                     |                   | 2 00@ 4 00 |
| Valley.....                      |                   | 2 00@ 4 00 |
| Adiantum Croweanum.....          |                   | 1 00       |
| Ferns..... per 1000,             | 2 00              |            |
| Galax.....                       |                   | 1 25       |
| Leucothoe.....                   |                   | 75         |
| Plumose String..... each,        | 60                |            |
| Smilax..... per doz.,            | 2 50              |            |
| Sprengerl, Plumose Sprays.....   | 3 00@ 4 00        |            |

LOUISVILLE, KY.—Mrs. M. D. Reimers and C. B. Thompson & Co. were the prize winners in a flower pageant three miles in length which was held here June 25.

## Percy Jones

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

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American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock. WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000. Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

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Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland, and other seasonable stock.

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Chrysanthemum Novelties my specialty.

# EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio  
Pittsburgh, Pa.

Cleveland.

WEATHER MAKES BUSINESS DRAG.

Everything shows the effect of the intense heat, flowers and clerks both look wilted and sleepy, and business drags a little. Stock of all kinds still remains plentiful and it seems there will be no shortage of any kind to speak of this summer, as many asters are already coming on, and carnations are still hanging on. Roses, Easter lilies, water lilies, sweet peas, Lily of the valley, all are in abundant supply with only a limited demand.

NOTES.

A new horticultural and floricultural society has been formed here by such well known men as W. G. Mather, who is president; L. E. Holden, vice-president; John Stockwell, secretary and treasurer, for the purpose of holding flower shows. The first show, possibly a chrysanthemum exhibition, is to be held this fall. They have asked the co-operation of Cleveland florists through Adam Graham, Sr., president of the Florists' Club. The club at its meeting Monday evening appointed a committee of three to wait on Mr. Stockwell, secretary of the new society, and express the wish

## Wholesale Flower Markets

| BUFFALO, July 10.             |          | Per 100 |
|-------------------------------|----------|---------|
| Roses, Beauty, special        | 20 00    | 25 00   |
| "    "    lancy               | 15 00    | 20 00   |
| "    "    extra               | 12 00    | 15 00   |
| "    "    No. 1               | 6 00     | 10 00   |
| "    "    No. 2               | 2 00     | 4 00    |
| Bon Silene                    | 2 00     | 3 00    |
| Maid and Bride                | 3 00     | 6 00    |
| Pink Killarney                | 3 00     | 6 00    |
| White Killarney               | 3 00     | 6 00    |
| Richmond                      | 3 00     | 8 00    |
| My Maryland                   | 3 00     | 6 00    |
| Kaiserine                     | 3 00     | 8 00    |
| Carnot                        | 4 00     | 7 00    |
| "    "    arastions           | 1 00     | 2 00    |
| Iris                          | 1 00     | 1 50    |
| Candidum Lily                 | 4 00     | 5 00    |
| Gladioli (in doors)           | 3 00     | 5 00    |
| Lilium Longiflorum            | 7 00     | 10 00   |
| Lily of the Valley            | 3 00     | 4 00    |
| Peonies                       | 2 00     | 3 00    |
| Swainsona                     | 50       | 1 00    |
| Sweet Peas                    | per bu.  | 4 25    |
| Adiantum Croweanum            | 75       | 1 50    |
| Asparagus, per bunch          | 35       | 50      |
| "    "    Asparagus Sprengeri | 35       | 50      |
| Ferns                         | per 1000 | \$1 50  |
| Galax                         | per 1000 | \$1 50  |
| Smilax                        |          | 15 00   |

| BOSTON, July 10.                 |       | Per 100 |
|----------------------------------|-------|---------|
| Roses, Beauty, best              | 20 00 | 25 00   |
| "    "    medium                 | 12 00 | 20 00   |
| "    "    calls                  | 1 00  | 2 00    |
| "    "    Bride, Bridesmaid      | 2 00  | 6 00    |
| "    "    "    "    Extra        | 2 00  | 6 00    |
| "    "    Killarney and Richmond | 2 00  | 8 00    |
| "    "    My Maryland            | 2 00  | 8 00    |
| "    "    Carnot                 | 6 00  | 12 00   |
| Carnations, select               | 1 00  | 2 00    |
| Callas                           | 8 00  | 12 00   |
| Cattleyas                        | 35 00 | 50 00   |
| Gardenias                        | 6 00  | 12 00   |
| Lilium Longiflorum               | 4 00  | 8 00    |
| Lily of the Valley               | 2 00  | 4 00    |
| Mignonette                       | 3 00  | 6 00    |
| Narcissus, yellow                | 1 00  | 3 00    |
| "    "    white                  | 1 00  | 3 00    |
| Sweet Peas                       | 25    | 75      |
| Smilax                           | 12 00 | 18 00   |
| Snapdragon                       | 6 00  | 8 00    |
| Spiraea                          | 2 00  | 3 00    |
| Stocks                           | 2 00  | 4 00    |

| ST. LOUIS, July 10.         |       | Per 100 |
|-----------------------------|-------|---------|
| Roses, Beauty, medium stems | 25 00 | 30 00   |
| "    "    short stems       | 2 00  | 4 00    |
| "    "    Killarney         | 3 00  | 6 00    |
| "    "    My Maryland       | 3 00  | 6 00    |
| "    "    White Killarney   | 2 00  | 6 00    |
| Carnations                  | 1 00  |         |
| Asters                      | 2 00  | 4 00    |
| Easter Lilies               | 10 00 |         |
| Gladiolus                   | 4 00  | 6 00    |
| Peas                        | 40    | 60      |
| Valley                      | 3 00  | 4 00    |
| Asparagus Sprengeri         | 2 00  | 3 00    |
| Asparagus Plumosus, per bn. | 35    | 60      |
| Ferns, New, Fancy           |       | 1 50    |



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Columbus, Ohio

| CINCINNATI, July 10.        |           | Per 100      |
|-----------------------------|-----------|--------------|
| Roses, Beauty               | per doz.  | 50 @ 3 00    |
| "    "    Bride, Bridesmaid |           | 2 00 @ 8 00  |
| "    "    Killarney         |           | 2 00 @ 8 00  |
| "    "    My Maryland       |           | 2 00 @ 8 00  |
| "    "    Perle             |           | 2 00 @ 8 00  |
| "    "    Richmond          |           | 2 00 @ 8 00  |
| "    "    Taft              |           | 2 00 @ 8 00  |
| Carnations                  |           | 2 00         |
| Asters                      |           | 2 00 @ 5 00  |
| Lilium Gigantum             |           | 8 00 @ 10 00 |
| Gladioli                    |           | 2 00 @ 8 00  |
| Lily of the Valley          |           | 3 00 @ 4 00  |
| Shaata Dalaica              |           | 1 00         |
| Sweet Peas                  |           | 35 @ 50      |
| Adiantum                    |           | 1 00         |
| Asparagus Plumosus          | per bunch | 25           |
| Asparagus Sprengeri         | per bunch | 25           |

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CUT FLOWER AND  
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Supplies and Everything in Season always on hand

that the florists' club of Cleveland give it all the moral and personal support possible. As the society is composed of some of the wealthiest men in Cleveland, financial assistance is unnecessary. The new society also proposes to hold a spring show and promises to give very handsome cash prizes which is the best inducement possible.

Herman Knoble, of Knoble Bros., is also at his summer retreat on the lake. Both Mr. Knoble and Mr. Wilhelmy's children have the whooping cough.

At the meeting of the Florists' Club Monday evening, July 8, a committee was appointed to select a place and time for the annual picnic.

Ed. Wilhelmy, of Wilhelmy Bros., is spending the summer with his family in a cottage on the lake.

C. F. B.

NEW BEDFORD, MASS.—E. Y. Pierce is building a new greenhouse, 20x70 feet, at 49 Cottage street.

JERSEY CITY.—The New Jersey State Horticultural Society will hold an outdoor meeting at Woodcliff Lake, July 17.

LYNN, MASS.—A voluntary petition in bankruptcy has been filed by Walter B. Thompson, florist. The liabilities are given as \$2,375 and the assets \$225.

CHICAGO.—The M. Winandy Co., manufacturers of material for heating and constructing greenhouses, has been incorporated with a capital stock of \$2,500.

## Wholesale Flower Markets

| MILWAUKEE, July 10.     |            | Per 100    |
|-------------------------|------------|------------|
| Roses, Beauty, per doz. | 75@3 00    |            |
| .. Killarney            | 3 00@ 8 00 |            |
| .. Richmond             | 3 00@ 8 00 |            |
| .. White Killarney      | 3 00@ 8 00 |            |
| Carnations              | 1 00@ 2 00 |            |
| Asters                  | 2 00@ 3 00 |            |
| Daisies                 | 50@ 1 00   |            |
| Lilium Gigantum         | 1.25 doz.  | 8 00@10 00 |
| Sweet Peas              |            | 50         |
| Swainsona, per bunch    | 35         |            |
| Asparagus, per string   | 50         |            |
| .. Sprengeri, per bunch | 35         |            |
| Ferns, Fancy, per 1000  | 1 50       |            |
| Galax, per 1000         | 1 50       |            |
| Smilax, per doz.        | 2 00       |            |

| PITTSBURG, July 10.            |             | Per 100 |
|--------------------------------|-------------|---------|
| Roses, Beauty, special         |             | 25 00   |
| .. extra                       | 12 00@25 00 |         |
| .. No. 1                       | 6 00@10 00  |         |
| .. Bride, Bridesmaid           | 2 00@ 4 00  |         |
| .. Chatsway                    | 2 00@ 4 00  |         |
| .. Killarney                   | 2 00@ 4 00  |         |
| .. My Maryland                 | 2 00@ 4 00  |         |
| .. Richmond                    | 2 00@ 4 00  |         |
| Carnations                     | 1 50@ 2 00  |         |
| Castileas                      |             | 50 00   |
| Lilium Longiflorum             | 10 00@12 00 |         |
| Lily of the Valley             |             | 4 00    |
| Oncidiums                      | 3 00@ 4 00  |         |
| Sweet Peas                     |             | 50      |
| Violets, single                |             | 25      |
| .. double                      |             | 50      |
| Adiantum                       |             | 1 00    |
| Asparagus Sprengeri, per bunch | 35          |         |
| .. sprays, per bunch           | 35          |         |

| PHILADELPHIA, July 10. |             | Per 100     |
|------------------------|-------------|-------------|
| Roses, Beauty, extra   | 20 00@25 00 |             |
| .. first               | 8 00@12 00  |             |
| .. Brides and Maids    | 4 00@10 00  |             |
| .. Killarney           | 4 00@15 00  |             |
| .. White Killarney     | 4 00@15 00  |             |
| .. Liberty             | 4 00@15 00  |             |
| Callas                 |             | 8 00@10 00  |
| Castileas              |             | 35 00@50 00 |
| Gardenias, per doz.    | 1 00@2 00   |             |
| Lilium Harrisii        |             | 8 00@10 00  |
| Lily of the Valley     |             | 3 00@ 5 00  |
| Marguerites            |             | 75@ 1 00    |
| Mignonette             |             | 3 00@ 4 00  |
| Peonies                |             | 6 00@12 00  |
| Snapdragons            |             | 8 00@12 00  |
| Sweet Peas             |             | 50@ 1 00    |
| Adiantum               |             | 1 00@ 1 50  |
| Asparagus              |             | 50          |
| Smilax, per bunch      | 15 00@20 00 |             |

MERCERSBURG, PA.—Rush Myers and Albert Myers are building a new greenhouse, 30x85 feet.

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## New York.

## SUMMER DULLNESS PREVAILS.

The usual summer conditions are prevailing in the wholesale cut flower market. There is a demand only for a very small percentage of the large shipments that still continue to arrive. There was comparatively nothing doing on the Fourth, and one shipment of twelve thousand roses and twelve hundred carnations of the very best quality was sold by one dealer for thirty-three dollars, or twenty-five cents per hundred. This was considered by many to be a good sale. The demand was no better Sunday and good special American Beauties were sold in some cases at five cents each. During the week there has been only a very light demand for any of the different varieties of roses; even the novelties have to be disposed of with the large lots to the department stores. Carnations are still very much in evidence but the quality is rapidly getting poorer, so that it will be only a very short time before the growers will find it will not pay to continue shipping. There is no perceptible change in the orchid market except that the supply is less. There are still more lilies on the market than can be disposed of to advantage. Only a fair demand for lily of the valley, which is very plentiful and of very good quality. Sweet peas are of very fine quality, with prices lower. The consensus of opinion seems to be that there are entirely too many flowers on the market for the season of the year and it will be necessary to throw away large quantities as it does not pay to try to keep them from day to day during this very hot weather.

Monday, July 8.—The Greek-American Florists' picnic has taken all of the florists of that nationality out of town for the day, and their buying was very light. The weather is very warm; stock of all kinds plentiful with very little demand.

## NOTES.

The Bedford Flower Co., of Bedford Hills, N. Y., has completely overhauled the greenhouses and are now through planting. Included in the planting are many of last year's novelties in roses. The aim here will be to have quality rather than quantity. Just at present this firm is sinking an artesian well on its property.

A very interested visitor in the "street" during the week was Harry H. Francis, formerly a well known grower of Madison, N. J., but for the past few years engaged in the fruit growing business in Florida.

E. J. Lemon, Richmond, Ind., and Meyer Heller, of Newcastle, Ind., are in the city endeavoring to secure managers for their new retail stores which they will open in Cincinnati and Indianapolis.

The outlook at present is that there will be a large delegation to go by boat from New York to Boston to the Sweet Pea Exhibition which opens July 13.

Chairman Frank Traendly is much pleased with the favorable replies he is receiving from those going to the Chicago convention with the New York delegation.

John Miesmann of Elmhurst, L. I. has been in Philadelphia all the week with the German Singing Society of Brooklyn.

C. Albert Small and family are now occupying their cottage at Sea Gate, L. I., and will remain there until Oct. 15.

Another recent visitor was E. Koffman, formerly of Walden, N. Y., and known for years as the "Smilax King."

Charles C. Trepel and Mrs. Trepel are staying at Patchogue, L. I., for the month of July.

## Strawberry Plants

**POT GROWN.** Extra Strong, any quantity, any variety. Order early and have your plants selected for July delivery.

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John R. Weir and family are spending the summer at Asbury Park, N. J.

Many of the wholesale dealers are now closing their stores at 4 p. m.

Y.

## Philadelphia.

## LITTLE BUSINESS ON ACCOUNT OF HEAT.

It is red hot. Everybody is depressed by the torrid and close atmosphere and there is little business. The supply of cut flowers is more than enough. Sweet peas, which have been a factor for the past two weeks, are deteriorating, the heat and dry weather affecting the quality and quantity. Roses move slowly. The growers who are keeping in the old plants are sending in their cuts, in which are few species and much low grade stock that hardly pays the freight. My Maryland is preferred to Killarney, there being more body to the flower at this time. White flowers sell better than colored, as the principal summer business is for funeral work. Double white peonies are now in fine shape and find favor with the design makers. Kaiserin have stood the competition of the White Killarney but there is nothing like the quantity of former years. American Beauties are the best shipping rose but the local stock is much below form. The eastern shipments of this rose are fine and seem to carry very well. Eastern Kaiserin are of fine quality but generally are badly bruised. It takes three months to produce the buds and 10 minutes of bad packing to undo the good work of the grower. Now that correspondence schools for various lines find much favor, there appears to be a good field for a correspondence course on "How to Pack Flowers," taught by mail. Let the growers and their agents buy these courses for many of their men. There should be demand enough to keep one instructor busy mailing them out the rest of his natural life. Carnations are still in demand and it is surprising how good some of them are still to be seen. Lily of the valley and Easter lilies are to be had in quantity. In fact, one firm was throwing out lily of the valley which they have many times sold for \$3 per hundred. There are cattleyas and gardenias sufficient for all demands.

## NOTES.

Hugh Dickson, the great rose grower of Ireland, spent a few days in the city as a guest of Alexander Scott. As a compliment he was tendered an auto ride to inspect our parks and surrounding suburban beauty spots. John Burton and his son George provided the cars. Besides Mr. Dickson the party consisted of John Burton, George Burton, Alexander Scott, John Westcott, S. S. Pennock, George C. Watson and Robert Kift. The trip was delightful. A stop was made for Commodore Westcott, and then the route lay through the beautiful drives of the park and Wissahicken, on up into Montgomery country, passing on every side the well kept lawns and landscapes of Philadelphia's "four hundred." A lunch was enjoyed at Fortside Inn, after which the ride was continued to the Wanamaker, Newbold and Widener estates, where the various bedding and rose gardens were inspected. The trip wound up at Wyndmoor and all were much pleased with the ride, Mr. Dickson being the most enthusiastic of the party. Mr. Dick-

son and his wife, together with Alexander Scott, sailed for Ireland on July 6. Mr. Scott goes to the rose gardens of the Dickson Co. to spend a month with the seedlings, selecting from the thousands as they flower such as he thinks will become good forcing varieties for cultivation in America.

The trade hears with deep regret of the death of that grand old man, William R. Smith, of Washington. His has been an experience that falls to the lot of few men. His mind was a veritable storehouse of horticultural knowledge, from which he was always taking for the benefit of his fellow men. K.

## Washington.

## BUSINESS VERY SLIGHT.

There is little to be said about business because there is but little business, the average amount of funeral work being about all there is to depend upon. As good a quality of stock as can be expected at this season keeps coming in. The weather of the past week, while not reaching the point of killing heat, has been warm and very dry. Sweet peas in the open are doing little unless regularly watered. Carnations in the field are making good growth, but would now be better for rain. Asters are growing well, but not yet flowering. The old stock of carnations which has held out well, is now about finished and most of the growers are throwing them out, and making preparations for planting the new stock.

## NOTES.

The Florists' Club held a brief session on the night of July 2. Several names were proposed for membership. The event of the evening was the crab feast tendered the members of the club and others of its friends and associates, by Edward S. Schmid. The feast was held in the large cool basement of the Gude Brothers Co.'s store. There were about fifty guests and short speeches were made by Mr. Schmid, W. W. Kimmel, W. F. Gude and others. Some amusing stunts were pulled off by a professional entertainer. Handsome souvenirs to which unique designs were attached were presented by Mr. Schmid and he was unanimously voted a jolly good fellow.

The death of W. R. Smith creates a vacancy in the office of Superintendent of the U. S. Botanical Garden. Quite naturally there is some speculation as to whom will be Mr. Smith's successor. One of those mentioned is Leslie Reynolds, who for many years has been a valuable assistant to Mr. Smith and who has been acting superintendent since Mr. Smith became critically ill. Mr. Reynolds is a man of fine character and is thoroughly informed on the great variety of matters on which the superintendent of such an institution is called to pass judgment.

Mrs. Joseph Holland, wife of an Alexandria, Va., florist, well known in Washington, died July 5. She leaves three children, the oldest being only five years. Mr. Holland has the sympathy of the trade in this great affliction.

The Washington Florists' Club will join Kallipolis Grotto No. 15, Mystic Order of Veiled Prophets of the Enchanted Realm, in their annual outing to Chesapeake Beach, July 24.



A. F. F.

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| "    extra and fancy.....                   | 2 00@ 3 00  |
| "    No. 1 and No. 2.....                   | 50@ 1 00    |
| "    Killarney, My Maryland.. 2 00@ 4 00    |             |
| "    extra and fancy 1 00@ 2 00             |             |
| "    No. 1 and No. 2.....                   | 50@ 1 00    |
| "    Richmond.....                          | 1 00@ 5 00  |
| Carnations.....                             | 1 00        |
| Cattleyas.....                              | 10 00@25 00 |
| Gardenias.....                              | 2 00@10 00  |
| Lilies, Longiflorum and Harrisii 1 00@ 3 00 |             |
| Lily of the Valley.....                     | 1 00@ 3 00  |
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Oklahoma City.

The Fourth of July seems to have been the termination of the season as regards social events and society weddings, for now there is nothing doing in the flower trade, aside from an occasional funeral order.

### NOTES.

We shall probably have two representatives from this city in attendance at the S. A. F. convention in Chicago next month. If the S. A. F. should have any idea of invading and doing missionary work in the great Southwest this city would be the ideal spot for the meeting. We are located quite as favorably for big business as are either Omaha or Asheville when conventions were held at those places. As a business proposition this matter of holding a convention here is worthy of some investigation.

Lou Foster of the Barteldes store is actively interested in politics and it is quite within the bounds of possibility that some day he will have a seat in the state legislature.

Geo. Stiles of the Stiles Co., is the owner of a very fine automobile and takes a good deal of pleasant recreation touring around the adjacent country. S. S. B.



## FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000  
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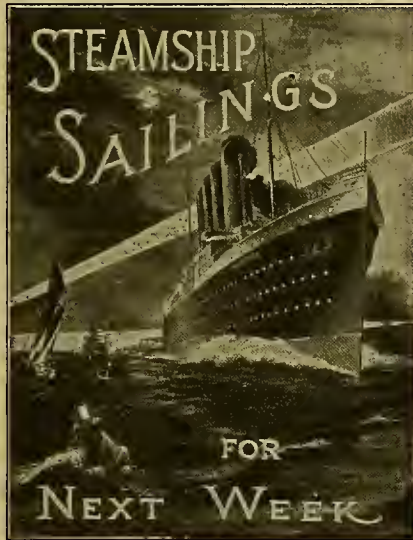
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### Steamship Sailings.

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FROM MONTREAL, Sicilian, Allan, July 14.  
Campania, Cunard, July 16.  
FROM BOSTON, Cymric, White Star, 11 a. m.  
New Amsterdam, Hol.-Amer., 10 a. m.  
Kroopriuz Wilhelm, No. Ger. Lloyd, 10 a. m. July 17.  
Oceania, Austro-Amer., 1 p. m. July 18.  
FROM MONTREAL, Lake Manitoba, Can. Pac. Carpathia, Cunard.  
La Savoie, French, 10 a. m.  
Celtic, White Star, 12 noon.  
President Lincoln, Ham.-Amer., 9 a. m.  
Hellig Olav, Scan.-Amer., 2 p. m. July 19.  
FROM MONTREAL, Victorian, Allan.  
FROM PHILADELPHIA, Mesaba, Red Star, 10 a. m.  
Venezia, Fabre, 3 p. m. July 20.  
FROM MONTREAL, Grampian, Allan.  
Camerouia, Anchor, 12 noon, Pier 64, North River.  
New York, American, 9:30 a. m., Pier 62, North River.  
Kronlund, Red Star, 10 a. m., Pier 61, North River.  
FROM MONTREAL, Laurentic, at daylight.  
Danube, R. M. S. P., Pier 42, North River.  
FROM MONTREAL, Sturuis, Donaldson, at daybreak. July 21.  
FROM MONTREAL, Ionian, Allan. July 23.  
FROM BOSTON, Laconia, Cunard.  
Noordam, Hol.-Amer., 10 a. m. July 25.  
Adriatic, White Star, 12 noon.  
Bremen, Nor. Ger. Lloyd, 10 a. m. July 26.  
FROM MONTREAL, Empress of Britian, Can. Pac. July 27.  
Caledonia, Anchor, 9 a. m., Pier 64 North River.  
FROM PHILADELPHIA, Merion, Amer., 10 a. m.  
Zeeland, Red Star, 10 a. m., Pier 61, North River.  
Prinz Friedrich Wilhelm, No. Ger. Lloyd, 10 a. m., Bremen Pier.  
Czar, Russian-American, 2 p. m.

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LONG DISTANCE No. 40  
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Denver, Colo.

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ORDERS SOLICITED.

Name Index to Retail Florists  
Filling Telegraph Orders.

Alpha Floral Co., Chicago.  
Alpha Floral Co., Des Moines, Ia.  
Anderson Floral Co., Andraon, S. C.  
Anderson, S. A., 440 Main, Buffalo, N. Y.  
Atlanta Floral Co., Atlanta, Ga.  
Baer, Julius, 133 E. 4th St., Cincinnati.  
Bertermann Bros. Co., Indianapolis, Ind.  
Boland, J. B., San Francisco.  
Boldt-Lundy Flower Shop, Denver, Colo.  
Bowe, M. A., New York.  
Breitmeyer's Sons, John, Detroit, Mich.  
Buckbee, H. W., Rockford, Ill.  
Clark's Sons, D., New York.  
Cleveland Cut Flower Co., Cleveland, O.  
Cooke, Geo. H., Conn. Ave. and L. Washington.  
Crump, Frank, Colorado Springs, Colo.  
Daniels & Fisher, Denver, Colo.  
Dard'a, 44th and Madison Ave., New York.  
Duerr, Chas. A., Newark, O.  
Dunlop's, 96 Yonge St., Toronto, Can.  
Eyres, 11 N. Pearl St., Albany, N. Y.  
Freeman, Mrs. J. D., Toledo, O.  
Galvin, Thos. F., Boston.  
Gasser, J. M., Co., Cleveland, O.  
Geny Bros., Nashville, Tenn.  
Grand Rapids Floral Co., Grand Rapids, Mich.  
Gude Bros., Washington.  
Habermann, Charles, New York.  
Hatcher, Florist, Amsterdam, N. Y.  
Hatcher, Florist, Schenectady, N. Y.  
Heinl & Son, J. G., Terre Haute, Ind.  
Hess & Swoboda, Omaha, Neb.  
Hoffman, 59 Mass. Ave., Boston.  
Holm & Olson, St. Paul, Minn.  
Keller Sola, J. B., Rochester, N. Y.  
Kellogg F. & P. Co., Geo. M., Kansas City.  
Kliff, Robert, 1725 Chestnut, Philadelphia.  
La Crosse Floral Co., La Crosse, Wis.  
Lange, A., 25 E. Madison St., Chicago.  
Mangel, 17 E. Monroe St., Chicago.  
Masur, S., Brooklyn, N. Y.  
Matthews, 16 3rd St., Dayton, O.  
May & Co., L. L., St. Paul, Minn.  
McConnell, Alex., New York.  
McKenna, Montreal, Can.  
Murray, Samuel, Kansas City, Mo.  
Myer, Florist, New York.  
Palmer, W. J., & Son, Buffalo.  
Park Floral Co., The, Denver, Colo.  
Penn, the Florist, 43 Bromfield St., Boston.  
Podesta & Baldocchi, San Francisco.  
Pollworth Co., C. C., Milwaukee.  
Rock Flower Co., Wm. L., Kansas City.  
Saakes, O. C., Los Angeles, Calif.  
Saltford Flower Shop, Poughkeepsie, N. Y.  
Schiller The Florist, 2221 W. Madison St., Chicago.  
Schling, Max, 22 W. 59th St., New York.  
Schulz, Jacob, Louisville, Ky.  
Shaffer, Geo. C., Washington.  
Smith Co., A. W., Pittsburg, Pa.  
Smith, Henry, Grand Rapids, Mich.  
Texas Seed and Floral Co., Dallas, Tex.  
Valentine, Frank, 153 E. 110th St., New York.  
Walker & Co., Louisville, Ky.  
Weber, F. H., St. Louis, Mo.  
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.  
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.  
Witthold, 56 E. Randolph St., Chicago.  
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.  
Young & Nugent, New York.  
Young's, 1406 Olive, St. Louis, Mo.

Detroit, Mich.

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Corner Miami and Gratiot Avenues.

Artistic Designs.  
High Grade Cut Blooms.

We cover all Michigan points and good Sections of Ohio, Indiana and Canada.  
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D. C.

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All Orders Given Prompt and Careful Attention

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J. A. VALENTINE,  
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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

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**Robert Kift,**

1725 Chestnut St.

Personal Attention to all Orders.

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Phone 6404 Madison Sq. 6 East 33d St.  
Our Motto—THE GOLDEN RULE.

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Flowers in any arrangement for all occasions.  
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Largest Floral Establishment in America.  
Established 1874. Incorporated 1909.

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Best Quality on Shortest Notice

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Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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**CLEVELAND, O.**

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We Cover All Points in Ohio.



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*McKenna*

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All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

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41 Peachtree Street.

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Send flower orders for delivery in

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Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.  
229 WEST THIRD STREET.

**City Index to Retail Florists Filling Telegraph Orders.**

- Albany, N. Y.—Eyes, 11 N. Pearl St.
- Amsterdam, N. Y.—Hatcher, Florist.
- Auderson, S. C.—The Auderson Floral Co.
- Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
- Boston—Thos. F. Galvin, Inc., 124 Tremont St.
- Boston—Hoffman, 59-61 Mass. Ave.
- Boston—Penn, the Florist, 43 Bromfield St.
- Brooklyn, N. Y.—S. Masur.
- Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
- Buffalo, N. Y.—S. A. Anderson, 440 Main.
- Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
- Chicago—Alpha Floral Co.
- Chicago—Mangel, 17 E. Monroe St.
- Chicago—A. Lange, 25 E. Madison St.
- Chicago—Schiller The Florist, 2221 W. Madison.
- Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
- Chicago—Wittbold's, 56 E. Randolph St.
- Cleveland, O.—The Cleveland Cut Flower Co.
- Cleveland, O.—The J. M. Gasser Co.
- Colorado Springs, Colo.—Frank F. Crump.
- Dallas, Tex.—Texas Seed and Floral Co.
- Dayton, O.—Matthews, 16 W. 3rd St.
- Denver, Colo.—The Boldt-Lundy Flower Shop.
- Denver, Colo.—The Park Floral Co.
- Des Moines, Ia.—Alpha Floral Co.
- Detroit, Mich.—John Breitmeyer's Sons.
- Grand Rapids, Mich.—Grand Rapids Floral Co.
- Grand Rapids, Mich.—Henry Smith.
- Indianapolis—Bertermann Bros. Co., 214 Mass.
- Kansas City—Geo. M. Kellogg, F. & P. Co.
- Kansas City—Samuel Murray.
- Kansas City—Wm. L. Rock Flower Co.
- La Crosse, Wis.—La Crosse Floral Co.
- Little Rock, Ark.—Vestals, 409 Main St.
- Los Angeles, Calif.—O. C. Saakes.
- Los Angeles—Wolfskill Bros. & M. Goldenson.
- Louisville, Ky.—Jacob Schulz, 550 4th Ave.
- Louisville, Ky.—F. Walker & Co., 634 4th Ave.
- Millwaukee—C. C. Pollworth & Co.
- Montreal—McKenna.
- Newark, Ohio—Chas. A. Duerr.
- Nashville, Tenn.—Geny Bros.
- New York—M. A. Bowe.
- New York—D. Clark's Sons, 2139 Broadway.
- New York—Dard's, 44th and Madison Ave.
- New York—Alex. McConnell, 611 5th Ave.
- New York—Charles Habermann.
- New York—Myer, Florist, 609 Madison Ave.
- New York—Max Schling, 22 W. 59th St.
- New York—Frank Valentine, 158 E. 110th.
- New York—Young and Nugent.
- Omaha, Neb.—Hess & Swoboda, Farnum St.
- Philadelphia—Robert Kift, 1725 Chestnut.
- Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
- Poughkeepsie, N. Y.—The Saltford Flower Shop.
- Rochester, N. Y.—J. B. Keller's Sons.
- Schenectady, N. Y.—Hatcher, Florist.
- Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
- St. Louis, Mo.—F. H. Weber.
- St. Louis, Mo.—Young's, 1406 Olive St.
- St. Paul, Minn.—Holm & Olson.
- St. Paul, Minn.—L. L. May & Co.
- San Francisco—J. B. Boland, 60 Kearney St.
- San Francisco—Podesta & Baldocchi.
- Terre Haute, Ind.—J. G. Heiml & Son.
- Toledo, O.—Mrs. J. D. Freeman.
- Toronto, Can.—Dunlop's, 69 Yonge St.
- Washington—Geo. H. Cooke, Conn. Ave. and L.
- Washington—Gude Bros.
- Washington—Geo. C. Shaffer, 14th and I Sta.

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2139-2141 Broadway,

Telephones: 1552-1553 Columbia Choice Cut Flowers.

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Prompt and careful attention to orders from out-of-town florists.

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**O. C. SAAKES**

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

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**The Cleveland Cut Flower Co.**

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

Washington, D. C.

**Geo. C. Shaffer**

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**  
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We deliver anywhere in Canada and guarantee safe arrival.

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**C. C. Pollworth Co.**

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

**GRAND RAPIDS FLORAL CO.**

ALFRED HANNAH & SONS, Will fill your orders for Designs and Cut Flowers in Michigan

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Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

**GEORGE ASMUS, Mgr.**

Wire, Write or Phone West 822

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FLORISTS  
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189  
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

**CHAS. A. DUERR,**  
The Arcade Florist,

Greenhouses,  
Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

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**VESTALS**  
PAUL M. PALEZ, Mgr.  
409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

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912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

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**Geny Bros.** LEADING FLORISTS  
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New York.

**MYER, FLORIST** 609-611 Madison Ave  
Phone 5297 Plaza.

**Flower Colors**

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

**American Florist Co.,**

440 S. Dearborn Street, CHICAGO

## Max Schling

NEW YORK

No. 22 West 59th Street  
Adjoining Plaza Hotel

Nashville.

FIRST DULL TIME SINCE EASTER.

For the first time in many weeks or in fact since Easter, trade has been what might be called dull and there has been little or nothing doing. The flower supply has been most excellent, and for this time of year has been of good quality. The summer blooming roses are coming on finely and are furnishing a good class of design work, the stems being yet too short for cut flowers. Sweet peas are about done after having been on in a great glut for some weeks. Asters are coming in but are not very large in size, as they never are at first. Gladioli are being used a great deal now, and are a favorite for funeral bunches as well as for decoration purposes. They are very fine and of every known color. There are some Easter lilies still on hand but the Japanese lily is coming in to take their place. The florists have lots of candy-tuft and sweet alyssum that serve well in funeral work. There is still some sale on pot plants, such as gloxinia, tuberous begonia and odds and ends.

NOTES.

The home of Leon Geny was the scene of a beautiful children's party the evening of July 3, when Mrs. Geny's little daughter Christine celebrated her ninth birthday. The beautiful new home on Twenty-second avenue was exquisitely decorated with a profusion of cut flowers and potted plants, palms and hydrangeas. In keeping with the Fourth so near at hand, flags and bunting were also used. About seventy-five little boys and girls were present and when gathered on the front lawn and veranda rivaled a most beautiful and effective display of Easter flowers. American Beauty and other roses were used in the decorations, and every child was given a flower.

Geny Bros. still have some fine hydrangeas and they say their roses My Maryland and Kaiserin are giving great satisfaction and will soon give them an abundant supply. The continuous rain with which this section had been favored has not injured their supply of cut flowers and has made the out-of-door stuff grow out of all reason.

The Joy Floral Company has very good American Beauties as well as other roses and not a few carnations still.

M. C. D.

WOBURN, MASS.—F. E. Emery has bought the W. G. Feffrey greenhouses of F. E. Lind.

BOSTON, MASS.—A. A. Pembroke of North Beverly has been granted a permit to build a greenhouse to cost \$12,750.

HAVERSTRAW, N. Y.—John J. Coonan, well-known florist, was united in marriage with Miss Josephine Dorritte, June 15.

MONONGAHELA, PA.—Charles Crall, the local florist, has purchased the floral business of Earl Lutes, of Monessen.

Schenectady, N. Y.

Amsterdam, N. Y.

**Hatcher**

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

**HATCHER, Florist, Amsterdam, N. Y.**

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**CHARLES HABERMANN**  
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Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

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The Most Central Location in City.

**F. H. WEBER,**  
Boyle and Maryland Aves.  
CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768  
Mention the American Florist when writing

St. Louis, Mo.

Write, Wire or Phone Your Orders to

**YOUNGS**  
1406 Olive Street,  
Regular discount allowed on all orders, either  
Plants or Cut Flowers.  
Phones Bell, Main 2306; Kinloch Central 4981  
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**WITTBOLD'S**

New Display Rooms, 56 E. Randolph Street  
CHICAGO

Flowers Palms Decorations  
Rented or Sold

Phones:—Randolph 4708. Nursery, Rogers  
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Poughkeepsie, N. Y.

**"The Saltford Flower Show**  
Vassar College and Bennett School.

Rockford, Ill.

**H. W. Buckbee**

# We Have Them. You Will Want Them

COME AND SEE THEM.

You Will Be Sure to Buy Them. What Are They?

## HEACOCK'S KENTIAS

Of Course. Of Decorative Sizes we have the following:

- 900 Kentia Forsteriana, 12-in. cedar tubs, 5 to 7 ft. high, made-up plants.
- 260 Kentia Belmoreana, 12-in. cedar tubs, 5 to 6 ft. high, made-up plants.
- 1,500 Kentia Belmoreana, 9-in. cedar tubs, 4 to 6 ft. high, single plants.
- 850 Kentia Forsteriana, 9-in. cedar tubs, 4 to 5 ft. high, made-up plants.
- 880 Kentia Forsteriana, 7-in. cedar tubs, 3 to 3½ ft. high, made-up plants.
- 1,180 Kentia Belmoreana, 7-in. cedar tubs, 3 to 3½ ft. high, single plants.

All the Smaller Sizes in Great Quantities.

Pronounced by competent judges to be the finest lot of Home-Grown Kentias ever offered to the American Trade. They are Well Established, Strong and Healthy.

700 Cibotium Schiedii, in 7-in. pots and 9-in. tubs. Grand plants.

Price List for the Asking.

We are easily reached—only 25 minutes from Reading Terminal, Philadelphia. Fifty trains each way every week-day—so you can suit your convenience, both going and coming. Then you can see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Sizes, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. With increased glass devoted to Palms, our stock is much larger and in better condition than ever before.

**JOSEPH HEACOCK CO.,**

**Wyncote, Pa.** Railway Station, Jenkintown.

## Geraniums

Rooted cuttings of S. A. Nutt, and Ricard at \$10.00 per 100; Poitevine at \$12.50 per 1000. August delivery: prices change Oct 1st.

### Plumosus

The kind that my customers have been buying for the past 15 years; it was always right and is better than ever now. \$25.00 per 1000, \$2.50 per 100.

### Smilax

Well hardened stock, not quite as large as last season, but good little plants ready for business. \$12.50 per 1000; \$1.50 per 100.

### German Iris

A fine lot of mixed roots at \$1.00 per 100.

**ALBERT M. HERR, Lancaster, Pa.**

## POINSETTIAS

July Delivery.

We will have a fine lot ready early in July. Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½ in. \$5 per 100; \$45 per 1000.

**A. HENDERSON & CO.**

352 N. Michigan Ave., CHICAGO.

Budding Knife Free.

See Page 1497.

## The Two Best Roses of The Year

### Killarney Queen and Double White Killarney

Grafted plants for immediate delivery, \$30 per 100; 250 for \$70; \$250 per 1000. Own Root, \$25 per 100; \$200 per 1000.

**RICHMOND, Grafted,** \$15 per 100; \$120 per 1000; Own Root, \$7.50 per 100; \$60 per 1000.

**MRS. TAFT, Rivoire.)** Own root, \$7.50 per 100; \$60 per 1000.

**RADIANCE,** Own root, \$7.50 per 100; \$60 per 1000.

**A. N. PIERSON, Inc., Cromwell, Conn.**

## Des Plaines Floral Co Carnations.

Des Plaines, Illinois

Mention the American Florist when writing

Double Fringed Petunias, Heliotrope, Queen of Violets, Geraniums, Nutt and Hill, 2 in. pots, per 100, \$2.00; Geranium Mme. Buchner, 2 in. pots, per 100, \$1.50. Daisy, Mrs. F. Sander, 2 in. pots, per 100, \$3.50. Chrysanthemums, 8 var., 2 in. pots, per 100, \$2.00. Bellis Daisy, white and pink, good plants, 50c. Pansy, Early Spring seedlings, now ready, of our choice strain, \$2.50 per 1000; 5000 for \$10.00. All carefully grown—prompt shipment.

Elmer Rawlings, Wholesale Grower, Olean, N. Y.

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## CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE - - INDIANA

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## ASTERS.

Simple's Branching, best strain in white, pink and purple, fine plants from field, \$2.50 per 1000; 5,000 for \$10.00. Smilax, fine bushy plants, 2½-in., \$1.50 per 100, \$14.00 per 1000. Primulas, Obconica and Chinese strong 2½-in., \$2.50 per 100.

**J. C. SCHMIDT, Bristol, Pa.**

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## The Seed Trade.

### American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;  
Harry L. Holmes, Harrisburg, Pa., First  
Vice-President; Arthur B. Clark, Milford,  
Conn., Second Vice-President; C. E. Kendel,  
Cleveland, O., Secretary and Treasurer;  
J. M. Ford, Ravenna, O., Assistant Secretary.  
Next annual convention, June, 1913.

BOZEMAN, MONT., July 10.—The pea crop prospects are only fair here.

THE tuberose crop condition is reported to have improved during the last 15 days.

VISITED CHICAGO: C. E. Leiser, of the Leiser Seed Co., Little Rock, Ark., and family.

GRAND RAPIDS, MICH.—Pea vines show some inclination to rot this very hot, wet weather.

NEW crop seed of winter vetch is reported as likely to be as light as last year with prices about the same.

FRENCH advices of June 26 report a seamen's strike at Marseilles. If it is soon settled liberal shipments will be made during the first third of July.

WILMINGTON, DEL.—The Dickinson Seed Co. of this city has been incorporated with a capital stock of \$1,250,000. E. E. McWhiney, William J. Maloney and Herbert E. Potter are the incorporators.

SOME French bulb shipments will be early this year, as it is reported that the Sant' Anna carried several consignments from Marseilles July 5. Other shipments will not be ready until the steamer sailing July 12.

STURGEON BAY, WIS.—T. A. Hopkins arrived recently from New York and after attending to some business matters left June 27 for St. Anthony, Idaho, being accompanied by Will Ives, who will remain in his employ. Mrs. Hopkins and family will spend the summer East and some time in September will return here to get Mrs. Ives, after which they will also go to the new home in Idaho to remain permanently.

MISS RENEE DENAIFFE, daughter of Henri Denaiffe, senior of Denaiffe & Son, Carignan, France, was married June 4 to Jean Collee, agricultural engineer, graduate of the Beauvais Institute. Mr. Collee succeeds to the interest of the late Clement Denaiffe in the old seed growing establishment of Denaiffe & Son, which now is owned and managed exclusively by Henri and Maurice Denaiffe (father and son).

DUTCH reports on parsley, turnip and rutabaga are that these crops have suffered very much from the extraordinary drought of last autumn and further by the severe frosts in the spring. Much acreage has been destroyed. Beet, sugar beet and mangel wurzel also failed to attain proper size last autumn. In consequence the acreage is smaller than usual. While the present stand is fairly satisfactory the product will be too small to cover the demand. The cabbage crop will be light.

## AMERICAN SEED TRADE ASSOCIATION

Annual Convention, Chicago, June 25-27.

### Social Features.

On Wednesday afternoon the members, ladies and guests were tendered by the Chicago seedsmen an automobile ride through the extensive boulevard and park system of Chicago, the route covering about forty-five miles through Lincoln, Humboldt, Garfield, Douglas, Washington and Jackson parks, and passing Sherman and Gage parks. The long procession of some forty automobiles all traveling at about the speed limit and carrying something like two hundred and fifty people was an inspiring sight. It being vacation season, Chicago's young people were largely in evidence in the various parks, and the

the whetted appetites of the visitors for the banquet later. Everybody returned to their hotel in ample season to prepare for the night's festivities.

### The Annual Banquet.

At 8:00 P. M. in the Hotel Sherman an elaborate banquet was laid at which some two hundred and fifteen guests were seated as at the afternoon luncheon. The banqueters were disposed in groups at small tables, one long table being reserved for the past presidents and guests of honor. At this table were seated the following: Albert Dickinson and Mrs. Dickinson, Leonard H. and Mrs. Vaughan, George S. and Mrs. Green, W. P. and Mrs. Stokes, Albert McCullough, J. C. and Mrs. Vaughan, Charles N. Page, President-elect, W. H. Grenell, H. W. Wood, Watson S. and Mrs. Woodruff, J. C. Robinson, E. L. and Mrs. Page and Mr. S. F. Leonard. All of the gentlemen named were past presidents with the exception of Albert Dickinson and S. F. Leonard. Walter P. Stokes of Philadelphia acted as toastmaster. A highly appreciated feature was the music by the Imperial Quartette, both vocal and instrumental. The songsters and instrumentalists certainly were not idle a moment and they caused the time to pass like magic. A satisfactory menu having been disposed of, retiring President Vaughan smote the table with the gavel and was received with an outburst of applause and a chorus of shouts: "Who's all right? Vaughan's all right! What's the matter with Vaughan? What's the matter with Chicago?"

In introducing the toastmaster of the evening, retiring President Vaughan said: "Ladies and gentlemen, at Marblehead last year we were all full of onion sets. Tonight we have with us a representative of that peaceful, quiet city of 'Brotherly Love,' Philadelphia. I take great pleasure in introducing at this time our toastmaster for the evening, our Association's official photographer, Mr. Walter P. Stokes." (Applause.) "It is not necessary for me to tell you anything about him, you all know him." (Applause.)

Toastmaster Stokes said in reply: "Ladies and gentlemen, members of our Association, I am sure I express the feeling of every one of us who are guests on this occasion when I say that we most heartily appreciate and reciprocate the cordial hospitality that has been extended to us by our Chicago friends, not only on the occasion of this



W. D. Ross, Worcester, Mass.

Member of Executive Committee, American Seed Trade Association.

visitors noted with approval the care that the city fathers take to make life enjoyable for the young. The tennis courts, the baseball diamonds and the various lagoons and natatoriums all testified to Chicago's munificence in this respect. The seedsmen also noted with approval the fact that the city had utilized vacant grounds by planting vegetable gardens, the proceeds of which are given to charity. At about four o'clock the party arrived at the rendezvous, the South Shore Country Club, where a delicious luncheon was served with the design of not spoiling

## Pieters-Wheeler Seed Company

Growers of  
High Grade  
SEED

Hollister,  
California



Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.

Correspondence  
Solicited.

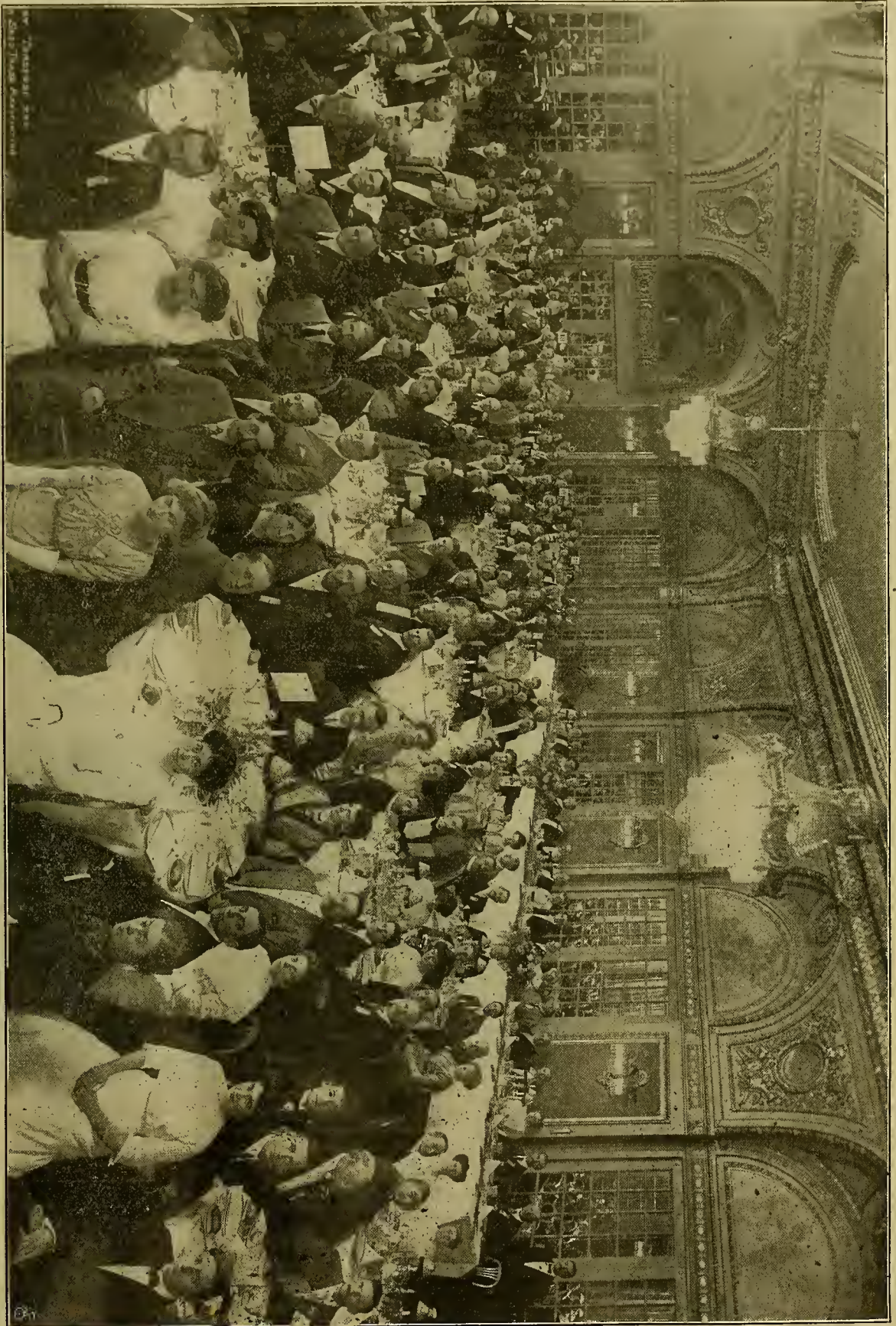
## BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

VICK QUALITY  
SEEDS  
PLANTS  
BULBS

ASK FOR WHOLESALE CATALOGUE.

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



AMERICAN SEED TRADE ASSOCIATION BANQUET, HOTEL SHERMAN, CHICAGO, JUNE 26, 1912.

banquet but on the automobile ride that they gave us this afternoon, in which we had a splendid opportunity to see the great city with its wonderful system of parks. The one thing that impressed me upon that ride was the evident care which the city fathers here are taking to look out for the coming generation in providing for them suitable opportunities for their pleasure and pastime. The early settlers of this great city who made this all possible did not enjoy such opportunities, and it is wise in them as well as kindly to give to the coming generation these splendid parks and these splendid opportunities for play that we have seen on our afternoon ride.

"But I am not here tonight to tell you about onion sets, or to talk about Philadelphia. I am here merely to see that you are properly entertained with speakers who can give you some valuable information. I am sure there is no one subject in which this whole assembly is more interested than in the question of adequate transportation. Particularly is this the case since our beloved growers are all moving thousands of miles away from us, and we shall have to look to the transportation companies to deliver their product, as they and we are anticipating. It gives me very great pleasure to introduce to you tonight the first speaker of the evening, Mr. Henry C. Barlow, of the Chicago Association of Commerce, who will speak to us on expedited transportation, something he is well fitted to do, since he is the traffic director of the organization to which he belongs."

#### The Spring Business.

We present herewith a number of reports on the spring business of 1912 from leading centers:

Currie Bros. Co., Milwaukee.—Our seed business for 1912 was as large as any we have ever done. The business was very slow in starting up, but the orders received later far exceeded our expectations, both in number and in financial returns. A little more, and we would have done twice as much business this year as last. In this respect, it has been a very satisfactory year. However, business was delayed a couple of months on account of the late season.

J. Steckler Seed Co., New Orleans.—The business compares very favorably with other years, considering the fact that we have had about four months rain out of five and large portions of the state have been under water. But for this we feel that the spring business would have been far above the average.

Leonard Seed Co., Chicago.—The season of 1912 has been very satisfactory. The increase over last year is gratifying. The fact that our policy has been to eliminate the mail order and packet adjuncts of the business and confine ourselves to dealing with the trade, has contributed to our increase.

Wm. Elliott & Sons, New York.—Trade in seeds has been far in advance of last season, although crops were short last year. Considering the extreme shortage of carrot and beet seed we were lucky enough to have carried over sufficient stock to cover our wants.

Wood, Stubbs & Co., Louisville, Ky.—The seed business with us has been considerably better than in 1911, both in the garden and field seeds. The volume of business has been larger and the sales considerably more than last year.

John Lewis Childs, Floral Park, N. Y.—Our business this spring has been almost the same in volume as last year, notwithstanding the fact that our expenses in catalogues and advertising were cut down some \$30,000. The

volume of business during April and May was about as large as we have ever experienced during those months

#### Visitors at Floradale Farm.

Lompoc, Calif.—California has been favored with visits recently of seedsmen who are interested in seed crops, some of whom called at Burpee's Floradale seed ranch. In the accompanying illustration by David Burpee, many faces will be recognized. With David Burpee came W. A. Burpee, Jr., and Douglas Earl, son of Howard M. Earl, business manager of W. Atlee Burpee Co. All the boys have come to stay awhile, spending their vacations here, and lending helping hands where necessary, and to learn by doing the numerous details always present on a seed farm.

Sweet peas will be a short crop, owing to the lack of rainfall early in the winter and a hot wave striking some of the ranches, when they were in bloom, thus blasting their blossoms. There are several meritorious novelties among sweet peas being developed at Floradale, which it is to be hoped will be heard from favorably in the future. A white without a name also a lavender, are both quite promising.

Some varieties grown here for seed, as, for instance, Earl Spencer, Barbara, Melba, and all color shades in which "orange" is a component part, are liable to burn or scald under the influence of the bright sunlight, but when shaded slightly, are strikingly beautiful. Thomas Stevenson, after the same color tone, burns less than any of the others named. Some entirely new color shades and combinations are being tried at Floradale, for the final time, among which may be mentioned, Afterglow, Prince George, Floorie, Charles Foster, and a few others. It might be well for florists to try these in small quantities at first for they must when better known appeal to all esthetic

ists and their patrons, for early summer cut flowers, and its ruffled double and sometimes triple standards resulting in bunching gracefully when so used. When mentioning "wavy" and double and triple standards we must not forget a foundling, greeting us during our first season at Floradale. It came among Primrose Spencer and the coloring is more nearly the desired yellow than any so far among the Spencerized types, and in addition to its more intensified coloring, the ruffles are more pronounced than any other. For the present it is known as Floradale Fairy. Hugh Dickson, Lester L. Morse and Frank G. Cuthbertson, are most warm and enthusiastic in its praises, and we are all hoping it may prove as beautiful and desirable away from home as it is at Floradale. From my personal experience it appears unmistakably that the development of this most popular flowering annual is only in its infancy.

The advent of the Countess Spencer marked an era in sweet peas that is unparalleled. I believe in the history of horticulture. Let the good work go on. It is true, the Spencers are frequently erratic, and are sometimes hard to "fix," but this, to many enthusiasts and experts, is an added charm, causing them to be drawn even closer in touch with their favorite flower. A variety developed at Floradale, has been named "Charm." It is a selection from Irish Belle or Dream, and in effect it is a very delicate blush. It comes mostly in four flowers on a stem and with us at Floradale, it is practically fixed. It is now in its third year out here. Some selections, as might very readily be supposed, are easier to handle than others. As a part of the history of Charm it ought to be mentioned that Irish Belle is one of Hugh Dickson's, and he saw indications of its coming with "Charm" tendencies, but it remained for Floradale to keep it on its way toward its present status. We are expecting greater developments in



VISITORS AT W. ATLEE BURPEE & CO.'S SEED FARMS, LOMPOC, CALIF., JUNE 11.

tastes. Some shading over these when in bloom, would, I believe, bring out their various and peculiar color tones. Among enthusiasts in Great Britain they are frequently referred to as "pastels."

May Campbell is a new one worth trying. It is the result of a cross between Janet Scott and Sunproof Crimson. In color marking the standard is blotched with rose, on a cream ground. The blotch reminds one at first glance of the markings in the old, one-time favorite (which ought to be yet) pelargonium. The new "duplex" types are promising, Duplex Spencer being of that shade of pink popular with flor-

the future for encouragement is in the atmosphere. EDWIN LONSDALE.

#### Canadian Pea Crop.

Toronto, June 24.—Peas on low lying fields are very badly damaged. On high and sandy soil conditions are thus far very good, but to insure a crop from lighter soils, conditions from now on will have to be ideal, while damage done to peas on heavy soil can not be repaired. H.

J. M. Thorburn & Co., New York.—The past season with us has been fully up to the average.



**PANSY SEED**

Giant Strain, Home-Grown.  
50c per trade pkt.; \$1.50 per 1/4 oz.; \$5.00 per oz.  
**Cyclamen Seed** English strain, best obtainable \$1.00 per 100;  
\$9.00 per 1000. Write us.

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1215 Betz Building. PHILADELPHIA, PA.

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Contract Growers of  
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For the Wholesale Trade only  
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**S. M. Isbell & Co.,**

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CONTRACT SEED GROWERS,  
Bean, Cucumber, Tomato, Muskmelon,  
Squash, Watermelon, Radish, Sweet corn.  
Correspondence solicited.

**Western Seed & Irrigation Co.**

Seed Growers and Dealers. Specialties:  
Cucumber, Musk and Watermelon, Pump-  
kin, Squash, Sweet and Field Corn.  
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Wholesale Field and Garden Seeds.  
Established 1818. Write for our low prices.  
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Sweet Pea and Nasturtium Specialists  
Wholesale Growers of full list of  
**FLOWER and GARDEN SEEDS**

**ROEMER'S Superb Prize PANSIES**

The finest strain of Pansies in the World.  
Introducer and Grower of all the leading  
Novelties. Highest Award International  
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on application.  
Seed Grower,  
**FRED. ROEMER, Quedlinberg, Germany**

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WHOLESALE ONLY.  
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Bean Growers**

For the Wholesale Seed Trade.  
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**BEANS, PEAS, RADISH  
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**LEONARD SEED CO.**

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**SEED PACKETS**

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Order Now**

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.  
Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

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**Freesias  
California  
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Per 1000  
Mammoth, 3/4 and up.....\$7.00  
Choice, 1/2 to 3/4-in..... 5.00  
First Quality, 3/8 to 1/2-in..... 3.00

**Vaughan's White Seedling**

Pure White, Per 100 Per 1000  
long stem variety.....\$2.00 \$15.00

**PURITY--True.**

Mammoth, 3/4-in. and up.....\$25.00  
Extra Size, 1/2 to 3/4-in..... 20.00  
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**Vaughan's Seed Store,  
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**Contract Seed Grower**

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PANSY SEED**

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1000 seeds, finest mixed...25c  
1 oz. ....\$2.25

Price list on application. Cash with order.

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Spec. Album, 9 in.-11 in.....per 100..\$13.00  
Rubrum, 9 in.-11 in..... per 100.. 9.00  
Melpomene, 9 in.-11 in..... per 100.. 9.50  
Tuberoses, Double, pearl, 4 in-6 in., \$8.00 per 1000.

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Place your order in time to secure your wants  
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Callas are still scarce and the quantity is limited.  
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**BELLIS PERENNIS** (English Daisy)

Longfellow (red), Snowball (white), Tr. pkt. 85c; mixed colors, Tr. pkt. 25c.

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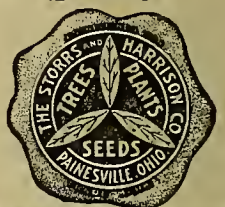
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\$3.00 per 100.....\$30.00 per 1000  
Whitman Compacta (new), to take the place of Whitman. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.  
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250 plants at 1000 rates.

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Sizes: 5 to 7; 6 to 7; 7 to 9 and upwards

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Can be produced only from the giant strains. Our CHALLENGE PANSY seed contains only the giant self-colors, the giant striped and variegated and the giant blotched, etc., all carefully mixed in proportion. You could not buy better seed if you paid \$100 per ounce. Our Challenge Pansy seed during the past season gave unprecedented satisfaction, and every order booked last year was duplicated and increased this year. All the testimonials received mentioned specially the high grade of flowers—color, form and size of the individual blossoms. This year, by adding improved types, intending customers can absolutely rely on a duplication of this season's success with increased satisfaction. Our "mark" for this strain is "Challenge," and it is all the word denotes.

**Pansy—Boddington's "Challenge"—All Giants**

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

½ trade pkt. 25c., trade pkt. 50 cts., ¼ oz. 75 cts., ¼ oz. \$1.50, ½ oz. \$2.75, oz. \$5.00.

**BODDINGTON'S QUALITY "ENGLISH" PANSY**

A superb strain of highly colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms and secured as much seed as possible—but only sufficient to offer same in packets which we do as follows:—

Trade Packet (500 seeds) for.....\$1.00  
 ½ Trade Packet (250 seeds) for..... .50

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Tr. pkt. ¼ oz. ½ oz.

**Triumph of the Giants.** Extremely large flower of beautiful colorings. Should be grown by every florist ..... \$0 50 \$2 75 \$5 00

**Boddington's "Challenge" Mixture** Tr. pkt. ¼ oz. Oz. \$0 50 \$1 50 \$5 00

**Giant Trimardeau.** Mammoth-flowering and a good range of color 15 50 1 50

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**Giant Madame Perret.** A recent introduction by a celebrated French specialist; of strong, free growth ..... 15 85 3 00

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**Giant Orchidæflora, or Orchid-flowered Pansy.** Splendid variety; beautiful shades of pink, lilac, orange, rose, terra cotta, chamois, etc. .... 25 1 25 4 00

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Challenge Pansy.

**NOVELTY PANSIES.**

|                                                                                                                | Tr. pkt. |
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| <b>PSYCHE.</b> Violet, bordered white; beautifully waved petals .....                                          | 25       |
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| <b>VULCAN.</b> Giant brilliant dark red, with five black blotches; unique .....                                | 25       |
| Collection of the above 10 varieties, one packet each, for .....                                               | 2 00     |

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Named Varieties Mixed.

For our customers who desire special shades in Pansies we have pleasure in offering the following:

Light Shades, Yellow Shades, Spotted Shades, Striped and Mottled, Dark Shades, Blue Shades, Bronze Shades, Red and Brown Shades, trade pkt. 25 cts., ¼ oz. \$1.00, ½ oz. \$1.75, oz. \$3.00

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We wish to call your attention to the following: The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

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Asparagus Plumosus and Sprengeri

Seed or plants in any quantity.

Plumosus seed.....\$1.50 per 1000  
 Sprengeri ..... .50 per 1000

Plants according to size and quantity ordered. Write for wholesale prices.

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Very best strain, 2½-in. pots, \$3 per 100, \$25 per 1000.

Asparagus Plumosus, 2¼-inch, \$3.50 per 100;

\$30.00 per 1000, 3-in., \$6.00 per 100.

500 at 1000 rate, Cash with order.

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| PINK.           |       | R. C. per 100 | 1000    | CRIMSON.          |       | R. C. per 100 | 1000    | YELLOW.                        |       | R. C. per 100 | 1000           |
|-----------------|-------|---------------|---------|-------------------|-------|---------------|---------|--------------------------------|-------|---------------|----------------|
| Amorita         | ..... | \$2 50        | \$20 00 | Pockett's Crimson | ..... | \$2 50        | \$20 00 | <b>Crocus, the best yellow</b> | ..... | <b>\$4 00</b> | <b>\$35 00</b> |
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|                 |       |               |         | October Frost     | ..... | 2 00          | 15 00   |                                |       |               |                |

The above varieties of 'Mums FROM SOIL, \$4.00 per 1000 additional.

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Strictly First-Class Stock

Amorita, Col. D. Appleton, Smith's Advance, Major Bonnafon, Mrs. H. W. Buckbee, John Burton, Winter Cheer, Comoleta, Pockett's Crimson, Donatello, Diana, Maud Dean, Helen Frick, Roman Gold, Ivory, Pink Ivory, Yellow Ivory, Iva, Mrs. J. Jones, Yellow Mrs. Jones, Klondike, Nagoya, Patty, Glory of Pacific, Chas. Razer, Rufus, Pres. Roosevelt, Roserie, Mrs. H. Robinson, Pacific Supreme, Early Snow, Skibo, Clementine Touset, Yellow Touset, Yanoma.

From 2-in. pots, \$3.00 per 100, \$25.00 per 1000.

Fairy Queen, Hartje & Elders pink Pompon for 1912.

From 2-in. pots, \$2.00 per ten; \$15.00 per 100. Chrysolars, from 2-in. pots, \$5.00 per 100; \$45.00 per 1000.

We still have Anemones, Pompons, Singles, and Exhibitions.

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Cheap for Cash.

- 200 Hydrangea Thos. Hogg, strong 4-inch.....7c each
- 100 Bougainvillea Glabra Sanderiana, strong 4-inch.....25c
- 150 Euphorbia Splendens, 2-inch.....4c
- 200 Hibiscus, assorted colors, strong..10c
- 500 Ferns, Whitmani, Amerpohli, Tarrytown, strong 2 and 2½-inch.....4c
- 700 Rubber Plants, Belgica and Pandurata, very cheap; write for prices.

Abele Bros., New Orleans, La.

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## Pansies SOW NOW

We are making a specialty of Pansies. Our collection is the richest in variety of quality ever offered in this country. If you want the finest pansies that it is possible to obtain, make your selection from the following list of seeds:

MIXTURES OF GIANT FLOWERED PANSIES

**Holmes' Triumph of the Giant.** Robust compact growing plants; heavy foliage surmounted by enormous flowers of perfect form and great substance on strong tall stalks. Petals overlapped and undulating. Rich and rare colors. Trade packet, 50c; 1-16 oz., \$1.00; ½ oz., \$1.75; ¼ oz., \$3.00; ½ oz., \$5.00; oz., \$8.50.

**Bugnot's Giant Spotted.** Trade packet, 40c; 1-16 oz., 85c; ½ oz., \$1.50; ¼ oz., \$2.50; ½ oz., \$4.50; oz., \$7.50.

**Holmes' Mammoth Five-blotched.** Cassier type, but flowers double size, magnificent colors. Trade packets, 35c; 1-16 oz., 75c; ½ oz., \$1.25; ¼ oz., \$2.00; ½ oz., \$3.50; oz., \$6.00. Giant Cassier: ¼ oz., \$1.75; ½ oz., \$3.00; oz., \$5.00.

**Mme. Perret.** Great American Giant, "Red, White and Blue"; ¼ oz., \$1.50; ½ oz., \$2.50; oz., \$4.00.

**Odier Five-spotted Beauties.** ¼ oz., \$1.25; ½ oz., \$2.00; oz., \$3.50.

**Gollath and Orchid (Cattleya) flowered,** same price as Odier.

**Giant Trimardeau.** ¼ oz., \$1.00; ½ oz., \$1.50; oz., \$2.50.

**Trimardeau, Giant Spotted Parisian.** ¼ oz., \$1.50; ½ oz., \$2.50; oz., \$4.00.

**Cassier and Trimardeau Mixture.** ¼ oz., \$1.00; ½ oz., \$1.75; oz., \$3.00.

**Holmes' Giant Masterpiece.** Enormous flowers, 4 inches across, daintily ruffled edges, clearly distinct markings, and, in fact a flower of recent introduction that has won volumes of praise from lovers of this particular flower. It is a master indeed of its class. ¼ oz., \$1.75; ½ oz., \$3.00; oz., \$5.00.

## HOLMES SEED CO., Harrisburg, Pa.

Mention the American Florist when writing



## "The Kenilworth Strain" of Giant PANSY Seed

Must Not be Compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers of 3½ to 4 inch; are of perfect form; every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The stock plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany and many others too numerous to mention. Light, Medium or Dark Mixtures.

**1912 SEEDS NOW READY** 2000 seeds, 50c; 5000 seeds, \$1.00; ¼ ounce, \$1.25; ounce, \$5.00.

Read what growers say about my strains of pansy seed in the AMERICAN FLORIST of July 6th, page 1435.

Pansies in Separate Colors.

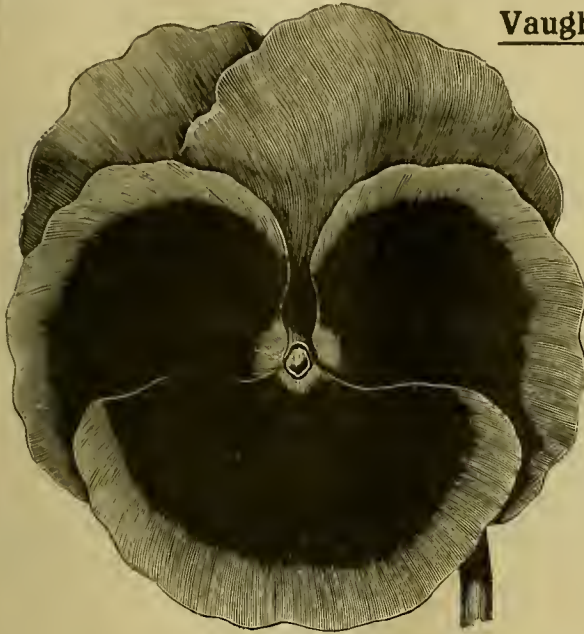
- 1000 seeds
- Giant Adonis, beautiful light blue.....25c
- Giant Emperor William, ultramarine blue.....25c
- Giant King of the Blacks, coal black.....25c
- Giant Lord Beaconsfield, violet shading to white.....25c
- Giant Golden Queen, yellow.....25c
- Giant Golden Yellow, with dark center.....25c
- Giant Masterpiece, beautifully ruffled, with a wide range of colors.....25c
- Giant White, very fine.....25c
- Giant White, with large violet center.....25c
- Giant Red, a fine mixture of red shades.....25c
- Giant Royal Purple, fine large flower.....25c
- Giant Orchid Flowering, rare shades.....25c
- Giant Bronze and Copper Shades.....25c
- Giant Light Blue, delicate shades of blue.....25c

- Giant Dark Blue, deep blue shades.....25c
- Giant Zebra Mixed Shades, striped.....25c
- The preceding 16 colors mixed in equal proportions. 1000 seeds, 25c; any 5 packets, \$1.00; any 11 packets, \$2.00.

The **Rainbow** blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

**Chas. Frost**  
Kenilworth,  
N. J.

## The Early Advertisement Gets There



Type of Vaughan's Giant Pansies.

**Vaughan's "Giant Mixture."**

Embraces besides all the separate shades and colors five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau and the splendid Cassier strain. Trade pkt., 25c; 1/8 oz., 60c; oz., \$4.00; 1/4 lb., \$14.00.

**"International Mixture."**

The World's Best.

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; 1/8 oz., \$1.50; 1/2 oz., \$5.00; oz., \$10.00.

**"Cut Flower Mixture:"**

Put up by ourselves and contains mostly light colored sorts. Our Chicago cut flower growers have realized big returns from flowers grown from this mixture. Pansies require less care and bring better returns than violets. Trade pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$2.00; oz., \$3.00.

**Vaughan's**

**Pansy**

**Seed**

for Florists

Has Held

First

Place

in the

Trade

for over

20

Years

**GIANT PANSIES—Named Sorts.**

|                                              | Trade Pkt. | 1/8 oz. | Oz.    |
|----------------------------------------------|------------|---------|--------|
| Masterpiece, new Giant curled                | \$0.25     | \$0.60  | \$4.00 |
| Yellow, immense flowers with dark eye        | .10        | .20     | 1.00   |
| White, very large, with violet eye           | .10        | .20     | 1.00   |
| Beaconsfield, light lavender and deep purple | .10        | .20     | 1.00   |

|                                             | Trade Pkt. | 1/8 oz. | Oz.    |
|---------------------------------------------|------------|---------|--------|
| Golden Queen, clear golden yellow           | \$0.10     | \$0.20  | \$1.30 |
| Mme. Perret, lovely shades of pink and rose | .10        | .25     | 1.50   |
| Aurora, pure white, without blotches        | .10        | .20     | 1.00   |
| Black, large true black                     | .10        | .20     | 1.00   |

**CALCEOLARIA.**

Vaughan's Extra Choice Mixture. Composed of the choicest selection of tigered, marbled, spotted and variegated varieties. Trade pkt. (1000 seeds), 50c; 3 trade pkts. for \$1.40.

**CINERARIA.**

Vaughan's Columbian Mixture. Made up by ourselves of choicest English, French and German strains; unsurpassed in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt. (500 seeds), 50c; 3 trade pkts., \$1.40.

**PRIMULA.**

Vaughan's International Primula Mixture. Composed of most salable colors of single flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors for variety, the most important shades predominating. Pkt. of 350 seeds, 50c; per 1-16 oz., \$4.00.

Our List of "Seeds for Summer Sowing" Now Ready. Write for a Copy.

31-33 W. Randolph St., CHICAGO. **VAUGHAN'S SEED STORE,** 25 Barclay St. NEW YORK.

**CYCLAMEN.**

Our seed has been grown for us by four Cyclamen specialists in Europe. The seed is saved only from perfect plants, and there is no better Cyclamen seed in the market.

**English Giants.**

NINE NAMED SORTS.—Prices: 100 seeds, \$1.00; 1000 seeds, \$8.00 net.

**German Giants.**

FIVE NAMED KINDS.—Prices: 100 seeds, 65c; 1000 seeds, \$5.00.

EXTRA CHOICE MIXED.—Per 100 seeds, 50c; 250 seeds, \$1.15; 1000 seeds, \$4.50; 5,000 seeds, \$20.00.

**Orchid Giants.**

FIVE NAMED SORTS.—Prices: 100 seeds, 85c; 1000 seeds, \$7.00.

GIANT ORCHID-FLOWERED CYCLAMEN in choicest mixture. 100 seeds, 80c; 1000 seeds, \$6.50.

Clematis Paniculata, strong 2-year old plants, \$10.00 per 100.

Poinsettias, from 2 1/2-in. pots, \$5.00 per 100; from 3-in. pots, \$6.00 per 100; from 4-in. pots, for specimen plants, \$1.00 per dozen.

Althernantheras, red and yellow, 2-in. pots, \$2.00 per 100.

Stevias, tall dwarf, variegated from 2-in. pots, \$2.00 per 100.

Cosmos, early flowering varieties, 2-in. pots, \$2.00 per 100.

**C. EISELE,**

11th & Westmoreland Sts., Philadelphia, Pa.

**A FEW GOOD THINGS YOU WANT.**

- Geraniums, Nutt, Buechner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100; 3-in., \$5.00 per 100.
- Boston Ferns, 5-in., 25c each.
- Whitmani Ferns, 4-in., 25c.
- Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
- Vinca Var., 2-in., 2c.
- Asparagus Sprengeri, 2-in., \$2.50 per 100.
- Asparagus Plumosus, 2-in., \$3.00 per 100.
- Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

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

Mention the American Florist when writing

**Am. Beauties**

Choice 2 1/2 inch, \$5 per 100; \$45 per 1000

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO.

**DAHLIAS**

The best New and Standard varieties. Send for Wholesale Price List.

**BASSETT & WELLER** HAMMONTON, N. J.

## Market Gardeners

Vegetable Growers' Association  
of America.

H. F. Hill, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

### Prices of Indoor Fruits and Vegetables.

Chicago, July 8.—Mushrooms, 7½ cents to 10 cents per small case; 30 cents to 50 cents per pound; lettuce, 10 cents to 20 cents per tub; cucumbers, 20 cents to 27½ cents per dozen.

New York, July 8.—Mushrooms, \$1.25 to \$2.25 per 4-pound basket; cucumbers, 50 cents to 75 cents per dozen, \$2.50 per basket; tomatoes, 8 cents to 13 cents per pound.

### Etherization and Forcing of Strawberries.

For some years past M. M. G. Bultel has been experimenting on the value of etherization for forcing early strawberries. His earlier experiments, published in 1906, appeared to show that the method is capable of commercial application, and this conclusion is confirmed by the results of experiments carried out on a more extended scale during the present year. In the latter experiments, M. Bultel used 600 plants of the variety Vicomtesse Hericart de Thury, all of which plants were obtained from layers taken at the same time, and grown under precisely similar conditions. Of the 600 pot plants, 300 were placed in a heated frame on November 25, and the other 300 were etherized on that date. One hundred and fifty of the latter were treated for 48 hours with a full dose of ether (400 grams per cubic metre), and the remaining 150 were exposed for 40 hours to half this quantity, and then for 20 hours to the full dose. In describing the results, we need not distinguish between the two lots of etherized plants beyond saying that the more gradual treatment produced slightly better results. The etherized plants were placed in heated frames, with the non-etherized strawberries, on November 27 and November 28. When the plants showed signs of flowering, they were brought into the forcing house and subjected to a temperature of 15° C. (59° F.), which temperature was raised gradually, first to 65° F., and later to 68° F.

The difference in time of flowering between the etherized and unetherized plants was striking. Thus, on January 8, 213 of the 300 etherized plants were showing flower-buds; whereas only 33 of the 300 unetherized plants were in a similar condition. Of the etherized strawberries, 238 flowered and 62 failed to flower; whereas, of the unetherized plants, the corresponding numbers were 224 and 76.

The fruits of etherized plants began to swell on February 21; whilst those of the non-etherized plants did not begin to swell till March 6. Finally, the etherized plants bore ripe fruits on March 15-17; whereas, no fruits were ripe on the unetherized plants till 15 days later.

M. Bultel makes no mention in the account which he gives of his experiments (*Journal de La Soc. Nat. d' Horticulture de France*, April, 1912) of the respective yields obtained from the two crops. We are bound, therefore,

to infer that that from the etherized lot of plants was at least equal to that from the plants not subjected to this treatment.

Assuming that the yield is satisfactory, it certainly seems probable that, as M. Bultel observes, etherization may prove profitable to those growers who desire very early crops, particularly in years when, owing to the absence of cold autumn weather, the plants have not "ripened" well. We hope that more experiments of this kind will be undertaken, and would commend the subject to the notice of those in this country who have facilities for this kind of experimental work.—Gardeners' Chronicle.

FRAMINGHAM, MASS.—William Nicholson is constructing a new greenhouse 52x200 feet. It will be one of the largest and most complete in the state. The Lord & Burnham Co. is doing the work.



Watch for our Trade Mark stamped on every brick of

### Pure Culture Mushroom Spawn

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

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

Mention the American Florist when writing

TO THE TRADE

## HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

**SPECIALTIES:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Chinerias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed)**, the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

## Asparagus Plumosus Nanus Seed.

Northern Greenhouse Grown of proven quality and germination. NOT southern seed of doubtful quality and poor and slow germination.

Per 100 seeds, 50c; 500 seeds, \$1.50; 1000 seeds, \$3 00.

Vaughan's Seed Store,  
CHICAGO. NEW YORK.

ASPARAGUS PLUMOSUS NANUS

VAUGHAN'S SEED STORE  
CHICAGO NEW YORK

## HYDRANGEAS For July and August Flowering.

We have a large stock of very fine plants, well set with buds, which will show color early in July, and will be in perfection during July and August—the months when they are most in demand for summer decoration at watering places, etc. Our stock is large, so that we can supply plants in carload lots, if wanted. Plants in ordinary butter tubs, \$2.00 and \$3.00 each; if wanted in new cedar tubs, painted green, with iron handles, \$1.00 each additional. When ordering, state whether wanted in butter tubs or new cedar tubs. Extra large specimens in half barrels, \$5.00 and \$7.50 each.

### Large Specimen Ferns.

We have a magnificent stock of exceptionally fine *Nephrolepis* in the following varieties, viz.:

- Elegantissima**, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.
- Harrisii**, extra choice form of *Bostoniensis*, 12-in. pots, extra fine specimens, \$7.50 to \$10.00 each.
- Bostoniensis**, 10-in. pots, extra fine specimens, \$4.00 to \$5.00 each.
- Giatrasi**, 8-in. pots, \$1.00 each; 10-in. pots, extra fine specimens, \$3.00 each.
- Scottii**, 10-in. pots, extra fine specimens, \$2.50 each.
- Viridissima**, 10-in. pots, \$2.00 to \$3.00 each.
- Magnifica**, *Muscosa*, *Elegantissima Compacta*, 3½-in. pots, 25c each.
- Giatrasi**, 3½-in. pots, 15c each.

### Phoenix Roebelenii.

The finest and most graceful of all palms. Hardest for summer decoration. Ironclad. Does splendidly out of doors. Fine specimens in new 12-in. tubs, \$5.00 each.

### Crotons.

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

### Cold Storage Lily of the Valley.

Very finest quality obtainable. Packed in cases of 500 and 1000.

### Cold Storage Liliun Giganteum.

7-9 in. bulbs; case lots of 300.

**Asparagus Plumosus Nanus**, 2¼-in. pots, \$4.00 per 100.  
**Small Ferns for Fern Pans**, assorted, 2¼-in. pots, \$3.50 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

**THE NEW CARNATION**

**BROOKLYN**

A Reincarnation of the old William Scott, but embodying additional and more important qualities.

**The New "Helen" Pink** A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built up center, petals fringed; habit of growth all that could be desired. Very easy propagation. Fastest growth of any Carnation. Flowers 3 in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit." Horticultural Society of New York. **TO BE DISSEMINATED 1911-1912.**

**ROOTED CUTTINGS**, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

**Charles Weber**, Grower, LYNBROOK, Long Island, N. Y. | **R. G. Wilson**, Fulton St. and Greene Ave., BROOKLYN, N. Y. | **Chas. H. Totty**, MADISON, N. J.

**BAY TREES**

| Standard or Tree Shaped. |        |         |         |
|--------------------------|--------|---------|---------|
| Stems                    | Crowns | Each    | Pair    |
| 36 in.                   | 24 in. | \$ 7.00 | \$13.00 |
| 45 in.                   | 26 in. | 7 50    | 14.00   |
| 48-50 in.                | 46 in. | 20.00   | 38.00   |

| Dwarf Standards. |        |         |         |
|------------------|--------|---------|---------|
| Stems            | Crowns | Each    | Pair    |
| 30 in.           | 24 in. | \$ 7.00 | \$13.00 |
| 18 in.           | 24 in. | 7.00    | 13.00   |
| 12 in.           | 30 in. | 7.50    | 14.00   |

| Pyramid Shaped. |                  |        |         |
|-----------------|------------------|--------|---------|
| Height          | Diameter at Base | Each   | Pair    |
| 5 ft.           | 24 in.           | \$8.00 | \$15.00 |
| 6 ft.           | 34 in.           | 15.00  | 28.00   |
| 7 ft.           | 30 in.           | 18.00  | 35.00   |

| Bush Shaped. |                  |        |         |
|--------------|------------------|--------|---------|
| 24 in. high, | 20 in. diameter. | Each   | Pair    |
|              |                  | \$7.00 | \$13.00 |

**Boxwood**

| Standard.       |               |        |        |
|-----------------|---------------|--------|--------|
| 18-26 in. stem, | 18 in. crown. | Each   | Pair   |
|                 |               | \$3.00 | \$5.00 |

| Bush.  |        |        |        |
|--------|--------|--------|--------|
| 12 in. | 15 in. | Each   | Doz.   |
|        |        | \$0.35 | \$3.60 |
|        |        | .40    | 4.50   |

| Ampelopsis Veitchii (Japan or Boston Ivy). |        |        |         |
|--------------------------------------------|--------|--------|---------|
| 4-inch, pot grown.                         | Each   | Doz.   | 100     |
|                                            | \$0.30 | \$3.00 | \$20.00 |

**VAUGHAN'S SEED STORE,**  
31 W. Randolph St., CHICAGO.  
Mention the American Florist when writing

**ARAUCARIAS OUR SPECIALTY**



**Araucaria Excelsa**, April, 1911, importation raised from top cuttings, 6-7 in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

**Araucaria Excelsa Glauca and Robusta Compacta**, April, 1911, importation. 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

**Araucaria Excelsa**, new importation, arrived per steamer Lapland, in fine condition, out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.

**Kentia Belmoreana**, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

**Kentia Forsteriana**, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

**Kentia Forsteriana**, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

**Kentia Belmoreana**, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.

**Kentia Belmoreana**, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.

**Kentia Belmoreana** combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

**Kentia Belmoreana**, 4-in., 25c; 5½-in., 50c.

**Kentia Belmoreana**, 8-in. pots, made up of 4 plants, \$2.00. A big bargain.

**Kentia Forsteriana**, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.

**Kentia Forsteriana**, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00 each.

**Cocos Weddelliana Palms**, made up of 3 plants, 4 to 5 in. pots, 30c to 40c; 3-in., 15c.

**Arcaea Lutescens Palms**, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.

**Aspidistras**, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 1½c per leaf.

**Corphea Australis Palms**, 5-in. pots, 20-in. high, 35c.

**Ficus Elastica**, Belgium stock, large 4-in., 25c; American stock, 5-5½-in., 30c, 35c to 40c.

**Cosmos**, assorted colors or separate, 3 plants in a pot, \$5.00 per 100.

**Shasta Daisies**, best white large-flowering hardy daisy, 2½-in., \$5.00 per 100.

**Asparagus Plumosus**, 2½-in. pots, Feb., 1911, sowings, strong, thrifty plants for benches or pot culture, \$3.50 per 100.. \$30.00 per 1000; 3-in., 5c; 4-in., 10c.

**Asters**, 5 separate colors, 2½-in., 3c; Crego, white, pink and rose, 2½-in. pots, \$3.00 per 100.

**Ferns.**

**Neph. Cordata Compacta**, 4-in., 20c; 3-in., 15c.

**Neph. Whitmani**, 5½ to 6-in. pots, 35c, 40c and 50c.

**Neph. Scottii**, 4-in., 20c to 25c; 5-in., 35c; 5½ to 6 in., 40c to 50c.

**Boston**, 8-in., 75c to \$1.00; 5½ to 6 in., 40c to 50c; 5-in., 35c; 4-in., 25c.

**Japanese Fern Balls**, our own importation, now full of leaves; large balls, 35c (worth 50c to 60c).

Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

**GODFREY ASCHMANN,**  
Wholesale Grower and Importer of Potted Plants,  
1012 W. Ontario Street, PHILADELPHIA, PA.

**ROSE PLANTS**

| 2½-inch Pots.   |             | Per 100 |  | Per 1000 |  |
|-----------------|-------------|---------|--|----------|--|
| American Beauty | .....\$4.00 | \$35.00 |  |          |  |
| Perle           | ..... 3.00  | 25.00   |  |          |  |
| My Maryland     | .....\$5.00 | \$40.00 |  |          |  |

**PETER REINBERG,** 30 E. Randolph St., Chicago

**ROSE STOCK**

**Sunburst**  
fine 3-inch stock, \$30.00 per 100.

**Pink Killarney, My Maryland, White Killarney and Melody**  
3-inch stock, \$8.00 per 100.

**Special Pink Killarney**  
4-inch, \$10.00 per 100.

**Lady Hillingdon**  
A splendid lot of 4-inch plants, \$15.00 per 100.

These Roses are not picked over culls, but choice plants, grown specially for sale.

**CHAS. H. TOTTY, Madison, N.J.**

Mention the American Florist when writing

**Surplus Roses**

Send for Stock List and Prices.

**THE LEEDLE FLORAL COMPANY**  
SPRINGFIELD-OHIO.

Mention the American Florist when writing

**ROSES - Lady Hillingdon**

3-in. pots at \$150.00 per 1000.

Killarney, 3-in., at.....\$ 55.00 per 1000

Safrano, 2-in., at..... 35.00 per 1000

Rose Queen, 3-in., at \$120.00 per 1000, the most beautiful pink rose.

**L. B. GODDINGTON,** Murray Hill, N. J.

**ROSES** We still have Brides, Maids, Beauties, Ivory, Uncle John and Kaiserin.

**Vincas**, Variegated and Green, Rooted Cuttings and 3-inch.

**Ferns**, Bostons, Amerpholi, Pieroni, Plumosus, Maidenhair, Roosevelt, Whitmani and small ferns.

**GEO. A. KUHL, Pekin, Ill.**

Mention the American Florist when writing

**PALMS, FERNS AND Decorative Plants**

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

Mention the American Florist when writing

**'Mum Plants**

**White Chadwick**, 2-in. ....\$3 00 per 100  
" " 2½-in. .... 3 50 per 100

**Helen Frick**, 2-in. .... 3 00 per 100

**100 Yellow Chadwick**, 2-in. .... 3 50

**100 Yellow Bonnaffon**, 2-in. .... 3 00

Fine and ready to plant

**Wonsetler's Greenhouses,** Bryan, Ohio.

Mention the American Florist when writing

**Vegetable Plants**

**Cabbage**, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

**R. VINCENT, Jr., & SONS, CO.,** White Marsh, Md.

**Budding Knife Free.** See Page 1497.

**The Nursery Trade**

American Association of Nurserymen.  
 Thomas B. Meehan, Dresher, Pa., President;  
 J. B. Pilkington, Portland, Ore., Vice-President;  
 John Hall, Rochester, N. Y., Sec'y.  
 Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

**More Nursery Varieties Urged.**

"Should Nurserymen Grow More Varieties?" was the subject of a paper read at the Boston convention of the American Association of Nurserymen, June 12-14, by S. Mendelson Meehan, who gave his views from the standpoint of a mail order business and local suburban trade.

"One thing is certain," said Mr. Meehan, "that nurserymen, bound by fixed habits of production and sale, are running far short of their opportunities. It is along the line of specialization that our nurseries should increase the number and assortment of varieties. Some are wholly unfitted to grow certain kinds of plants, while other plants are adapted to peculiar soil and climate. Some propagators have special success with some plants and not with others. Hybridization and the production of new varieties is some one's forte; others with great practical ability should simply be producers. The general public is very ignorant about plants, and therefore conservative in making selections. Rather than risk disappointment in a plant with such an awkward name as *Koelreuteria paniculata*, they will turn to something familiar,—maple, copper beech, or even poplar. The result is that a regular demand is created for a limited few things, which every nurseryman is forced to carry. It requires moral courage and deep-laid plans to keep out of this on-rushing current.

"Some will insist that this line of least resistance is the practical one; but in my opinion it is a living death. In the first place, it breeds unhealthy competition. The man who is always following has little hope except through lower prices, and you all know that profit margins are commonly below par anyhow. Then, too, the public is entitled to more than it is getting. Scores of nurseries have for fifty years either contained or had knowledge of any number of plants with sterling merits and of great interest, but in the demands of limited knowledge, and in the race to keep pace with the other fellow, these valuable plants with untold merit and attractiveness are securely locked up, perhaps for centuries.

"I would not have any one misunderstand me. I do not mean to cry down those familiar plants which have been found necessary and profitable, but do not be tied down to them, and do not let them lead you to cut prices. If you cannot get profitable business for them without such methods, look elsewhere for your specialty—the plant you can grow better than others—the things that will individualize your business.

"Nor yet do I urge nurserymen to go to the extreme. Where there is so much ignorance about our goods, we must maintain a proper degree of conservatism. New or unknown plants must be faithfully described. A list that is increased must show good reason for it. Confidence in the nurseryman must be established and he must take pains that he deserves it. On lines such as these I feel confident I can safely say that nurserymen should certainly grow more varieties."

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|-----------|--------|---------------------------|--------|----------|--|
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|           | Leaves | Height                    | Doz.   | Per 100  |  |
| 2-in..... | 4      | 8 to 10 in.               | \$1.50 | \$12.00  |  |
| 3-in..... | 4 to 5 | 12 to 15 in.              | 2.00   | 15.00    |  |
| 4-in..... | 4      | 12 in.                    | 3.60   | 30.00    |  |
| 4-in..... | 4 to 5 | 12 to 15 in.              | 4.50   | 35.00    |  |
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|           |        |                           | Each   | Per doz. |  |
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| 6-in..... | 6 to 7 | 20 to 22 in.              | 1.00   | 12.00    |  |
| 6-in..... | 6 to 7 | 22 to 24 in.              | 1.50   | 18.00    |  |
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|                    | Leaves | Height                     | Doz.   | Per 100  |  |
| 2-in.....          | 4      | 8 to 10 in.                | \$1.50 | \$12.00  |  |
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| 6-in.....          | 5 to 6 | 24 to 30 in.               | 1.00   | 12.00    |  |
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 Letterheads, Envelopes, Billheads, Statements.  
 Cards and Special Shipping Labels,  
 also Seed Envelopes.  
 Plate Making and Color Work.

**Gorham & Chapline Printery**  
 542 S. Dearborn St., CHICAGO  
 Mention the American Florist when writing

**SPLIT GARNATIONS**  
 Quickly, easily and cheaply Mended.  
 No tools required.  
**Pillsbury Carnation Staple**  
 Patented 1908.  
 2000 for \$1.00 postpaid,  
**I. L. PILLSBURY,**  
 Galesburg, Ill.  
 Mention the American Florist when writing

No loss if you mend your split carnations with  
**Superior Carnation STAPLES**  
 50c per 1000 postpaid.  
**Wm. Schlatter & Son,**  
 422 Main St., Springfield, Mass.

**The Regan Printing House**  
 LARGE RUNS OF  
**CATALOGUES**  
 OUR SPECIALTY  
 WRITE FOR FIGURES.  
 527 Plymouth Place, CHICAGO

**Wired Toothpicks**  
 10,000 \$1.75; 50,000 \$7.50. Manufactured by  
**W. J. COWEE,** Berlin, N. Y.  
 Sample free. For sale by dealers.

# Ready Reference Section.

10 CENTS PER LINE, NET.



## ALTERNANTHERAS.

Alternantheras, red and yellow, 2-in., \$2 per doz.; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## AMPELOPSIS.

Ampelopsis Veitchii, 4-in., 30c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

## AQUATICS.

DISCOUNT TO CLEAN POOL. DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the finest condition; \$5.00-100, \$35.00-1,000; second grade, \$3.00-100, \$18.00-1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

## ARAUCARIAS.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.  
Araucarias. For prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

## ASPARAGUS.

Asparagus plumosus nanus, from 2 1/4-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus nanus seedlings from plants, \$1 per 100; \$8 per 1,000. Vaughan's Seed Store, Chicago.

Asparagus plumosus nanus, 2 1/4-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparngua Sprengerii, 2-in., \$2.50 per 100. Asparngua plumosus, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2 1/2-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. A. Sprenger, 4-in., 10c; 3-in., 4c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Hatcheri, 2 1/4-in., \$1.50 per doz.; \$10 per 100. Vaughan's Seed Store, Chicago.

Asparagus Sprengerii, 2 1/2-in., \$3 per 100. Erie Floral Co., Erie, Pa.

Asparagus plumosus, \$25 per 1,000; \$2.50 per 100. A. M. Herr, Lancaster, Pa.

## ASPIDISTRAS.

Aspidistras, var., 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

## ASTERS.

Asters, seedlings, Queen of the Market, white and pink. Carlson's white, shell pink and lavender, 25c per 100; \$2 per 1,000. EDW. DOBGE COMPANY, 4344 N. Springfield Ave., Chicago, Ill.

Extra fine aster plants, transplanted, \$1 per 100; 2 1/2-in. pots, \$2 and \$2.50 per 100; in best white and light colors. No overgrown pot plants, but fresh stocky plants just right to bench or plant outside. Danville Floral Co., Danville, Ill.

Asters. Semple's Branching, white, pink, purple, \$2.50 per 1,000; 5,000, \$10. J. C. Schmidt, Bristol, Pa.

Asters. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

## AZALEAS.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

## BAY TREES.

BAY TREES—Every florist should have some of these on hand for decorating purposes. Nothing is more handsome and effective.

| Diam. Crown. Inches. | Height of Stem. Inches. | Planted in tub. Miss'n Plant Each. | Box. Each. |
|----------------------|-------------------------|------------------------------------|------------|
| 18 to 20             | 24                      | \$ 4.00                            | \$ 5.75    |
| 24 to 26             | 36 to 40                | 6.00                               | 9.00       |
| 28 to 30             | 36 to 40                | 7.75                               | 10.50      |
| 32 to 36             | 36 to 40                | 10.00                              | 14.00      |
| 38 to 40             | 36 to 40                | 11.50                              | 16.00      |
| 42 to 44             | 36 to 40                | 16.00                              | 20.00      |
| 46 to 48             | 36 to 40                | 20.00                              | 25.00      |

Can supply Boxwood in pyramid, bush or standard. State size wanted.  
WAGNER PARK CONSERVATORIES, SIDNEY, OHIO.

Bay trees and hox trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Witthold Co., 739 Buckingham Pl., Chicago.

Bay Trees. Bobbink & Atkins, Rutherford, N. J.

## BEDDING PLANTS.

Bedding stock. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

## BEGONIAS.

Begonias. Lorraine, 2 1/4-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Turnford Hall, Betty Anderson, La Patrie, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

Gloire de Lorraine, 2 1/4-in., \$12.50 per 100; \$100 per 1,000. Erie Floral Co., Erie, Pa.

## BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Witthold Co., 739 Buckingham Pl., Chicago.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

## BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, Caladium esculentum, 7-9, \$2.50 per 100. Longiflorum, multiflorum, giganteum, J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs, Horseshoe Brand Lillium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Paper White narcissus, Romans, L. candidum, freestias, mammoth L. gigantea, D. Rusconi, 126-128 W. 6th Ave., Cincinnati, O.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, callaa. M. M. Carroll, Norwood (Ct.), O.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

## CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new one. Seed for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, 2 1/2 and 3-in. Vaughan's Seed Store, Chicago and New York.

Cannas. The Conard and Jones Co., West Grove, Pa.

## CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texaa Nursery & Floral Co., Box 178, Alvin, Texas.

## CARNATIONS.

65,000 Carnation plants out of Sandy field; nice short, bushy and healthy stock for immediate delivery. White and Pink Enchantment, C. W. Ward, May Day, Washington, \$50 per 1,000. For Aug. 1 delivery. Victory, Winsor, White Perfection, \$45 per 1,000; 100 at 1,000 rates. Write for prices on large lots. Cash or reference. Northwestern Floral Co., Cross Point, Ill.

Carnations Brooklyn. Rooted cuttings, \$12 per 100; \$10 per 1,000; 250 at 1,000 rate, Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants are now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. F. Dorner & Sons Co., La Fayette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

Carnations. Des Plaines Floral Co., Des Plaines, Ill.

## CHRYSANTHEMUMS.

Chrysanthemums, cuttings, from sand and soil as follows: White: White Bonaffon, Etoile, Polly Rose, Oct. Frost, Ivory, Silver Wedding, Yellow: Golden Glow, Maj. Bonaffon, Yellow Baton, Yellow Ivory. Pink: Glory Pacific, Pacific Supreme, Minnie Bailey, \$1.25 per 100; \$12 per 1,000. D. H. Green, Boonsboro, Md.

Chrysanthemum plants, 2 1/2-in. White and Yellow Bonaffon and Chadwick, \$2.50 per 100; \$20 per 1,000. Grayland, Florist, 3442 Lowell Ave., Chicago, Ill.

Chrysanthemuma. The best for florists' use. For list of varieties see advertisement elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, 2 1/4-in. plants that are sure to please, \$2.25 per 100; \$20 per 1,000. Cash. M. Fried, P. Rose, Robinson, Lotze, Bonaffon, G. Glow, Falconer, M. Bailey, Roosevelt, Cobbald, Shaw, A. Spath, Jr., & Son, Roland Park, Md.

Chrysanthemums, pot plants only, \$2 per 100; \$18 per 1,000. Oct. Frost, C. Tonsset, White Cloud, Kaib Queen, Mlle. Des Jouis, Florence Pullman, Yellow: Holiday, Col. Appleton, Pink: Jeanne Rosette. MEMPHIS FLORAL CO., 145-47 South Main St., Memphis, Tenn.

Chrysanthemums, White Chadwick, 2-in., \$3; 2 1/2-in., \$3.50. Helen Frick, 2-in., \$3. Yellow Chadwick, \$3.50, 2-in. Bonaffon, \$3. 2-in. Wonsatler Greenhouses, Bryan, Ohio.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

**HEADQUARTERS  
CHRYSANTHEMUMS, ROOTED CUTTINGS  
OUT OF SAND AND SOIL.**

|                |        |
|----------------|--------|
| White. Per 100 |        |
| Early Snow     | \$2.50 |
| Mrs. Buckbee   | 2.00   |
| Gloria         | 2.00   |
| Estelle        | \$2.00 |
| Touset         | 1.50   |
| White Ivory    | \$2.00 |
| Snow Queen     | 2.50   |
| Yellow.        |        |
| Monrovia       | 2.00   |
| Robt. Halliday | 2.00   |
| Col. Appleton  | 2.00   |
| Yellow Eaton   | 2.00   |
| Nagoya         | 1.50   |
| Pink.          |        |
| Rosiere        | 1.50   |
| Pacific        | 1.50   |
| Monogram       | 2.00   |
| Gloria         | 2.00   |
| Pink Ivory     | 2.00   |
| Dr. Enguehard  | 2.00   |
| Red.           |        |
| Intensity      | 1.50   |

**POMPONS.**

|                 |      |
|-----------------|------|
| White.          |      |
| Baby Margaret   | 2.00 |
| Lulu            | 2.00 |
| Yellow.         |      |
| Quinola         | 2.00 |
| Baby            | 2.00 |
| Pink.           |      |
| Mrs. E. Roberts | 2.00 |
| Ladysmith       | 2.00 |
| Emille          | 2.00 |

**CUT BACK PLANTS—OUT OF SOIL.**

|               |         |
|---------------|---------|
| White.        |         |
| Early Snow    | 2.50    |
| Buckbee       | 2.00    |
| Touset        | 2.00    |
| Yellow.       |         |
| Halliday      | 2.00    |
| Appleton      | 2.00    |
| Bonnafton     | 2.00    |
| Eaton         | 2.00    |
| Nagoya        | 2.00    |
| Pink.         | Per 100 |
| Rosiere       | \$2.00  |
| Pacific       | 2.00    |
| Monogram      | 2.00    |
| Gloria        | 2.00    |
| Dr. Enguehard | 2.00    |
| Red.          |         |
| Intensity     | 2.00    |

**POMPONS—CUT BACK.**

|                 |      |
|-----------------|------|
| White. Per 100  |      |
| Lulu            | 2.00 |
| Pink.           |      |
| Emille          | 2.00 |
| Mrs. E. Roberts | 2.00 |
| Ladysmith       | 2.00 |
| Yellow.         |      |
| Baby            | 2.00 |
| Golden Star     | 2.00 |
| Quinola         | 2.00 |

**WIETOR BROS.,**

162 N. Wabash Ave., Chicago.

**CHRYSANTHEMUMS.**

|                        |                |
|------------------------|----------------|
| Crimson. R. C. Per 100 | Per 1,000      |
| Pockett's Crimson      | \$2.50 \$20.00 |
| Intensity              | 2.00 15.00     |
| White. E. C. Per 100   | Per 1,000.     |
| Alice Byron            | \$2.00 \$15.00 |
| Touset                 | 2.00 15.00     |
| October Frost          | 2.00 15.00     |
| Yellow. R. C. Per 100  | Per 1,000.     |
| Crocus                 | \$4.00 \$35.00 |
| Golden Glow            | 2.00 15.00     |
| Halliday               | 2.00 15.00     |
| Maj. Bonnafton         | 2.00 15.00     |
| Pink. R. C. Per 100    | Per 1,000.     |
| Pacific Supreme        | \$2.00 \$15.00 |

**J. D. THOMPSON GARNATION CO.,**

**JOLIET, ILL.**

Chrysanthemums, rooted cuttings; 500 Mrs. D. Syme, 1,000 Smith's Advance, \$2.50 per 100. 500 each Touset, Alice Byron, Ivory, Donatella, Yellow Jones; 2,500 Robt. Halliday, Mrs. Hurley and Baby; 800 J. Rosette, \$15 per 1,000. Cash with order. Wm. Swayne, Kennett Square, Pa.

**POMPONS, 800 Baby yellow, 400 Mrs. Beu, 100 Kloudike, 75 Lula, 75 Beach, 35 Sonovia, are in 2 1/2-in. pots, \$1.50 per 100; or 1 1/2-c each. Jos. Schoos, 514 Asbury Ave., Evanston, Ill.**

Chrysanthemums, strictly first-class stock, White, Chadwick, Yellow Chadwick, White Jones and Yellow Jones, R. C., \$2.50; 2 1/2-in. pots, \$3.50 per 100. Otto J. Hembreker, Lincoln, Ill.

**CINERARIAS.**

Cineraria, 2-in., frame grown, Dwarf Gold Medal Strain, tall and Stellata, 2 1/2-c; Dwarf double, 3c. J. L. Schiller, Toledo, O.

**CLEMATIS.**

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T. Smith Co., Geneva, N. Y.

**COLEUSES.**

Coleus, Golden Bedder, Verschaffeltii; Queen Victoria, etc., 2-in., \$2 per 100; 3-in., \$3. B. Vincent, Jr., & Sons Co., White Marsh, Md.

**YCLAMEN.**

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

**CYPERUS.**

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

**DAHLIAS.**

Dahlia, leading kinds, \$3.50 per 100; \$30 per 1,000. Divided field-root, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Dahlia, new and standard varities. Baasett & Weller, Hammonton, N. J.

Dahlia, leading sorts. Vaughan's Seed Store, Chicago and New York.

**DRACAENAS.**

Dracena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Dracena terminala, 2 1/2-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmane, Newton, N. J.

**FERNS.**

Boston ferns for 4, 5 and 6-in., 12c, 20c and 25c. 25,000 Boston and Whitmani for 2 and 3-in., \$20 per 1,000. True Winter flowering yellow Marguerites unrooted, \$2; rooted, \$4 per 100. Cash. A. G. Lake, Wellesley Hills, Mass.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. B. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2 1/2-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns in flats, \$2 per flat; 20 flats or more, \$1.75 per flat. McHutchison & Co., 17 Murray St., New York.

Boston ferns, 5-in., 25c; Whitmani, 4-in., 25c. Geo. M. Emmane, Newton, N. J.

Ferns, Pteris Wimsettii, 3-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago.

Boston ferns, 8 to 12-in. Erie Floral Co., Erie, Pa.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

**FICUS.**

Ficus elastica, 5 and 5 1/2-in., 30c, 35c and 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

**GERANIUMS.**

Geranium, Nutt, Doyle, rooted cuttings, \$1 per 100. Edward Walla, Berlin, N. J.

Geraniums, all the leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, Buchner, Viand, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, R. C., Nutt and Ricard, \$10 per 1,000. Poitevine, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmane, Newton, N. J.

GERANIUMS, all varieties. Large plants, \$3 per 100. M. C. Gunterberg, 82-86 E. Randolph St., Chicago, Ill.

Geraniums, Nutt, Ricard, La Favorite, Sallerol, Strong 4-in., 6c; 3-in., 3c. Trinit's Greenhouse, Chanute, Kans.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

**GREENS.**

GREEN GALAX, new crop, \$4 per case of 10,000; 40c per 1,000. Best to be found in the market. Every case guaranteed. We are situated in the best section of N. C. for GALAX. Let us have your orders, large or small. MT. MITCHELL DECORATIVE EVER-GREEN CO., Harvard, N. C.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Greens, fresh cut evergreens no mosses; decorating material. The Kervan Co., 119 W. 23th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Beaven, Evergreen, Ala.

Sphagnum moss. The C. W. Brownell Co., Walden, N. Y.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

**HARDY PLANTS.**

German Iris, mixed roots, \$1 per 100. A. M. Herr, Lancaster, Pa.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

**HELIOTROPES.**

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

**HYDRANGEAS.**

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. F. B. Pierson Co., Tarrytown-on-Hudson, N. Y.

**IVIES.**

English ivy, 2 1/2-in., \$3 per 100. The Good & Reese Co., Springfield, O.

**LILY OF THE VALLEY.**

**To Import.**

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips in cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

**From Storage.**

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florista's Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

**MUSHROOM SPAWN.**

Mushroom Spawn. Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

**MYRTLE.**

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dhoanau, Sta. H., Cincinnati, O.

**NURSERY STOCK.**

Arbor-Vita, excellent stock, 24 inches and over; Roseale, Bloia aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, large trees, oaks, maples, pinea and hemlocka. Andorra Nurseries, Cheatnut Hill, Philadelphia.

Nursery stock, vines, and climbers, autumn bulbs, roots, conifera, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, Arbor-vita Pyramidalis and balsam fir. The Farmers Nursery Co., Troy, O.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries. Aalsmeer, Holland.

**OLEANDERS.**

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**ORANGES.**

Oranges, Otahelte, 2 1/2-in., 50c per doz.; \$3 per 100. The Good & Reese Co., Springfield, Ohio.

**ORCHIDS.**

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Relgate, England.

**PANDANUS.**

Pandanus utilis and Veitchii. For prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Pandanus utilis, 3-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago.

**If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It**

**PALMS.**

Palma. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aachmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 730 Buckingham Pl., Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wynote, Pa.

Phoenix Kabeleli, 12-in. pots, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Cycas stems, Yokohama Nursery Co., 31 Barclay St., New York.

Palms. Bobbink & Atkios, Rutherford, N. J.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland road and E. 45th St., Brooklyn, N. Y.

**PANSIES.**

Panslea, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

**PEONIES.**

Peonies. W. & T. Smith Co., Geneva, N. Y.

**PETUNIAS.**

Petualas, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

**POINSETTIAS.**

**POINSETTIAS OUR SPECIALTY.**

Headquarters of the West.  
Per 100 Per 1,000  
2 1/2-in., strong plants.....\$5.00 \$40.00  
2 1/2-in., extra strong plants.... 6.00 50.00  
3-in., strong plants..... 7.50  
All top cuttings. Ready middle of July.  
Orders booked now. We practice particular packing.

ROBER & RADKE,

Maywood, Ill.

Poinsettias, 2 1/2-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2 1/2-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

**PRIMULAS.**

Primula, 2-in., frame grown, main specialty for many years, OBCONICA Ronsdorfer and Latham strains, positively best in existence. GRANDIFLORA, 10 colors and GRANDIFLORA FRINGED, 5 colors. 2 1/2-c. GIGANTEA, 5 colors. 3-c. MALACOIDES and KEWENSIS, 3-c. J. L. Schiller, Toledo, O.

Primulas, Chinese, Forbesii, obconica grandiflora, alba and rosa, 2-in. per 100. Ready Aug. 1. Obconica gigantea, Kermesina and Malacoides, \$3 per 100. Ready July 20. Cash. Jos. H. Cunningham, Delaware, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash please. J. W. Miller, Shiremanstown, Pa.

Chinese primroses, 2 1/2-in., \$3 per 100; \$25 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Primulas, obconica and Chinese, 2 1/2-in., \$2.50 per 100. J. C. Schmidt, Bristol, Pa.

**RESURRECTION PLANTS.**

Resurrection plants, selected stock, \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**RHODODENDRONS.**

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

Rhododendrons. Bobbink & Atkins, Rutherford, N. J.

**ROSES.**

**CHOICE ROSE PLANTS.**

Per 100. Per 1,000.  
American Beauty, 3 1/2-in.....\$5.00 50.00  
American Beauty, 2 1/2-in.....\$4.50 40.00  
Jardine, 2 1/2-in..... 3.00 25.00  
Uncle John, 2 1/2-in..... 3.00 25.00  
Richmond, 2 1/2-in..... 3.00 25.00  
Ready Now. Order Early.

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

**ROSES FOR LINING OUT.**

Orleans.....\$7.50 per 100  
Hiawatha..... 7.50 per 100  
Lady Gay..... 4.00 per 100  
Evangeline..... 10.00 per 100  
Mionehaha..... 10.00 per 100  
Miss Messman of Climbing Baby Rambler, \$7.50 per 100.

THE CONARD & JONES CO.,

West Grove, Pa.

**ROSE PLANTS.**

Extra fine, clean, well-grown and healthy stock. Big bargains at the prices quoted. You cannot afford to miss this. Order now.

Per 100 Per 1,000  
Richmond, 3 1/2-in. ....\$6.00 \$50.00  
Richmond, 2 1/2-in. .... 4.00 35.00

SINNER BROS.,

82 E. Randolph St., Chicago, Ill.

Roses, Killarney Queen, and Dbl. White Killarney, grafted, \$30 per 100; 250, \$70; \$250 per 1,000; own roots, \$25 per 100; \$200 per 1,000. Richmond grafted, \$15 per 100; \$120 per 1,000; own root, \$7.50 per 100; \$60 per 1,000. Mrs. Taft, own roots, \$7.50 per 100; \$60 per 1,000. Radiance, own root, \$7.50 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Roses, strong, clean stock, Kaiserin Augusta Victoria, Perle, Richmond, own root, out of 3 1/2-in. pots, at \$6 per 100. Pink and White Killarney, grafted, at \$12 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2 1/2-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Erie Floral Co., Erie, Pa.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, 2 1/2-in. pots. Am. Beauty, \$4 per 100; \$35 per 1,000. Perle, \$3 per 100; \$25 per 1,000. My Maryland, \$5 per 100; \$40 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses, hybrid perpetual and Ramblers. Strong forcing stock for florists. Orders for fall delivery booked now. Jackson & Perkins Co., Newark, N. Y.

Roses, own root and grafted. For varieties and prices see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Killarney, 3-in., \$55 per 1,000. Safrano, 2-in., \$35 per 1,000. Rose Queen, 3-in., \$120 per 1,000. L. B. Coddington, Murray Hill, N. J.

Rose Radiance, 2 1/2-in., \$1 per doz.; \$6 per 100. Good & Reese Co., Springfield, Ohio.

Am. Beauties, 2 1/2-in., \$5 per 100; \$45 per 1,000. The Leddie Floral Co., Springfield, O.

Roses, Brides, Maids, Beauties, Ivory, Uncle John, Kaiserin. Geo. A. Kuhl, Pekin, Ill.

Roses, The Dince & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

**SEEDS.**

SOW NOW if you want them for early Spring sales.

Begonia Bedding Queen, finest pink.....\$2.50 \$0.50  
" Gracillis luminosa, finest red..... 2.50 .50  
" Triumph, finest white..... 2.50 .50  
O. V. Zangen, Hoboken, N. J.

Seeds, beans, beet, cabbage, carrot, kohi rabi, leek, lettuce, onion, peas, radish, spinach, turnips, swedes, asters, balsams, begonias, carnations, cinerarias, gloxinias, larkspur, nasturtium, pansies, petunias, phloxes, primulas, scabious, stocks, verbenas, zinnias, etc. Henry Mette, Quedlinburg, Germany.

Seeds, cucumber, muskmelon, squash and pumpkin, sweet, flint and Dent seed corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, pansy, calceolaria, cineraria, primula, cyclamen. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seed, Asparagus plumosus Nanus, northern greenhouse grown, 50c per 100; 500 seeds, \$1.50; 1,000 seeds, \$3. Vaughan's Seed Store, Chicago and New York.

Seeds, pansy, trade pkt., 50c; \$1.50 per 1/4 oz.; \$5 per oz. Cyclamen, English Strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, Pansies. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Giant pansy seed, the Keulworth strain. For prices see advertisement elsewhere in this issue. Chas. Frost, Keulworth, N. J.

Seeds, cucumbers, cantaloupe, watermelon, squash and pumpkin, angur flint and field corn. J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beans, peas, sweet corn, onions, turnips, radish, beet, etc. The Everett B. Clark Seed Co., Milford, Conn.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, beans, cucumber, tomato, muskmelon, squash, watermelon, radish, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seed, cyclamen, English strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, peppers, egg plant, tomato, vine seed and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds. Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurf, Mallica Hill, New Jersey.

Seeds, beans, peas, radish, and all garden seeds, onion sets. Leonard Seed Co., 226 W. Kinzie St., Chicago.

Seeds. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, beans. Henry Fish Seed Co., Carpenteria, Calif.

Lawn grass seed. J. Oliver Johnson, 1870 Milwaukee Ave., Chicago.

Seeds, sweet pea and nasturtium specialists, and flower and garden seeds. Rutzahn Seed Co., Arroyo Grande, Calif.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, lettuce, onion, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Seeds, pansies. Fred Roemer, Quedlinburg, Germany.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, pansy, Cineraria grandiflora, Bellis perennis. See advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Seeds, Asparagus plumosus, \$1.50 per 1,000. Sprenger, 50c per 1,000. H. R. Richards, Box A. F., R. F. D. 6, Los Angeles, Calif.

Seeds. James Vicks' Sons, Rochester, N. Y.

**SMILAX.**

Smilax, 2 1/2-in. pots, \$2 per 100; \$18 per 1,000. Samples on request. F. F. Scheel, Shermerville, Ill.

Smilax, strong 2-in. cut back, \$1.75 per 100; \$15 per 1,000. Cash. R. K. Stokes-herry, Lectoria, Ohio.

Smilax, strong, 2-in., 2c; per 1,000, \$18. J. L. Schiller, Toledo, O.

Smilax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, 2 1/2-in., \$1.50 per 100; \$14 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

**SNAPDRAGONS.**

1,000 snapdragons, pure white, for winter forcing from pots, \$2.50 per 100. Danville Floral Co., Danville, Ill.

**VEGETABLE PLANTS.**

Late cabbage and tomato plants to close out, \$2 per 1,000. Danville Floral Co., Danville, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Cabbage plants, early and late varieties, 40c per 100; \$3.50 per 1,000. Graylund, Florist, 3442 Lowell Ave., Chicago, Ill.

Vegetable plants. W. C. Lester, Plainville, Conn.

#### VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

#### YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100, (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

#### TO EXCHANGE.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

#### STOCK WANTED.

Violets wanted for early planting and commercial purpose, field clumps, single long stems, large and fragrant. Specify variety and price. Brus Bros., R. D. 6, Independence, Mo.

#### BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

#### BUILDING MATERIAL.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Greenhouse lumber of all kinds. Lockland Lumber Co., Lockland, O.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Man furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

#### CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Out Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galeaburg, Ill.

#### FERTILIZERS.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

#### GREENHOUSE CONSTRUCTION.

Greenhouse Construction, semi-iron greenhouse, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.



## 10 Hours Without Firing

even in severely cold weather, is a common experience with those growers who use the Wilks Self-Feeding Hot Water Boilers

## In the Coldest Weather Wilks Hot Water Boilers Can Be Relied On

to keep the temperature even and continuous, making night firing unnecessary. Made entirely of steel; no cast iron sections to crack.

You should know more about them. Send for catalogue.

S. Wilks Mfg. Co., 3503 Shields Ave., CHICAGO, ILL.



## The Meyer Green Silkline

The Best Thread on The Market for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

**John C. Meyer & Co., Lowell, Mass.**  
THE LOWELL THREAD MILLS.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Greenhouse construction, builders of every type of greenhouse, the most modern design. Hitchlugs Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

#### MISCELLANEOUS.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Clara cemetery vases, 12 in. high, doz., \$2.50; barrel of 3 doz., \$6, f. o. h. Chicago. Vaughan's Seed Store, Chicago and New York.

Seed packets. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Printing catalogues our specialty. Regan Printing House, 527 Plymouth Pl., Chicago.

Ribbons and children. Wertheimer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Bau Window Glass Co., Easton, Ind.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

#### REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brecht's Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

#### STAKES.

Cane Stakes, Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 80c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Bamboo stakes. Yokohama Nursery Co., 31 Barclay St., New York.

## REED & KELLER, 122 W. 25th St., NEW YORK. FLORISTS' SUPPLIES.

We Manufacture all Our Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

## Boilers OF HIGH GRADE.

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water GIBLIN & CO., Utica, N. Y.

## 50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,  
2113 S. Jefferson St., CHICAGO  
Mention the American Florist when writing.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Last Monday We Started to Count Up the Different Kinds and Sizes of Our Pipe Hooks, Chairs and Swing Fittings.

That afternoon at three o'clock the count stood nine hundred and ninety-three. All good fittings, and there's a definite use for every one of them. Where is there anyone in the business who has such an assortment?

Some of the 993 that are used most are illustrated in the Handy Hand Book. Orders filled same day they are received. Order yours now, while you want them and before you need them.

We make every part of the greenhouse but the glass. We sell any part.



Lord & Burnham Co.

SALES OFFICES:

New York Philadelphia  
St. James Bldg. Franklin Bank Bldg.  
Boston Chicago  
Tremont Bldg. Rookery Bldg.

FACTORIES:

Irvington, N. Y. Des Plaines, Ill.

Mention the American Florist when writing.

Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning  
Hail Insurance, address

JOHN G. ESLER, Secretary,  
SADDLE RIVER, N. J.

Please mention the American Florist when writing

**BUDDING KNIFE FREE**

See Page 1497.



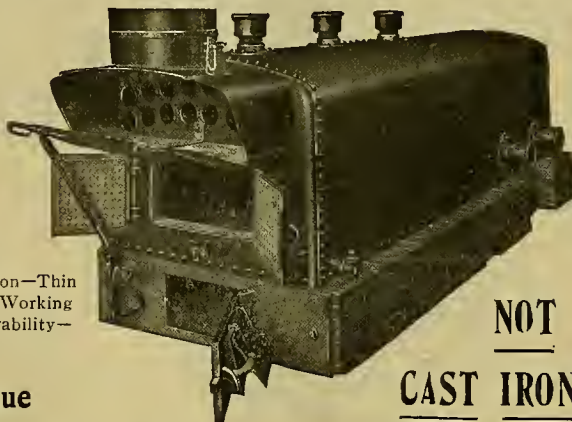
## KROESCHELL BOILERS ARE BETTER THAN CAST IRON BOILERS WHICH DO YOU WANT?

CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers' profits), OR

KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers' profits).

The KROESCHELL BOILER has the Highest Standard of HEATING VALUES.

Immense Self-Cleaning Heating Surface, Longest Fire Travel—Perfect Combustion—Free Circulation—Thin Waterways—Guaranteed Working Capacities—Safety—Durability—Efficiency and Economy.



**NOT  
CAST IRON**

Send for Catalogue

### READ WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

**Fires Twice During Night in Coldest Weather; Kroeschell boiler Far Better Than Cast Iron Boilers.**

With your No. 14 boiler I am heating 27,000 sq. ft. of glass, but have no doubt this boiler would take care of 37,000 sq. ft. We have not had the least bit of trouble to maintain proper temperatures. In very cold weather I fire twice during the night. I had two cast iron boilers before but yours are far better. Last winter I heated 17,000 sq. ft. of glass with my small boiler, your No. 7, maintaining a temperature of 50 degrees when outside temperature was 5 degrees above zero (the regular rating of No. 7 boiler without generator, is 15,000 sq. ft. of glass) with the Kroeschell piping system in connection with the Kroeschell Generator. This piping system and the Generator are entirely satisfactory. I take pleasure in recommending the system and boilers to anyone.

ANTON J. PAULY, Attica, N. Y.

**Kroeschell Boiler Gives Perfect Satisfaction.**

I will say that I am very well pleased with the Kroeschell boiler which I purchased 5 years ago. It has given perfect satisfaction to this date.

A. W. BELCHER, Winthrop, Mass.

**The Kroeschell is a Coal Saver.**

In regard to the Kroeschell Boiler will say that we are well satisfied, as it heats quickly and also is a coal saver.

H. KEITSCH & SON, Buffalo, N. Y.

**Get a Kroeschell—It Gives Excellent Satisfaction.**

Your favor of the 17th inst. received and in reply will state that the Kroeschell Bros. Boiler is the best on earth. It gives excellent satisfaction. I have run their No. 10 boiler now for 5 years and it is as good as new. I would suggest that you purchase their boiler with shaker grate and Generator and you will not be sorry. Then follow their instructions as to the care of same, and you will have a friend that will do the business. I most heartily recommend the Kroeschell Boiler above all others.

J. F. HETLER, Crookston, Minn.

**Kroeschell Boiler—Half the Coal and Half the Work.**

Your No. 13 Boiler is carrying 25,000 sq. ft. of glass, and I can keep it at 60 degrees in the coldest weather without any trouble. I have three other types of boilers also, heating a range of 25,000 sq. ft. of glass, but the No. 13 Kroeschell Boiler only takes half the coal and half the work to get the same results.

J. G. FRISZ, Vincennes, Ind.

P. S.—Mr. J. G. Frisz, of Vincennes, Ind., has the largest range of glass in Indiana devoted to vegetable forcing.

**Kroeschell Boiler Durable.**

Have 20,000 sq. ft. of glass. Can keep 60 degrees in coldest weather. Have one boiler 15 years, only expense one set of flues. Kroeschell Boiler is so satisfactory that I do not care to try any other.

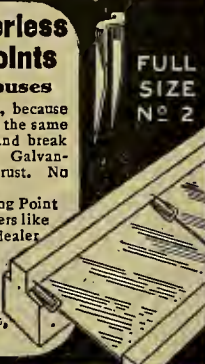
JACOB PHILLIPS, Rogers Park, Chicago.

**KROESCHELL BROS. CO., 452 West Erie Street CHICAGO, ILL.**

**GREENHOUSES!**  
 MATERIAL FURNISHED  
 AND  
 MEN TO SUPERINTEND  
 ERECTION IF DESIRED.  
**CYPRESS SASH BARS**  
 ANY LENGTH UP TO 32 FEET OR LONGER.  
 THE BEST STAINLESS NUMBER CO.,  
 NEWTON, BOSTON, MASS.

**Dreer's Peerless  
 Glazing Points**  
 For Greenhouses  
 Drive easy and true, because  
 both bevels are on the same  
 side. Can't twist and break  
 the glass in driving. Galvan-  
 ized and will not rust. No  
 rights or lefts.  
 The Peerless Glazing Point  
 is patented. No others like  
 it. Order from your dealer  
 or direct from us.  
 1000, 75c. postpaid.  
 Samples free.  
**HENRY A. DREER,**  
 714 Chestnut Street,  
 Philadelphia.

FULL  
 SIZE  
 NO. 2



Mention the American Florist when writing

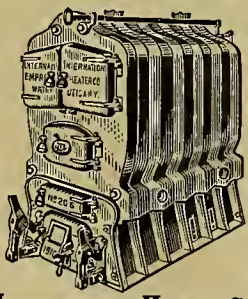
**MASTICA**  
 FOR Greenhouse Glazing  
**USE IT NOW.**  
**F. O. PIERCE CO.**  
 12 W. BROADWAY  
 NEW YORK



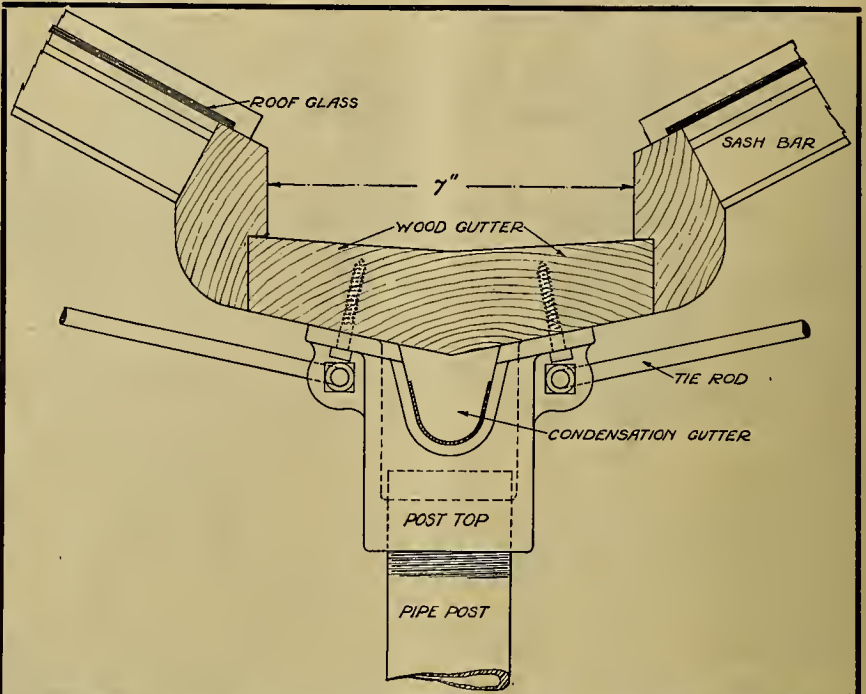
Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Describe a  
 First-Class  
 Greenhouse  
 Boiler.  
 Fuel capacity  
 for the longest  
 winter.  
 Simple enough  
 to be fool proof  
 and conserva-  
 tively rated.  
 That is the  
**INTERNATIONAL  
 Empress Boiler**  
 to a dot.  
 If you haven't  
 one already,  
 write us now.

**INTERNATIONAL HEATER CO., UTICA, N. Y.**



**SIEBERT'S ZINC**  
 Never Rust  
**GLAZING POINTS**  
 Are positively the best. Last forever. Over  
 30,000 pounds now in use. A sure preventative of  
 glass slipping. Effective on large or small glass.  
 Easy to drive. Easy to extract. Two sizes,  $\frac{3}{4}$  and  
 $\frac{1}{2}$ . 40c per lb., by mail 16c extra; 7 lbs. for \$2.50;  
 15 lbs. for \$5.00, by express. For sale by the trade.  
**RANDOLPH & McCLEMENTS, Successors to**  
 Chas. T. Siebert. Baum & Beatty Sts., Pittsburg.

**KING GUTTER**  
 MADE OF  
**WOOD**

"LEST YOU FORGET"

We want you to know that we make a wood gutter, and a good one, too. It combines all the good points of other wood gutters, "AND THEN SOME."  
 Note that the condensation and drip run down the side and sloping bottom to a drip pan placed under the gutter where it makes no shade.  
 We know it will do that, for we have tried it. This gutter lends itself to an outside wall, as an eave, most admirably.

Let Us Figure With You

on any greenhouse project you have in mind.  
 We may give you new ideas, and you will see

**A Great Light**

WRITE US

**King Construction Co.**

Home Office and Works  
 N. TONAWANDA,  
 N. Y.

Eastern Sales Office  
 1181 Broadway,  
 NEW YORK

Mention the American Florist when writing

**Attention! Glass Buyers!!**

**GREENHOUSE GLASS**

You will save money if you obtain our prices before you buy.  
 Quality A No. 1. Prompt shipments.

**Hooker's Greenhouse White Paint**

The most durable White Paint for this purpose.  
 Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

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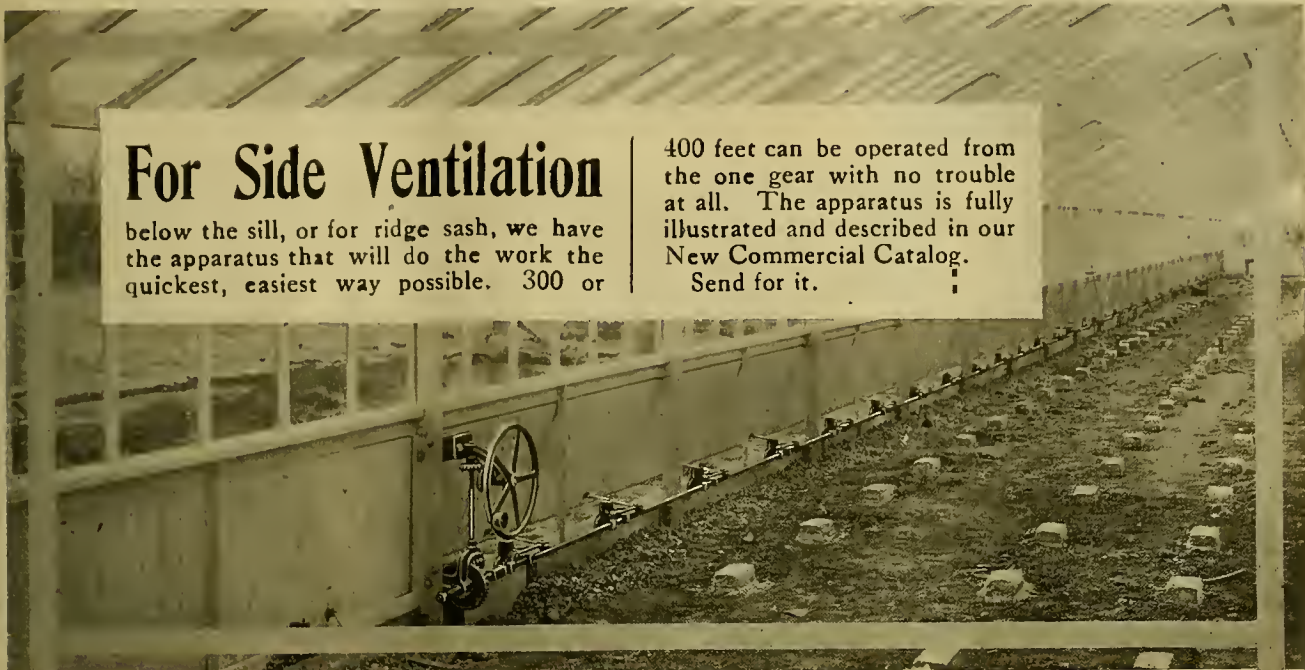
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*The Insecticide that kills plant Lice of every species*

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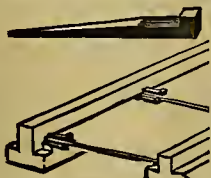
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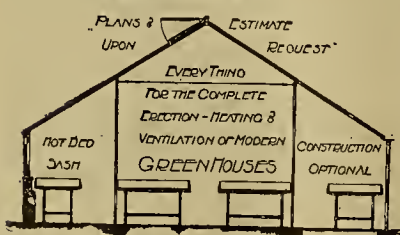


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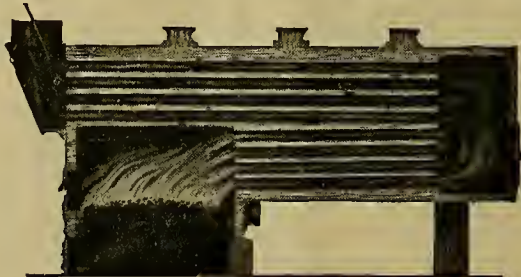
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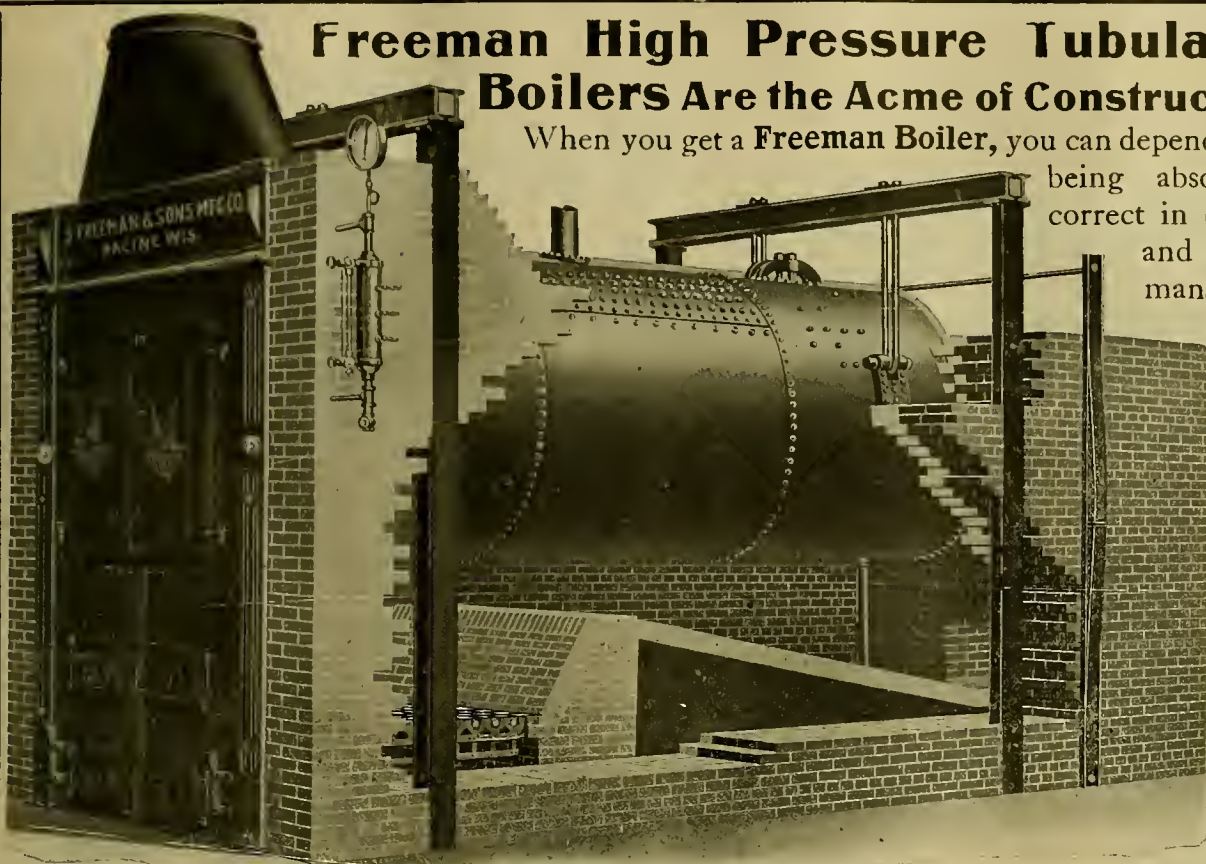
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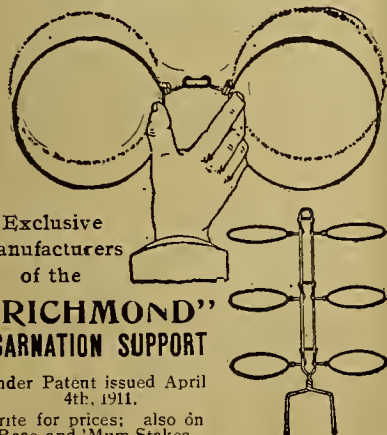
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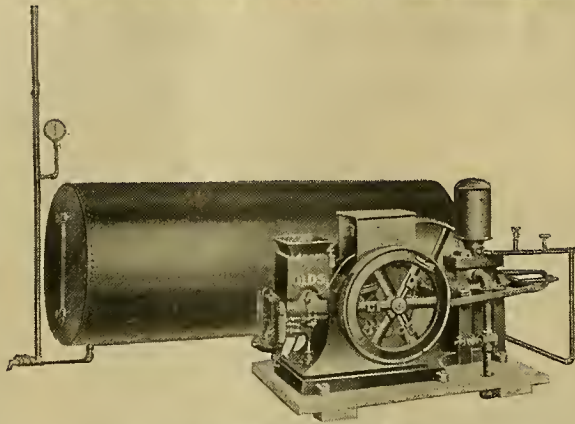
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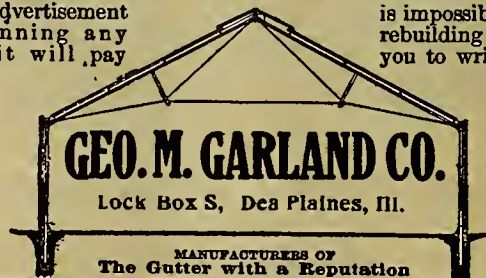
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# THE AMERICAN FLORIST



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Vol. XXXVIII.

CHICAGO AND NEW YORK, JULY 20, 1912.

No. 1259

## THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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PUBLISHED EVERY SATURDAY BY

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Third National Flower Show, New York, April  
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### AMERICAN SWEET PEA SOCIETY.

Annual convention and exhibition at Boston,  
Mass., 1913. WILLIAM SIM, Cliftondale, Mass.,  
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teenth street, New York, Secretary.

### CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,  
November 6-8, 1912. CHARLES H. TOTTY, Mad-  
ison, N. J., President; C. W. JOHNSON, Morgan  
Park, Ill., Secretary.

### RAILWAY GARDENING ASSOCIATION.

Next meeting at Roanoke, Va., August 13-16,  
1912. PATRICK FOV, Roanoke, Va., President; J.  
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### ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to be held at  
Milwaukee, Wis., August 20-22, 1912. JOHN J.  
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Next meeting at Boston, Mass., August 12-14,  
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F. L. MULFORD, Washington, D. C., Secretary  
Treasurer.

### AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition at Chicago, August  
20-23, 1912. I. S. HENDRICKSON, Floral Park, N. Y.,  
President; L. MERTON GAGE, Groton, Mass., Sec'y

## AMERICAN SWEET PEA SOCIETY

Annual Convention and Exhibition at Boston, Mass., July 13-14.

### The Exhibition.

The fourth annual meeting and exhibition of the National Sweet Pea Society of America, hereafter to be known as the American Sweet Pea Society, was held in the hall of the Massachusetts Horticultural Society, Boston, Mass., July 13 and 14, 1912. Despite the severe hot weather with its lack of rain, for the last month there was a rare display of gorgeous flowers. The hall was crowded with exhibits and the show was unquestionably the largest exhibition of sweet peas ever held in America. There were more than nine hundred entries and nearly one hundred exhibitors. Notwithstanding the extreme heat of the last week the quality of the blooms in many cases was all that could be desired. Some experts two years ago thought that it was impossible to produce in the eastern states sweet peas to equal those of California, but every one at this exhibition agreed that as good sweet peas can be produced in New England, at least, as can be grown anywhere in the United States. The number of exhibits for competition as well as those not for competition was larger than in any previous exhibition of the society.

Entering Horticultural Hall, the first exhibit was in the lobby, where the Henry F. Michell Company, of Philadelphia, Pa., had a tastefully arranged exhibit. Four white pillars supported a green canopy of foliage, underneath which were arranged vases of a large number of varieties of sweet peas. In the main hall, down the center aisle, was a large collection of sweet peas grown in boxes and tubs by D. Finlayson. At the end of the hall was an exhibit of very large specimen hydrangeas and palms from the estate of William Whitman, Brookline, Mass. Other exhibits in this hall were splendid collections of Japanese iris from Dr. Harris Kennedy, Milton, Mass., and the Mt. Desert Nurseries. The Eastern Nurseries staged a fine collection of hollyhocks. The Julius Roehrs Co., Rutherford, N. J., had an exhibit of

several species of orchids. Thomas J. Grey exhibited vases of especially fine lily of the valley. This firm also exhibited a large collection of sweet peas. Peter Henderson & Co. staged a very large exhibit of sweet peas. The flowers were well grown and added much to the success of the exhibition. The Stump & Walter Co., New York, exhibited a collection of sixty-five varieties of sweet peas and was awarded the National Sweet Pea Society's bronze medal. Joseph Breck & Co. had a tastefully arranged exhibit of fine hollyhocks, snapdragons and sweet peas.

W. Atlee Burpee had the finest exhibit in the show, magnificently arranged by that unrivalled sweet pea exhibitor, G. W. Kerr. It was awarded the gold medal. Among the new varieties were: Captivation Spencer, a rich wine red; Lavender Queen, soft lilac; Vermilion Brilliant, bright scarlet; Juliet, pale apricot on lemon ground; Mrs. Warren, veined light blue; Earl of Chester, orange; Dorothy, lilac rose; Iolanthe, fine large white; Isobel Malcolm, rich primrose; and Prince George, lilac rose with red-violet wings. Another exhibit notable for excellence of arrangement was that of Arthur T. Boddington. Among the varieties were noted the following: John Ridd, a large purple self; Carene, orange; Loyalty, violet flake on white; Perdita, veined crimson heavier on the wings; Hercules, large pink self. He was awarded the National Sweet Pea Society's silver medal. The Fottler, Fiske Rawson Co. showed a good collection of sweet peas with gypsophila. John Lewis Childs exhibited one vase each of calla auranti and calla eliottiana. The lecture hall was filled to overflowing with the various exhibits in the competitive classes. R. and J. Farquhar had a large and meritorious exhibit of Liliun myriophyllum, which filled the stage. This exhibit well earned the gold medal of the Massachusetts Horticultural Society. The same firm received a first class certificate of merit for a vase of Liliun Duchartrei and honorable mention for a vase of Lil-

ium Sutchuenense and for plants of aurancaria excelsa "Silver Star." A first class certificate of merit was awarded Arnold Arboretum for Liliuin Chinense and honorable mention for Liliuin Bakerianum.

There were four entries in the table decorations. Duncan Finlayson, gardener to Larz Anderson, won first prize and the silver medal. Helen Lewis sweet peas with gypsophila were used. The second prize and bronze medal was awarded the Mt. Desert Nurseries for bluish pink and picotee edged varieties of sweet peas with grasses. Mrs. C. J. Rice was awarded third prize. Mixed sweet peas were used. Four mantel decorations of sweet peas were offered and the first prize was won by Wax Bros. The Boston Cut Flower Co. received second honors. The Boston Cut Flower Co. and Sidney Hoffman won first and second respectively for corsage bouquets of sweet peas. There were five entries. Those winning the prize were of lavender varieties. There were six entries of bridal bouquets. The first and second prizes were won by the Boston Cut Flower Co. and Henry R. Cornley. The most interesting feature of the show and certainly one of high value was the exhibit of sweet peas made by school children. This is a field of work which our national societies are beginning to recognize and it was an opportune time to show the growers the results of many years' effort along this line by the Massachusetts Horticultural Society. The sweet peas shown were very creditable and the success of the young gardeners this year should stimulate increased interest next year.

### The Business Meeting.

The business meeting was held in Horticultural Hall Saturday afternoon, July 13, with President Sim in the chair. An address of welcome was given by W. J. Stewart. President Sim read his address, in which he referred to the weather conditions under which the local growers had labored. He recommended the issuing of a publication giving the latest information about sweet peas. The work of the society was outlined and that of the trial grounds at Cornell was commended. A brief report of the work at the trial grounds was presented by Professor A. C. Beal. This report showed a larger number of new varieties and seedlings under test than in past seasons, and an invitation was extended to the members to visit the trials at Ithaca. The election of officers resulted as follows: Wm. Sim, Cliftondale, Mass., president; J. C. Vaughan, Chicago, vice-president; H. A. Bunyard, New York, secretary; G. H. Pepper, New York, recording secretary; A. T. Boddington, New York, treasurer. Invitations for the next meeting were received from Chicago, Asbury Park, N. J., and Boston, Mass. The society voted to hold the next annual meeting and exhibition in 1913 in Boston again. The society voted, after some discussion, to change the name to the American Sweet Pea Society. Professor J. J. Taubenhaus of the Delaware Agricultural Experiment Station then read an interesting and instructive paper upon the Diseases of the Sweet Pea. A request from Professor Taubenhaus for an appropriation to assist in the further study of methods of controll-

ing the diseases of sweet peas was referred to the executive committee. In the evening the visiting members of the society were entertained at an informal luncheon. A program of toasts interspersed with vocal and instrumental musical selections followed.

Among those present were: W. Atlee Burpee and Mrs. Burpee, Philadelphia, Pa.; William Sim and Mrs. Sim, Cliftondale, Mass.; H. A. Bunyard, New York; Leonard Barron, New York; J. H. Pepper, New York; C. H. Totty, Madison, N. J.; Harry Turner, New York; William Duckham, Madison, N. J.; Edwin Jenkins, Lenox, Mass.; Allen Jenkins, Lenox, Mass.; Prof. A. C. Beal and Mrs. Beal, Ithaca, N. Y.; Rev. W. T. Hutchins, Milbury, Mass.; William Kleinheintz, Ogontz, Pa.; W. T. Logan, Philadelphia, Pa.; M. C. Ebel, Madison, N. J.;



Harry A. Bunyard.

Secretary American Sweet Pea Society.

Miss Dorothy Ebel, Madison, N. J.; G. W. Kerr and wife, Philadelphia, Pa.; W. B. Kirby, New York; J. J. Taubenhaus, Newark, Del.; L. Merton Gage, Orange, Mass.; R. O. Wadsworth, Northboro, Mass.; Maurice Field, Philadelphia, Pa.; B. Hammond Tracy, Wenham, Mass.; William Robertson, Jenkintown, Pa.; W. F. Cockcroft, Saugatuck, Conn.; Daniel Whyte, North Easton, Mass.; Hugh Buch, Bedford Hills, N. Y.; J. O. Chrisensen, Taunton, Mass.

The judges were: Commercial Growers' Section—C. H. Totty, G. W. Kerr, Harry Turner, Edwin Kirk and James Bond; Private Gardeners' Section—Chas. Sandiford, Arthur Griffin, Charles Knight, Peter Murray, W. B. Kleinheintz; Retail Section—William Duckham, Edwin Jenkins, Fred Heermans; Amateurs' Section—Wm. Nicholson, D. N. Craig, Joseph Clark; School Garden Section—Rev. W. T. Hutchins, William Miller, Fred E. Palmer, Wm. Swan.

BARNEGAT, N. J.—The building of a new plant and the enlargement of the old one will give the New Jersey Moss & Peat Co. of this place an annual capacity of 40,000 bales of moss.

### The Awards.

#### SECTION A.

Twelve vases sweet peas, 25 sprays to a vase, 12 distinct varieties, Joseph Breck & Son's prize.—Miss Fanny Foster, first.

Six vases of sweet peas, 25 sprays to a vase, six distinct Spencer varieties, R. & J. Farquhar & Co.'s prize.—Mrs. T. O. Richardson, first; W. D. Sloane, second.

Vase of sweet peas, 10 Spencer varieties, 25 sprays to the vase with foliage, Thomas J. Grey Co.'s prize.—W. D. Sloane, first.

Twenty vases of sweet peas, 20 varieties, 25 sprays to a vase, Fottler, Fiske, Rawson Co.'s prize.—Winthrop Ames, first; High Lawn, second; H. E. Converse, third.

Vase of white Spencer sweet peas, Jerome B. Rice Seed Co.'s prize.—S. P. Shotter, first.

Eight vases of sweet peas, 8 Spencer varieties, 25 sprays to a vase, Vaughan's Seed Store's prize.—S. P. Shotter, first.

Collection of sweet peas, 25 varieties, not less than 25 stems to a vase, to be shown with sweet pea foliage only, Arthur T. Boddington prize.—Giraud Foster, first; S. P. Shotter, second; Hon. Seth Low, third.

Six vases Spencer or Unwin sweet peas, Watkins & Simpson prize.—Mrs. John S. Kennedy, first.

Display covering 24 square feet, sweet pea or other foliage to be used.—S. P. Shotter, first; W. J. Clemson, second.

#### SOCIETY PRIZES—SPENCERS.

Vase white, 25 sprays.—Mrs. John S. Kennedy, first; S. P. Shotter, second.

Vase lavender or blue, 25 sprays.—Mrs. John S. Kennedy, first; S. P. Shotter, second.

Vase salmon or orange, 25 sprays.—Miss Fanny Foster, first; S. P. Shotter, second.

Vase crimson or scarlet, 25 sprays.—S. P. Shotter, first; Giraud Foster, second.

Vase primrose, 25 sprays.—Mrs. John S. Kennedy, first; S. P. Shotter, second.

Vase light pink, 25 sprays.—Mrs. T. O. Richardson, first; S. P. Shotter, second.

Vase dark pink, 25 sprays.—Giraud Foster, first; Mrs. John S. Kennedy, second.

Vase any other color, 25 sprays.—S. P. Shotter, first; Miss M. T. Cockcroft, second.

#### SOCIETY PRIZES—GRANDIFLORA TYPES.

Vase white, 25 sprays.—Giraud Foster, first.

Vase scarlet or crimson, 25 sprays.—Giraud Foster, first.

Vase lavender or blue, 25 sprays.—Giraud Foster, first.

Vase any other color, 25 sprays.—Giraud Foster, first.

#### SECTION B.

Collection of sweet peas, Spencer, Unwin and Grandiflora types, Mrs. Seth Low's prize.—Hon. Seth Low, first; W. D. Sloane, second.

Finest 12 vases of sweet peas, 12 varieties, W. Atlee Burpee's prize.—Giraud Foster, first.

Vase of one variety of Spencer type sweet pea introduced 1912, W. Atlee Burpee's prize.—Giraud Foster, first; S. P. Shotter, second; Miss Fanny Foster, third.

Vase of Grandiflora type of sweet peas, W. Atlee Burpee's prize.—S. P.

Shotton, first; Edwin L. Lewis, second.

Table of sweet peas to be arranged on a space four by three feet and not to exceed three feet in height, Suttin & Sons' prize.—S. P. Shotton, first.

Fifteen varieties of Spencer sweet peas, 12 spikes each, own foliage, to comprise the varieties of the Henderson prize collection of 1912, Peter Henderson & Co.'s prizes.—Mrs. W. B. Leeds, first; S. P. Shotton, second; Giraud Foster, third; Merrell, fourth; Irving C. Atwood, fifth.

Twelve vases sweet peas, six Spencer varieties, six Grandiflora varieties, 25 sprays to a vase, with any foliage, J. Horace McFarland Co.'s prize.—W. J. Clemson, first.

Six vases Spencer sweet peas in the following six colors: Crimson Spencer, White Spencer, Pink Spencer, Variegated Spencer, Lavender Spencer, Primrose Spencer. Not less than 25 sprays to a vase. Sweet pea foliage to be used unattached, Stumpp & Walter Co.'s prize.—Mrs. Thos. J. Emery, first; Giraud Foster, second; W. D. Sloane, third.

## SECTION C.

Six vases of sweet peas, six varieties, 10 sprays to a vase.—Miss Isabel Miller, first; O. J. Putnam, second; W. D. Blossom, third.

Three vases of sweet peas, three varieties, 10 sprays to a vase.—Miss Isabel Miller, first; O. J. Putnam, second; W. H. D. Meier, third.

Twenty-five sprays of Spencer sweet peas, assorted colors, Henry F. Michell Co.'s prize.—W. H. D. Meier, first.

Vase of mixed sweet peas, not less than 50 sprays, A. T. Stearns Lumber Co.'s prizes.—Miss Isabel Miller, first; J. A. Raddin, second; W. H. D. Meier, third.

Vase of mixed sweet peas, not more than 25 sprays, John Lewis Childs prize.—Miss Isabel Miller, first; W. D. Blossom, second; W. H. D. Meier, third.

Vase of mixed Spencer sweet peas, 50 sprays to the vase, Jos. Breck & Sons' prize.—Miss Isabel Miller, third.

## SOCIETY'S PRIZES.

Vase white, 12 sprays.—J. A. Raddin, first; W. D. Blossom, second.

Vase pink, 12 sprays.—J. A. Raddin, first; W. D. Blossom, second.

Vase dark pink, 12 sprays.—Mrs. F. D. Lambert, first; A. E. Slowman, second.

Vase lavender, 12 sprays.—Leslie Bennett, first; W. D. Blossom, second.

Vase salmon or rose, 12 sprays.—W. D. Blossom, first; Mrs. F. D. Lambert, second.

Vase crimson or scarlet, 12 sprays.—W. D. Blossom, first.

Vase primrose, 12 sprays.—J. A. Raddin, first; Mrs. F. Lambert, second.

Vase any other color, 12 sprays.—J. A. Raddin, first; W. D. Blossom, second.

## SECTION D.

Vase of sweet peas, 100 sprays Countess Spencer, Penn's prize.—H. F. Calder, first.

Six vases sweet peas, 50 sprays to the vase, Boston Cut Flower Co.'s prize.—H. F. Calder, first.

Twenty vases of sweet peas, 20 varieties, 25 sprays to the vase, M. J. Tuohy's prize.—Marion C. Collins, first; H. F. Calder, second.

Twenty vases of sweet peas, 20 varieties, 25 sprays to a vase, Fottler,

Fiske, Rawson Co.'s prize.—H. F. Calder, first.

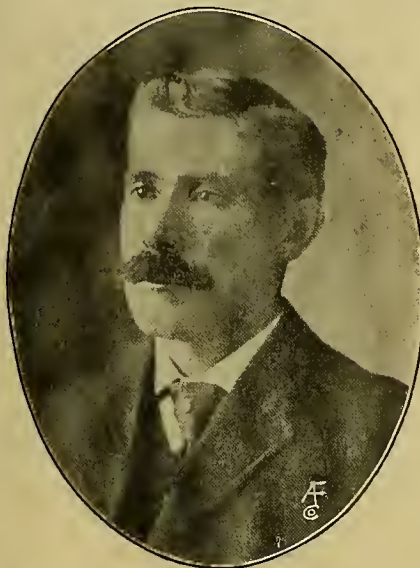
Twelve vases of sweet peas, 12 varieties, 25 sprays to a vase, Henry Comley's prize.—H. F. Calder, first.

Six vases, 50 sprays to a vase, six distinct colors, foliage optional, Boston Flower Exchange, Inc., prize.—Mt. Desert Nurseries, Bar Harbor, Me., first; H. F. Calder, second; J. N. Lipman, third.

Six vases of sweet peas, 25 sprays to a vase, six distinct colors, Boston Co-operative Flower Market's prizes.—Mt. Desert Nurseries, first; H. F. Calder, second.

Three vases, 50 sprays to a vase, three distinct colors, Thos. J. Grey Co.'s prize.—H. F. Calder, first.

Three vases, 50 sprays to a vase, three distinct varieties (Spencers), white, lavender and pink, Henry F. Michell's prize.—J. N. Lipman, first.



Wm. Sim.

President American Sweet Pea Society.

## SOCIETY'S PRIZES.

Vase white, 50 sprays.—Mt. Desert Nurseries, first.

Vase pink, 50 sprays.—Mt. Desert Nurseries, first.

Vase deep rose, 50 sprays.—Mt. Desert Nurseries, first.

Vase lavender, 50 sprays.—H. F. Calder, first.

Vase salmon or orange, 50 sprays.—Mt. Desert Nurseries, first.

Vase crimson or scarlet, 50 sprays.—Mt. Desert Nurseries, first.

Vase Picotee edged, 50 sprays.—Mt. Desert Nurseries, first.

Vase striped or mottled, 50 sprays.—Mt. Desert Nurseries, first.

## SECTION E.

Basket of sweet peas, Boston Co-operative Flower Market's prize.—Wax Bros., first; Harry Comley, second.

Mantel Decoration.—Wax Bros., first; Boston Cut Flower Co., second.

Bridal Bouquet.—Boston Cut Flower Co., first; Harry Comley, second.

Hamper of sweet peas.—Harry Comley, first; Wax Bros., second.

Corstage of sweet peas.—Boston Cut Flower Co., first; Sidney Hoffman, second.

Centerpiece of sweet peas and foliage, Henry F. Michell Co.'s prize.—

Penn, the Florist, first; Harry Comley, second.

## SECTION F.

Display of sweet peas not to occupy more than 24 square feet, F. R. Pierson's prize.—Saugus High School, first.

Display of sweet peas by any school in the town of Framingham, S. J. Geddard's prize.—Normal Practice School, first.

Display of sweet peas exhibited by any school of Natick, James Wheeler's prize.—Wilson School, first.

Vase of sweet peas, 50 sprays to the vase, assorted colors, Saugus Home & School Ass'n's prize.—Willo Blossom, first; Henry Sproule, second; Lena Marane, Josephine Marano, Louisa Cook, third.

Vase of sweet peas, assorted colors, 25 sprays, Saugus Home & School Ass'n's prize.—Willo Blossom, first; Albin Sproule, E. E. Metcalf, Davis Neale, Merle Chard, second.

Vase sweet peas, assorted colors, 25 sprays, Saugus Home & School Ass'n's prize.—Melba Florton, first; William Condon, second.

Vase of sweet peas, 12 sprays, assorted colors, Saugus Home & School Ass'n's prize.—Geo. Ramsdell, first; Allison Reddin, second.

Vase of six sprays sweet peas, pink, Henry F. Michell Co.'s prize.—Leslie Bennett, first.

## GARDENERS AND FLORISTS' CLUB OF BOSTON PRIZES.

Vase white, six sprays.—Edgar Parker, first; Catherine Hildreth, second; Frances Twombly, third; Willo Blossom, fourth; Amelia T. Brock, fifth.

Vase light pink, six sprays.—Willo Blossom, first; Edgar Parker, second; Amelia T. Brock, third; Helen Doiscell, fourth; Catherine Hildreth, fifth.

Vase deep pink, six sprays.—Catherine Hildreth, first; Amelia T. Brock, second; Willo Blossom, third; Ellery E. Mitcalf, fourth.

Vase lavender, six sprays.—Catherine Hildreth, first; Willo Blossom, second; Amelia T. Brock, third.

Vase crimson or scarlet, six sprays.—Edgar Parker, first; Catherine Hildreth, second; Willo Blossom, third; Amelia T. Brock, fourth; Helen Driscell, fifth.

Vase of any other color, six sprays to a vase.—Edgar Parker, first; Catherine Hildreth, second; Amelia T. Brock, third; Willo Blossom, fourth.

Bouquet of sweet peas.—Bertha E. Holmes, first; Catherine Hildreth, second; Donald W. Rust, third.

Vase of mixed sweet peas, not more than 25 sprays.—Edgar Parker, first; Catherine Hildreth, second; Jessie Bryant, third; Willo Blossom, fourth; Amelia T. Brock, fifth; Harold Johnson, sixth; John Green, seventh; William Condon, eighth.

Vase of mixed Spencer sweet peas, 50 sprays, Jos. Breck & Sons' prize.—Amelia T. Brock, first.

Vase of mixed Spencer sweet peas, 25 sprays, Jos. Breck & Sons' prize.—Amelia T. Brock, first.

Best display made by any individual child in any class, Garden Magazine Achievement Medal.—Catherine Hildreth, first.

## SECTION G.

Display of sweet peas in pots, tubs or boxes, William Sim's prize.—Duncan Finlayson, first.

Display of sweet peas, both plants or foliage other than sweet peas ad-

missible, Lunt Moss Co.'s prize.—Henry F. Mitchell Co., Philadelphia, Pa., first.

Collection of sweet peas, C. C. Morse & Co.'s prize.—W. Atlee Burpee Co., Philadelphia, Pa., first; Arthur T. Boddington, New York, second; Stumpp & Walter Co., New York, third.

Vase of Queen Alexandra Spencer, Henry A. Dreer's prize.—S. P. Shotter, first; Giraud Foster, second.

Vase of Blanche Ferry Spencer, Henry A. Dreer's prize.—Giraud Foster, first; S. P. Shotter, second.

Vase of Ruby Spencer, Henry A. Dreer's prize.—Giraud Foster, first; S. P. Shotter, second.

Vase of Juanita Spencer, Henry A. Dreer's prize.—Giraud Foster, first; S. P. Shotter, second.

Twelve vases of sweet peas in 12 varieties, not less than 25 sprays to the vase, National Ass'n of Gardeners' prize.—Miss M. T. Cockcroft, first; John W. Pepper, second.

Most meritorious exhibit of sweet peas, gold medal.—W. Atlee Burpee & Co.

#### Present Knowledge of Sweet Pea Diseases.

Abstract of a paper read by Prof. J. J. Taubenhaus, of the Delaware College Agricultural Experiment Station, at the annual meeting of the American Sweet Pea Society, Boston, Mass., July 13-14.

Most amateurs for reason of either lack of space or unknowingly grow their sweet peas in the same lot year after year. The result is that diseases set in and make it impossible any longer to grow sweet peas on that same place. Immediately the seeds are blamed and the customer begins changing trade from seedsman to seedsman but with no better results. Thus lack of information from the grower or amateur on the one hand and the slowness of the seedsman to admit that the sweet peas can be troubled by diseases on the other causes the trade thus invariably to suffer. Hence, when considered purely on an economic basis the seedsman are the losers. Whatever disease the seedsman is willing to admit he usually throws the blame to high feeding or to the dry weather. From inquiries sent out to most of the seedsman who grow sweet peas in this country only two very vaguely admitted that their sweet peas are troubled with blight. We do not for one minute doubt the truth of the statements of all these gentlemen, but we believe that if the seedsman took this matter more seriously they would soon realize that their interest is at stake. It is sometimes good for all of us to be from "Missouri" in order that we may be shown. We would feel highly gratified and our efforts well repaid if we could impress you with the fact that sweet peas suffer from diseases which are caused by either insects or parasitic fungi. It is to the benefit of the seedsman and the well being of the trade to admit these facts and recognize the necessity of investigating these diseases and finding remedies for them, and of disseminating broadcast the results of these findings to all those interested in them.

In dealing with the diseases of the sweet pea we have to recognize two classes: First, diseases of the sweet pea grown under glass; second, diseases of the sweet pea grown out of doors. Under glass, sweet peas are not as extensively grown as out of doors. The time is undoubtedly rapidly approaching when the market

will call for more sweet peas in the winter. We have no information as to how many are actually engaged in growing winter sweet peas, and the success or failure with which these growers meet. We know of a few growers who have attempted to grow sweet peas under glass but who have failed. For the benefit of the rest of us we will here consider some specific cases in order to bring your attention some of the possible diseases which trouble sweet peas under glass. A grower (I cannot give you the name) erected a forcing house for the purpose of growing winter sweet peas. His first attempt was a failure. His plants began to die in spots and only here and there did a plant remain alive. The grower soon complained to his seedsman and the latter kindly referred him to us. We immediately asked for a complete history of the trouble and for specimens



Prof. J. J. Taubenhaus.  
American Sweet Pea Society Essayist.

of diseased plants and soil. The following is the story of the trouble as told by the grower himself: "The house the peas are in was built last summer on a piece of ground which had been in grass for over five years. I had bought the ground six years ago from a farmer who had corn in it for several years but always very poor. I gave it a heavy dressing of horse manure and had it ploughed and sown with Kentucky blue grass and red clover seeded on it. The grass was a failure and the clover did not come at all. When I planted the peas I manured very heavily, using about four inches of cow manure and some little horse manure. Those that did grow did very finely; the rest were a failure. It is altogether a puzzle to me, and I hope you will be able to get at the root."

The diseased specimens which this grower sent us revealed some very interesting things. It was plainly seen that the plants suffered from more than one disease. At the exterior the plants looked healthy but a closer examination revealed a yellowish sickly appearance. The seat of the trouble in some cases was confined to the roots only, and in others that part of the stem just above the roots. In the first instance we found a typical case of eel worms (*Heterodera radicum*) better known as

root-knot disease. Those of you who grow violets have surely met with this trouble. It is evident that roots crippled with eel worm cannot make much headway. Of the other specimens where the seat of the disease seemed to be located at the junction between the roots and the stem the latter was found to be covered with a white web of fine mycelium threads of a fungus. In splitting open the stem it was found to be filled with the same white mycelium and intermixed with small sclerotia. Cultures of this mycelial growth readily gave a pure culture of a sclerotinia, resembling in all appearances the sclerotinia *libertinia*, a fungus which causes the damping off of lettuce and so many other plants. In order to establish definitely the relationship of this sclerotinia fungus to this disease of sweet peas under glass, sterilized seeds were planted in sterilized pots and soil in the laboratory. All the seeds germinated and the plants were allowed to grow for three weeks with no disease appearing on them. Then the pots were divided in two lots. One was left as a check and the other was inoculated with the pure culture of the sclerotinia by introducing pieces of the fungus in the soil. Both lots, check and infected plants, were covered with bell jars to imitate the moisture condition of the greenhouse. After four to six days wilting of the inoculated seedlings began, whereas the checks remained healthy. This was repeated several times with always the same results. This conclusively shows that the fungus *sclerotinia libertinia* produces a disease on sweet pea under glass when present in the soil. This fungus is usually brought in the greenhouse with the soil or with the manure. From the account which the grower gave us it was purely a case of infected soil. Cross inoculations with this fungus from the sweet pea and the one from lettuce produced typical cases of wilt in each, thus proving conclusively that this fungus from the sweet pea is the same as the *sclerotinia libertinia* of the lettuce, and that the sweet peas are at stake if they are made to follow a crop of lettuce which suffers from this disease.

Several other fungi were isolated from the diseased stems and roots above discussed. Inoculations with pure cultures of these fungi on healthy seedlings proved to be active parasites. We are not here giving our final word on these fungi as more experiments are still under way. While working on the diseases of the roots and stems we have also investigated the soil which was sent to us by the grower. Accordingly, a few sterilized pots were filled with the soil and sterilized seeds planted in it, and a few other sterilized pots were filled with sterile soil and also sown with sterilized seeds. The same amount of seeds were planted in both lots of pots. After ten days the seeds in the sterile soil germinated and grew well while the seeds in the sick soil germinated but very sparingly. Upon closer examination these non-germinated seeds were found to be rotted and of those few plants which grew one half had their roots nearly rotted. In culturing these roots the same fungi were obtained. Cultures made from this sick soil produced the same fungi as those found on the diseased roots and stems. Our experiments are





COOK COUNTY FLORISTS' ASSOCIATION'S PICNIC, KARTHAUSER'S GROVE, CHICAGO, JULY 14, 1912.

as yet incomplete but the results obtained so far point to the fact that these fungi in the soil are the cause of this soil sickness. The debris found in this sick soil also readily yielded a pure culture of the sclerotinia libertinia of which I have just spoken. All these fungus diseases just described can also at any time and under certain climatic conditions attack the sweet peas grown out of doors.

Complaints of another grower of sweet peas under glass reached us. The following are his own words which speak for themselves: "I grow sweet peas under glass for cut flowers and have been seriously troubled with a disease that spots or mottles the foliage with a yellow color, disfiguring the foliage and flowers and as it becomes pronounced a diseased plant never recovers. Both the weak winter blooming and the stronger Grandiflora or Spencer type are subject alike to it out of doors as well as under glass. We know nothing of this trouble, every grower we have spoken to having a different theory, some believing the puncture of green fly or aphid the cause. Our observations led us to believe the use of green manure is responsible. Any light you can turn on this trouble will be very welcome. Early in the spring of 1911 it started in greenhouses and spread rapidly, destroying fully one-third of our crop. Last fall it showed up again. We carefully pulled out all plants showing it and gradually it disappeared. As the weather became hot this spring, much of it was noticed, but it was too late to do much harm."

As this same spotting or mottled disease is also a very serious trouble of outdoor sweet peas we shall discuss it later under the heading of diseases of the sweet pea out of doors. Before taking up these diseases it would not be out of place to mention the insects which are parasitic on the sweet pea, although this could constitute an address in itself. Among

the biting insects we have "the corn root worm beetles" (*Diabrotica longicornis*) so called because the larva often injures the corn crop in the South. The beetle is greenish yellow with six black spots on its back. It resembles the cucumber striped beetle. Another biting insect is the striped potato beetle (*Epicanta vittata*). The cut worm when present often causes great annoyance, sometimes destroying the entire crop. The wire worm also is to be dreaded, especially when sweet peas are planted on a soil which was previously in sod. Among the sucking insects we have the red spider (*Tetranychus telarius*) which is especially troublesome to peas under glass. Finally the green aphid, which is also very troublesome, is more to be feared in dry weather. So much for the insects. I have mentioned them not only for the harm they inflict by themselves but as you will soon see for the important role they play in spreading the fungus diseases of the sweet pea. As to the fungus diseases, it seems that some erroneous belief has crept into the minds of some growers and even into those of some of our sweet pea specialists, namely, that the sweet pea is a plant unusually free from diseases, that the diseases if ever present are induced by dry weather or excessive feeding and that when the plants are growing naturally they are practically immune from the attacks of any diseases. We do not mean to deny that high feeding may predispose the plants to diseases, although this has to be experimentally proven before we can accept the statement as valid. We believe that growing sweet peas under natural conditions will not immunize them from diseases of any sort. In fact, our own experimental plantation of sweet peas which we have at the Delaware Agricultural Experiment Station is as free from excessive feeding as one could ask for. The soil is of ordinary clay loam. It bore two years ago a crop of hay and last year a crop of potatoes. The potatoes last year received a regular potato

fertilizer and this year no manure of any kind was applied. The sweet peas are of course given the necessary cultivations and no more. Yet in spite of this they are suffering from two of the worst diseases, and of which I am about to speak presently.

I have already mentioned to you the spotted or mottled disease of sweet peas under glass. This is a new disease to this country and it is a very dangerous one. This disease in its attacks is not restricted to greenhouse conditions alone but it is also a serious disease of sweet peas out of doors. For convenience sake we will call this the mosaic disease. It is readily distinguished by a yellow dotting or mottling of the leaf, presenting in some instances a beautiful mosaic structure, hence its name. Affected leaves seem to linger for a time but they eventually lose all the chlorophyll and soon drop off. A better symptom of this disease is a curling of the leaves at the tips, very much resembling the curling of leaves induced by green aphid, but in this case the aphid has no association. The disease makes its appearance after the seedlings are from three to four weeks old. Often the disease is so bad and the curling so pronounced that the plants thus affected cannot make any headway and remain dwarfed. An attempt is made by these curled parts to produce a few flowers, but the latter, however, are borne on very short peduncles as compared with the long peduncles of healthy plants of the same variety. Frequently, however, the affected plants outgrow the disease entirely, and thus a distinct line of demarcation can be made between the previously diseased part and the healthy part of the new growth. At other times infected plants keep on growing and even flowering with the disease keeping pace. Attempts to culture and to isolate the organism which caused this mosaic disease have failed. Like the peach yellows, the mosaic disease of the tobacco and tomatoes, this mosaic disease of the sweet pea too can be reproduced by

a puncture with a sterile needle from a diseased into a healthy leaf. Yet no organism could be obtained in culture nor can it be detected with the microscope. Nevertheless this disease is contagious, as is the peach yellows.

When this disease first made its appearance in our experimental sweet pea field the diseased areas were immediately located in order to learn something of its spread. They formed two small areas, one in about the center of the field, the other in the southeast corner. Within a lapse of ten days another survey was made and the whole field was found to be contaminated. With the exception of the dwarf cupid varieties which are seemingly immune, all the rest were found to be affected with the mosaic. When first investigating this disease we thought that perhaps this mottling of the leaves was merely a variegated condition of the leaves. We also thought that perhaps the curling of the tender tips as well as the mosaic effect was due primarily to the presence of aphides, which at the beginning of the season was so plentiful. Experiments were then undertaken to determine definitely these points. Accordingly sterile pots with sterile soil were planted with sterilized seeds. Each pot was isolated in a glass chamber and the plants were allowed to grow for three weeks to see if any disease would develop on them. However, these plants remained very free from any diseases. These pots with plants were then divided in four lots. Into lot number one were introduced a few stem mothers of green aphides from affected mosaic plants in the field. In lot two were introduced a few stem mother aphids from apparently healthy plants in the field. The plants in lot three were punctured with sterile needles by pricking a mosaic affected leaf and then puncturing with the same needle the healthy leaves. Lot four was merely punctured with sterile needle and these were designed to serve as checks. In each lot there were pots with plants

in order to duplicate each experiment. After ten days the lots which were inoculated with the aphids from diseased and healthy plants both began to show the symptoms of mosaic. This would therefore seem to show that the mere puncture of aphids would be responsible for the mosaic disease. However, this is not the case, as we will soon see. Moreover, it is easy to suppose, and that on very good ground, that the aphids taken from seemingly healthy plants in an infected field might themselves have been infected before. But this would be no valid proof. Lot three which was infected with needle punctures from diseased leaves began after 10 days to show the mosaic disease, while the check punctures remained all healthy to the end of the experiment. This definitely proves that the aphides are not the cause of the trouble but they are merely the carriers of the mosaic disease.

It seems therefore that any steps taken to control the aphides may also serve to control the mosaic. From this too it seems that not only the aphids, but also any biting or sucking insect may help to spread the disease. It has been also definitely proved that the mosaic disease is a contagious one, since it can be produced at will by artificial inoculations. Your present speaker believes with Professor T. F. Manns, chief pathologist and bacteriologist of our Delaware Experiment Station, that the mosaic disease is caused by a protozoic organism which our present microscope and our present cultural and straining methods are insufficient to detect. The symptoms produced in artificial inoculations of this disease are similar to those in the field, namely, a yellowish spotting or mottling of the leaves and a tendency of the leaves of the tips of the plant to curl. Judging from all our observations it does not seem probable that this mosaic disease of the sweet pea is either introduced or carried with the seeds. The mosaic disease has not once made its appearance in the laboratory during two

years' work on the sweet pea diseases, and in sowing both sterilized and unsterilized seeds were used all the time. However, it must be added in this connection, that we have always used sterilized pots and soil. This at once suggests the possibility of the soil being the source where the organism is harbored. On this point we are now working. Should we find the soil to harbor the organism then we shall be on the road of discovering some means of treatment.

The Anthracnose of the sweet pea is another new American disease of this plant. It was first described by Prof. Sheldon of the West Virginia Agricultural Experiment Station. This disease, although recently worked out, is apparently an old disease known under the names of wilt or drop. In the little booklet of "Sweet Peas up to Date," published by Burpee & Co., it is spoken of as Buldrop and is attributed to well-cultivated and heavily manured plants and also to wet seasons. A rich soil and wet climates cannot produce the drop. These are only factors which help the disease in its destructive work. The cause of the anthracnose disease is a fungus (*Clemerella rufomaculans*) which is the cause of the bitter rot of the apple. Tree inoculations have been carried on with these two organisms and their identity definitely established. This means that if your sweet peas grow near some apple orchard and if the latter suffers from the bitter rot, it will be carried readily by the wind or some insect to the sweet peas and produce the anthracnose disease. We have also proven that the organisms which cause the anthracnose of the pepper, the persimmon fruit and the May apple fruit will also produce the anthracnose disease of the sweet pea and the bitter rot of the apple. It is thus seen how serious a proposition this becomes when we consider the many hosts which can communicate this disease to the sweet pea.

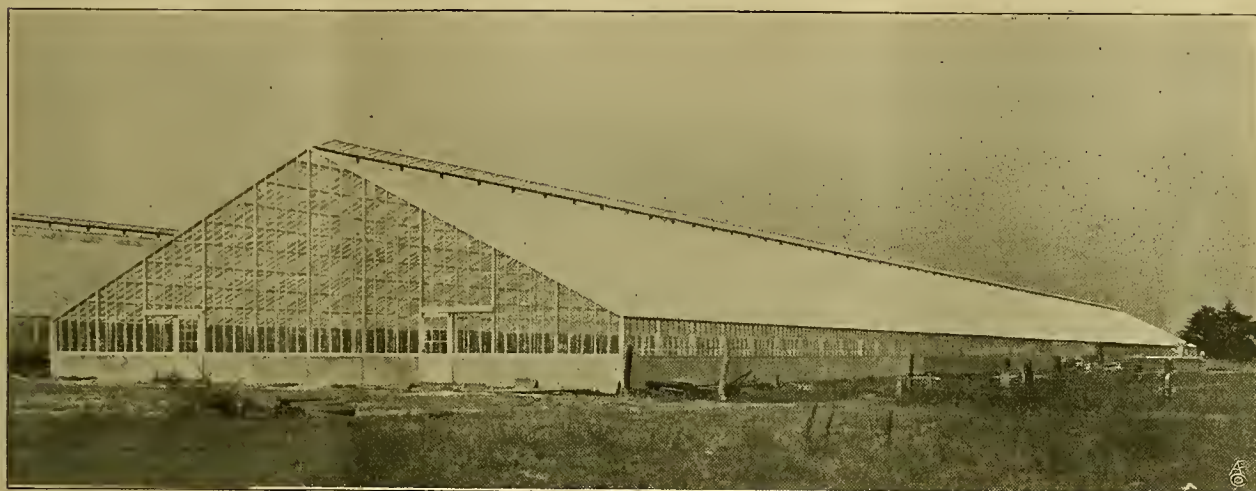
The symptoms of the anthracnose of the sweet pea are diverse. Some-



INTERIOR OF THE JOS. HEACOCK CO.'S NEW HOUSE.



THE JOS. HEACOCK CO.'S PLANT AT ROELEFS, PA.

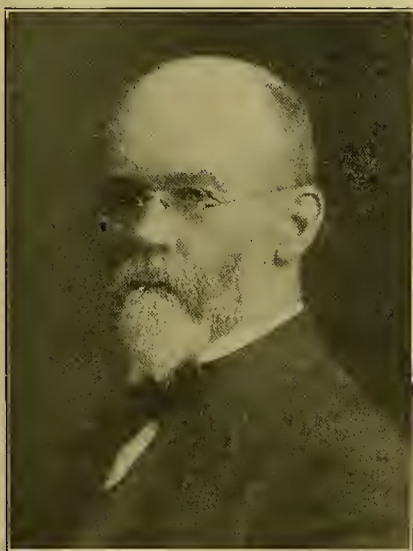


THE JOS. HEACOCK CO.'S NEW HOUSE, 72X600 FEET, AT ROELEFS, PA.

times the disease is manifested as a wilting and dying of the tips. These diseased parts become whitish and brittle and soon break off. Sometimes the dying works downward and this involves the entire branch. Often times the leaves are attacked and they soon die. On the leaves the disease soon starts as a white spot which enlarges and involves the entire area. On the blossoms the fungus either attacks the junction between the flower buds and the peduncle (in this case the bud drops off, leaving the peduncle intact) or it attacks both flower bud and the peduncle and this time both dry up but do not fall off. The seed pods are also attacked in all their stages of development. In this case the fungus works inward until it reaches the seeds. The fungus is capable of living over winter on diseased parts of the plants, in the soil or on the seeds, as was definitely proven in our experiments.

There is another disease known as mildew. This is caused by a fungus which lives on the surface of the leaves and sends in suckers into the interior tissue of the host. This fungus attacks both indoor and outdoor sweet peas. However, it need not be feared as it is easily controlled by sulphur dusting.

Little is done or known in the way of controlling the diseases of the sweet pea. There are, however, cer-



Joseph Heacock.

tain measures of control which we can adapt from methods of other plants which suffer from diseases of natures similar to those of the sweet pea. For the nematodes and all the other root and soil diseases of the

sweet pea we would recommend the same treatment as that recommended in Ohio by Prof. Selby for lettuce disease under greenhouse conditions. The treatments recommended are of two kinds, namely, steaming the soil and formalin treatment of the soil. The formalin treatment consists first in spading the soil and bringing it to a good tilth condition as to moisture content. Then the soil is treated with a solution of formalin made of two pints of 40 per cent formalin in 50 gallons of water, at the rate of one gallon of the preparation to each square foot of the surface. The application may be given with an ordinary watering can. After the "heavy wetting down" the soil should be left free for about two weeks until all the formalin evaporates. This treatment will rid the soil of all fungus pests. But it will not be effective in controlling the nematodes. Hence, the heating method is the best. It is as follows: It is essential that the soil should be sufficiently moist and at the same time fairly loose. The steaming consists in burying a series of pipes in the soil and letting live steam pass through them. The pipes are perforated with cross head and boiler connection. The surface soil is then covered with canvas and the steam passed into the pipes. The temperature for best results is 181 to 212 F. maintained for a period of one hour.

For cut worms the following treatment is recommended: bran, 15 to 20 pounds; middlings, 10 pounds; white arsenic, 3 pounds; molasses or any cheap syrup, one gallon; freshly chopped green clover, alfalfa, etc., enough to make the mixture of a greenish tint. Mix thoroughly, add just enough water to allow of moulding into small balls. Put a pinch of this at different intervals of the row.

The biting insects could be controlled by the same methods used to control the cucumber striped beetle, namely, a sprinkling of paris green and flour. Considering the important role aphids play in carrying the mosaic disease it is very important that the sweet pea aphid should be kept in check. There are two ways of accomplishing this: The first is spraying with any compound of nicotine, the other is to have nature do it for us. In nature the green aphid is devoured by several species of lady bird beetles. The latter can be seen to feed voraciously on the aphid, hence, lady beetles should not be molested. Green aphids are also parasitised by a small Hymenopterous minute blackish or brown wasp-like insect. We now have a series of experiments under way on different spray mixtures to control the anthracnose. Although it is early yet to reach any conclusions it seems that potassium permanganate is the most promising fungicide. A one-half solution will control the anthracnose. The solution has a wine color but is more or less colorless when applied to the plant. It spots the flower, therefore it should be applied after picking the flowers. Spraying at intervals of two weeks will be sufficient.

BRIDGEPORT, CONN.—F. H. Woodruff and sons have let the contract for a new three-story seed house.

BOSTON, MASS.—James B. Shea, vice-president of the American Association of Park Superintendents and assistant superintendent of the Boston parks has been appointed superintendent to succeed the late J. A. Pettigrew.

### Joseph Heacock Co.'s New Houses.

Joseph Heacock is certainly one of the live wires of the profession. With him it is go ahead all the time, and at an ever quickening pace. Two years ago he purchased a farm at Roelefs, as the quite extensive grounds at Wyncote had been entirely covered with glass, the business was growing fast, and more stock was necessary to meet the demand. Roses, palms and orchids were the specialties. It was determined to give up the old place entirely to palms and orchids while an entirely new plant at Roelefs would provide space for roses. A house 52x600 feet was erected by the Lord & Burnham Co. and was planted almost entirely with pink and white Killarneys. The results from this were so satisfactory in the two seasons that on April 1 last ground was broken for a much larger structure which was erected by the Lord & Burnham Co., and which has been put through in record time, as it was completed and planted by June 14, just ten weeks after it was begun.

There are some unique features in the construction. The roof, which is of even span, is supported on two angle iron posts, about fifteen feet from either side of the center, with a connecting bar across the top. A row of pipe posts between these and the eaves on either side, which, together with the other supports, are individually anchored in cement with the cement walls, make the structure very rigid and secure. The end doors are not hinged but slide so that in severe weather they may not swing or be left open. There are twelve ground beds four feet wide and the full length of the house, less the cross, center and end walks. Cement walls two inches in width border these ground beds, which are about one foot above the walks. It took 23,000 roses to fill these beds, white and pink Killarney having the preference, with a few thousand of the newer good ones being given a trial. Heating is by steam, the condensation being re-

turned to the boiler by an automatic pump.

Although this house covers within a few feet of an acre of ground it is very well proportioned and has every appearance of being as staunch as the old 20x100 structure of years ago, whose "huge" roof frequently had to be propped up to bear the heavy falls of snow. Everything about the Heacock establishment, both at Roelefs and Wyncote, looks up to date and prosperous. The stock of palms, about one-third larger than last season, on account of the increased space, is in superb condition. We doubt if there is another home-grown collection like it in this country. Nothing is imported, everything being grown on from the seed. Kentias are the specialty and all sizes over six-inch pots are grown in tubs. Cibotium ferns are also a feature and are exceptionally well grown, all being finished on posts or pedestals. Orchids are fast becoming a factor, several large houses being filled with them; all are forced for the flowers. Much of the stock is shipped to other markets. K.

### Morehead Canadian Company.

The Canadian business of the Morehead Mfg. Co. of Detroit, Michigan, manufacturers of the Morehead system of steam line drainage and boiler feeding has grown to such proportions in the past few years as to make necessary the organizing of the Canadian Morehead Mfg. Co., Ltd., with headquarters at Woodstock, Ontario. The new company is incorporated under the laws of Ontario with the following officers: A. Fitzgerald, president; D. E. Stott, vice-president; Geo. H. King, secretary, treasurer and general manager. The Morehead line of steam traps will be manufactured under the direct supervision of Geo. W. Cole, who has represented the Morehead Mfg. Co. for the past nine years and is regarded as one of the oldest in experience and best posted steam trap and drainage men in the business. One of the new products of the company is the condenser trap, de-



ANOTHER VIEW OF THE INTERIOR OF THE JOS. HEACOCK CO.'S NEW HOUSE.

signed for use on low pressure and exhaust steam heating lines. This device is in general appearance similar to the old and well known Morehead return steam trap. In detail, however, the condenser trap differs from the return trap in the addition of a cold water connection made through a flexible tube with the tank of the trap. The flexible connection terminates in a perforated pipe inside of and running the length of the trap tank. In short, the condenser trap is nothing more or less than a combination of the principles of the jet condenser and the Morehead automatic return steam trap.

The condenser trap is held to dispense with the use of vacuum valves and pumps continually used on such systems, and it may be installed at less cost than others, claim its manufacturers. Connected to the return line of vacuum heating systems where a difference of pressure is maintained between the ends of the system, the line condensation and accumulating air is taken into the tank of the condenser trap as in the case of the return trap, but with the added pulling power of the vacuum created in the tank of the condenser trap. When the steam is turned on in the heating system, the various lines of which are full of air, the cold water supply valve is opened slightly. As the condensation from the return lines and the condensing water fills the tank the latter tilts, opening the live steam valve, allowing the steam pressure to enter and discharge the water contents into a return steam trap above the boiler or into an open heater. As soon as the water is discharged the tank containing the steam which is left resumes a horizontal or filling position. The tank returning to its horizontal position automatically opens the control valve on the cold water inlet and allows the cold water spray to come in contact with the live steam contained in the tank. This cold water condenses the steam and forms a vacuum in the tank of the trap which in turn performs the usual functions of created vacuum in heating systems, of pulling the condensation from the lines to be drained. The cold water supply is furnished either from city water works or a tank or other source that is available for that purpose. Particular attention is called to the fact by its manufacturers that a surprisingly small amount of water is required in the condensing process. A receiver is always used in connection with the condenser trap, the water seal in the receiver taking the place of thermostatic valves on the heating system. The condenser trap is used as the lower trap, taking the place of the return trap in the Morehead standard double trap installation, the lower or condenser trap discharging to the return trap placed above the boiler.

#### The M. Winandy Co., Mfgs., Chicago.

The M. Winandy Company, consisting of M. Winandy and his daughter Virginia and two sons, Alfred and M. Winandy, Jr., was recently incorporated with a capital stock of \$25,000 for the purpose of manufacturing and placing their new bench and heating system on the market. The new system was invented by Michael Winandy after he had been in the greenhouse construction business for over 30 years, and during the last 10 months he has installed this system in 45 greenhouses with an area of over 200,000 square feet of glass. The heating system is so arranged that the return pipes rest on a concrete post and form the foundation of the benches, and the accompanying illus-

tration will give the reader a little idea of what the system really is. The cost of the system is very reasonable and is recommended most highly by the following growers who are using it and are located in the vicinity of Chicago: J. Schelden, Harry Modaff, Matt Evert, J. B. Karles and Mike Linder.

#### Cook County Florists' Association's Picnic.

The Cook County Florists' Association's picnic, given at Karthausers Grove, last Sunday, July 14, was largely attended and was a grand social and financial success. Allie Zech, chairman of the sports and pastime committee, and his assistants worked

Single Ladies' Race, 16 years, 75 yards.—Rose Ambler, first, parasol; M. Jacobs, second, box of stationery.

Married Ladies' Race, 50 yards.—Mrs. P. Olsen, first, umbrella; Mrs. G. Plank, second, box of handkerchiefs.

Pat Men's Race, 200 pounds or over, 75 yards.—Frank Potocka, first, box of cigars; Michael Mayer, second, cuff buttons.

150-yard Dash, open to all.—L. Koropp, first, umbrella; W. Pagels, second, pipe.

Sack Race, 50 yards.—L. Koropp, first, box of ties; W. Pagels, second, knife.

Pie-eating Contest.—L. Koropp, first, hat; J. Jacobs, second, knife.



M. WINANDY CO'S NEW BENCH AND HEATING SYSTEM.

like beavers to make it an enjoyable affair and were ably assisted by President Kohlbrand, Vice-president Wienhoeber, Secretary Pyfer and Treasurer John Zech. The weather was ideal and the picnic was one big jollification from the time the gates opened at 2 p. m. until nearly midnight when the happy crowd broke up. John Zech and his wheel of fortune was the feature of the afternoon and the pie-eating contest was a scream from the start to finish. C. F. McCormick and Walter Rupp were not in it in this event, but took the cake when it came to entertaining the young ladies. Dancing was also on the program and it was a pleasure to see the happy couples keep step with the inspiring music of Weber's orchestra. Following is a review of the sports and the winners of the different events:

Girls' Race, 6 years and under, 25 yards.—Ruth Keimel, first, doll; Elsie Henderson, second, parasol.

Boys' Race, 6 years and under, 25 yards.—Z. Ottenbacher, first, watch; R. Koropp, second, knife.

Girls' Race, 10 years and under, 40 yards.—Ester Keimel, first, box of handkerchiefs; Elsie Henderson, second, perfume.

Boys' Race, 10 years and under, 50 yards.—Milton Palinsky, first, base ball and bat; Dan Driscoll, second, glove.

Girls' Race, 15 years and under, 60 yards.—Lillian Koropp, first, belt pin; Margaret Koropp, second, perfume.

Boys' Race, 15 years and under, 75 yards.—J. Sipp, first, base ball and bat; R. Wittey, second, glove.

## OBITUARY.

### Mrs. Wm. Saling.

Magdalena R. Saling, wife of William Saling, rose and carnation grower of 75 Harrison street, Rahway, N. J., passed away Thursday, July 11, at her home, after an illness extending over two years. She was past seventy years of age. She is survived by her husband, a daughter, Miss Lena M. Saling, a son, John W. Saling, retail florist of 70 Harrison street, and secretary of the Rahway shade tree commission, and a brother, John L. Rahmsteck, of Scott avenue. Services were held at the home Monday, July 15, at 3 p. m. Interment was at the Rahway cemetery.

### Karl Michler.

Karl Michler, head of the floral firm of Michler & Sons of Lexington, Ky., died July 5 at the Good Samaritan Hospital in that city, where he had been lying ill since January. Mr. Michler was born in Germany but had been a resident of Lexington for many years. He was 69 years old. Surviving are a daughter, Miss Rose Michler, and four sons, George, Louis, William and Charles, all of Lexington.

### George M. Roak.

George Martin Roak, a well known florist of Auburn, Me., died July 7 at his home after an illness of three years. He had been in business since 1874 and had always lived in the same town. He was 64 years old and leaves a wife and eight children. A brother and two sisters also survive.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time. Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST, 440 S. Dearborn St., CHICAGO

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CHICAGO florists found overcoats comfortable last Monday evening and on Tuesday morning at 2 a. m. the thermometer registered 58°.

Personal.

John A. Evans, Richmond, Ind., who met with an accident in London while visiting the International Exhibition, as stated in a telegraphic message reproduced in our issue of June 1, page 1130, advises to the effect that he is progressing favorably in that city and expects to sail for home July 17 or 27.

H. B. Beatty, former treasurer of the Society of American Florists, is again taking an active interest in the business of the Oakwood Rose Gardens at Oil City, Pa. Mrs. Beatty has been in Wisconsin recently visiting friends.

J. J. Hess and family of Omaha, Neb., who were in Paris July 3, state that many cattleyas are displayed in the flower shops and sell at 60 cents each.

Sidney B. Wertheimer of Wertheimer Bros., New York, writes from Paris July 5, stating: "We will be at the convention with a great line."

Smith Monument Proposed.

ED. AMERICAN FLORIST:—

New Orleans, La., July 13.—It was with regret that we read of the sad news of the death of Wm. R. Smith. The Society of American Florists has lost a true friend. Everyone knew Mr. Smith. He was a great man. He was a friend to us all, not only to us, but to all throughout the whole horticultural world. It would be a credit to us indeed if we should erect a monument to his memory, and I shall gladly start the subscription with \$25 so that such a monument may be erected, this monument to be in Washington. He was a great man, an ardent supporter of our society, and it is but just that we perpetuate our regard for him in this fitting manner.

HARRY PAPWORTH.

Pres. Metairie Ridge Nursery Co., Ltd.

Convention Sports.

The prize list for the approaching sporting events to be held in connection with the convention of the Society of American Florists at Chicago next August is now in preparation. Anyone who desires to donate a prize will greatly oblige by sending full particulars as early as possible. It is the desire of those in charge of this department of convention work to make it the biggest and best bowling, shooting and outing occasion ever held in connection with the annual meeting of the national organization. All communications bearing on the convention sports and prizes, therefore should be addressed to C. J. Graham, 12349 Euclid avenue, Cleveland, O.

The donors should send particulars of their prizes early so as to afford those in charge an opportunity of giving them full publicity.

Two Civil Service Examinations.

The United States Civil Service Commission announces two examinations of interest to practical seed and plant growers and nurserymen. One examination is for the securing of a garden and field superintendent in the Bureau of Plant Industry, Department of Agriculture, to have charge of the Miami (Florida) Plant Introduction Garden and Field Station. The position pays \$1,200 a year and the appointee will be provided with quarters at the station. His duties will consist of the testing of foreign seeds and plants to ascertain their suitability for introduction into this country. There will be practical questions in plant propagation and orchard work (counting as forty "weights") and education, training, experience and fitness will count the other sixty "weights." A person is desired who has had practical experience in nursery or orchard work and who is expert in budding, grafting and other forms of propagation. Applicants must have reached their twenty-fifth and not their forty-fifth birthday on the date of examination. Application and examination forms will be furnished by the United States Civil Service Commission, Washington, D. C., or the secretary of the board of examiners at any of the places where it is held. Any citizen of the United States who complies with the requirements may take the examination which takes place Aug. 7, 1912.

The other position to be filled is that of nurseryman at the Western Navajo School, Arizona, and vacancies requiring similar qualifications as they oc-

cur. The position pays \$840 a year and physical ability counts forty "weights" while training, experience and fitness count sixty. A practical knowledge of irrigation is necessary. The department desires an appointee who is unmarried and has no dependents. Applicants must have reached their twentieth but not their fiftieth birthday. The application must be filed in complete form with the Commission at Washington, by Aug. 3, 1912.

Society of American Florists.

President Richard Vincent, Jr., has made the following appointments to the committee on affiliation, of which he will act as chairman: Charles H. Totty, Madison, N. J.; W. N. Rudd, Chicago; August Poehlmann, Chicago; Robert Craig, Philadelphia, Pa.; George Asmus, Chicago; Harry A. Bunyard, New York; Philip F. Breitmeyer, Detroit, Mich.; Benj. Hammond, Fishkill, N. Y.; I. S. Hendrickson, Floral Park, N. Y.; Edward Winterson, Chicago, and H. Brown, Richmond, Va., are members of the committee on sports. The judges for the trade exhibition are Robert L. Graham, Baltimore, Md., Ad. Gude, Washington, D. C., A. L. Vaughan, Chicago, for sections A B and F; W. P. Craig, Philadelphia, Pa., A. L. Miller, Brooklyn, N. Y., E. Allan Peirce, Waltham, Mass., for sections C and D; S. S. Pennock, Philadelphia, Pa., Charles Critchell, Cincinnati, O., Ernest Weinhoeber, Chicago, for sections E and G; Philip Breitmeyer, Detroit, Mich., F. H. Weber, St. Louis, Mo., H. V. Hunkle, Milwaukee, Wis., for section H. The program of the convention is in course of preparation, and will be sent out shortly with the badge for 1912 to all members who have paid dues for the year. It will facilitate the work of the secretary's office in Chicago if all members who have not already done so will remit dues promptly so the badge may be sent by return mail. JOHN YOUNG, Sec'y.

TRADE EXHIBITION.

Applications for space are still coming in freely, and it has become necessary to take some of the space in the Annex which was reserved for the display of automobile trucks and power wagons for exhibitors in some of the other classes. Among the many applications this week are:

- Elverson Pot'y Co., N'w Brighton, Pa.
A. E. Kunderd, Goshen, Ind.
O. F. Zurn Co., Philadelphia, Pa.
Joseph Heacock, Wyncote, Pa.
Quaker City M'ch Wks., Richm'd, Ind.
Advance Co., Richmond, Ind.
Goodrich Rubber Co., Chicago.
Jac. Lederer, Chicago.
Morehead Mfg. Co., Detroit.
G. E. Travis Co., Henry, Ill.
American Florist Co., Chicago.
Florists' Publishing Co., Chicago.
H. G. Dreyer & Son, Cleveland, O.
Lager & Hurrell, Summit, N. J.

JOHN YOUNG, Supt. of Trade Exhibition.

THE J. M. Gasser Co. of Cleveland, O., has a way of reducing its surplus stock and avoiding a glut that helps to make the world happier and should appeal to other florists who find themselves overstocked at this season. Every year when the hot weather strikes town and there are more flowers than can be sold, instead of throwing them away this firm gives them to people who most need the message of cheer they bring. Last year the patients at the Cleveland hospitals were recipients of these surplus flowers, and this year the Gasser Co. sent white roses directly into the homes of the poor. The joy of many a poor child who never possessed a rose before was unbounded when the flowers were distributed by visiting nurses. Doesn't this seem to be a pretty good way to get rid of surplus stock?

**Coming Exhibitions.**

Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Asbury Park, N. J., October 29-31, 1912.—Chrysanthemum show, Elberon Horticultural Society, Bou Wyckoff, secretary, 1104 Fourth avenue, Asbury Park.

Baltimore, Md., November 18-23, 1912.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory, T. B. Symons, secretary, College Park, Md.

Boston, Mass., November 7-10, 1912.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall, Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

Mt. Kisco, N. Y., October 31-November 2, 1912.—Annual exhibition, Northern Westchester County Horticultural and Agricultural Society, St. Francis hall, Thos. Ronger, chairman exhibition committee, Mt. Kisco.

Chicago, August 20-23, 1912.—Annual meeting and exhibition, Society of American Florists, Coliseum, John Young, secretary, 54 West Twenty-eighth street, New York.

Chicago, August 20-23, 1912.—Annual exhibition, American Gladiolus Society, Coliseum, L. Merton Gage, secretary, Grotto, Mass.

Glen Cove, L. I., N. Y., October 29-30, 1912.—Chrysanthemum exhibition, Nassau County Horticultural Society, James MacDonald, corresponding secretary.

New York, September 24-26, 1912.—Exhibition of flowers, plants, fruits and vegetables, American Institute of New York, Berkeley Lyceum building, 19-21 West Forty-fourth street, W. A. Eagleson, secretary, American Institute, New York.

New York, November 6-8, 1912.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street, W. A. Eagleson, secretary, 19 West Forty-fourth street, New York.

Rochester, N. Y., September 4-6, 1912.—Annual exhibition, Vegetable Growers' Association of America, S. W. Severance, 508 Walker building, Louisville, Ky.

St. Paul, Minn., November 8-12, 1912.—Flower show, Minnesota State Florists' Association, Auditorium, S. D. Dyingler, secretary, 20 West Fifth street, St. Paul.

Tarrytown, N. Y., November 6-8, 1912.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall, E. W. Nebraud, secretary, Tarrytown.

Worcester, Mass., November 7, 1912.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, L. C. Midgley, secretary, 15 Front street, Worcester.

**Wants, For Sale, Etc**

**One Cent Per Word, Cash with Adv.**

**For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—At once, married man, age 27, on a retail place; good designer and grower; sober and reliable. Ill. or Ind. Address Key 670, care American Florist.

**Situation Wanted**—By grower of Roses and Carnations; competent to take charge and produce first class stock. References. Please state wages. Address FLORIST, Harvey, La.

**Situation Wanted**—By all around grower; strictly sober and steady; life experience; can do grafting; satisfaction guaranteed; near Chicago preferred; middle aged and married; state wages first letter. Address ARTHUR B. ODELL, Fordland, Mo.

**Help Wanted**—Greenhouse man, experienced, single; for private place; references required. Address 1918 East 40th St., Cleveland, Ohio.

**Help Wanted**—An experienced gardener on gentleman's country place; married man preferred. Address, A. H. VON SCHRADER, Laurel, Md.

**Help Wanted**—A good carnation grower with money to invest in an established florist business, must be hustler and capable of looking after men. Address Key 647, care American Florist.

**Help Wanted**—In British Columbia, an all-round grower of carnations, 'mums and a general line of pot and bedding plants; a steady position to the right man; to be sober and industrious and understand the business. Address Key 649, care American Florist.

**Help Wanted**—At once a competent florist for 15,000 feet of glass. Must be sober and thoroughly understand growing of carnations, 'mums and general line of cut flowers and potted plants. Steady place for right party. State age, experience and wages wanted in first letter. Address RATON GREENHOUSES, Raton, New Mexico.

**Help Wanted**—Scandinavian florist in a Minnesota town; one who can turn out good roses, carnations and pot plants; send references, age and wages expected in first letter. Address Key 674, care American Florist.

**For Sale**—600 feet 2 in., 80 feet 3 in. pipe; good condition. Price \$35.00. MARTIN BENSON, Dongola, Ill.

**For Sale**—New ice box; will keep flowers in excellent condition. CANGER & GORMLEY, 187 North State St., Chicago.

**For Sale**—One 40 H. P. horizontal return tubular boiler, in good condition and cheap. Also 25 boxes 6x18 D.S.A. hand made glass. W. H. BARRETT, Adrian, Mich.

**For Sale**—Three thousand 2-inch heavy wrought iron pipe, fine condition, couplings, valves, etc. Your own price. ALDOUS & SON, Iowa City, Ia.

**For Sale**—Cheap, second hand greenhouse material of all kinds; also 2 steam boilers, 2 iron pumps, 1 Morehead steam trap, wire rose stakes, etc. A. M. SCHAFER, 2129 Balmorel Ave., Chicago.

**For Sale**—Within the next 30 days three thousand dollars will buy seven thousand feet of glass; ten-room dwelling. Part cash; if you mean business, write Key 671, care American Florist.

**For Sale**—"Improved Capito' Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80 3/4 in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

**For Sale**—6000 ft. glass; 12 acres land; 7 room dwelling; all inside city limits of 6000 inhabitants; only greenhouse; no competition; good business at a bargain. Address MRS. ANNA J. PHARE, Willmar, Minn.

**For Sale**—Well established greenhouse business; 6000 ft. of glass; good location in St. Paul; easy terms; reason for selling, ill health. Can take possession at once. Address Key 673, care American Florist.

**For Sale**—A good retail florist business; 25,000 sq. ft. glass; 7-room modern residence; 30 acres of good ground; all in city limits; good town; this place will stand close investigation; books to show; \$3,000 cash required, balance on time; \$12,500 for place; can make price of place in several years; to any one wanting a good business will be pleased to give full particulars by return mail. Address Key 641, care American Florist.

**For Sale**—By widow, established florist business in Lake View, with ground and buildings consisting of: 2-story, 2-flat frame building, 4 rooms and bath each; office adjoining, 12x18 ft., under glass, concrete cellar, 3 greenhouses, 24x70, 20x70 and 20x60, with boiler, concrete posts and benches. Ground 120x125 ft. on corner. Fixtures, stock and soil on hand. For location, terms and other particulars, apply to BURNS & TAUB, 69 W. Washington St., Chicago. Tel. Randolph 5446

**Wanted**—A florist in an eastern city, owing to other business, wishes to incorporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

**Wanted to Rent**—Greenhouse, with stock, near Chicago, for term of years, with privilege of buying; prefer one with some land in good town or city. Address "FLORIST," P. O. Box 164, Allen, Mich.

**Wanted**—A florist who wants to go in business for himself. To the right man, with \$1000 down payment, I will sell 4 1/2 acres of choice land, with good 12-room frame house, good barn, with gasoline engine and pump in basement and water tank in loft, also pipes connecting tank with gardens. 3,500 feet are under glass and balance in flower gardens and garden truck. Fine ginseng patch will yield \$500 annually. Located on main street in a city of 10,000 in Western New York. Street cars pass door. Great snap for a young man and a chance to build a large rose business in a rapidly growing city. C. L. VAN VALKENBURG, 723 Monadnock Block, Chicago.

**Situation Wanted.**

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address Key 615, care American Florist.

**Seedsman Wanted**

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party. Key 628, care American Florist.

**Wanted At Once. NURSERY MANAGER**

For Mail Order Business, one who is familiar with conditions in the Northwest. Married man preferred. Good dwelling house on place. Splendid opportunity for the right man with some capital. Address Key 657, care American Florist.

**FOR SALE.**

Florist business, seed department, tools, etc.; two greenhouses, hot water, fully stocked; four lots, 50x150; planted with shrubs, roses, perennials, etc.; only two and one-half years old; all in first-class condition; the nucleus of a fine business; lack of capital the reason. Address

F. T. MANAHAN, Receiver, No. 8 So. Lincoln St., SPOKANE, WASH.

**For Sale--At Once**

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE, 1607 Second Avenue, Rock Island, Ill.

**FOR SALE OR RENT.**

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

**First-Class Storeman.**

A No. 1 Designer and Decorator, used to waiting on first-class trade, who will stand strictest investigation as to character, sobriety and ability, is open for engagement now or Sept. 1. A man who is capable of taking full charge and is not afraid of hard work and can be relied on at any time

Key 656, care American Florist.

**FOR SALE**

2 Steel water boilers, 14 ft. long by 4 ft. wide; new 4 in. flues, used 4 years, complete and in good condition, price \$200.00 each on board cars. 150 ventilators, 4 ft. 10 in. by 3 ft. 6 in., red cedar with glass and headers, \$1.00 each. 10 panel doors with frame red cedar, \$1.75 each. 10 Evan's ventilator machines complete with post, \$8.00 each; Arms, 20 cts.; Hangers, 10 cts.; ventilator chains, 8 cts. per ft. 400 ft. red cedar gutters, 10 cts. per ft. 400 ft. red cedar bars, 5 cts. each. 12,000 No. 9 wire stakes, 4, 5 and 6 ft. long, \$5.00, \$7.00 and \$9.00 per 1000. The above is salvage wrecked by cyclone. Everything complete and in good condition, nothing over four years old. Photo of boilers upon application.

GEORGE REINBERG, 162 N. Wabash Ave., CHICAGO

**NOTICE**

—OF—

**STOCKHOLDERS MEETING**

CHICAGO, July 18, 1912.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Auditorium Hotel, Michigan avenue and Congress street, Chicago, Wednesday, August 21, 1912, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres. M. BARKER, Sec'y.

# Summer Roses Our Specialty

**American Beauty - Kaiserin - Maryland  
Rhea Reid - Aaron Ward - Mrs. Taft**

The above are the best roses at this time of year and we cut them especially tight for hot weather shipments. Buy direct of the grower. We grow all the stock we sell and guarantee it strictly fresh.

## Price List

| AMERICAN BEAUTIES                                                                                    |                  | Per doz. | CARNATIONS                               |         | Per 100 |
|------------------------------------------------------------------------------------------------------|------------------|----------|------------------------------------------|---------|---------|
| Extra long .....                                                                                     |                  | \$2.50   | Extra long, O. P. BASSETT.....           | \$1.50  | \$ 2.00 |
| 36-inch .....                                                                                        |                  | 2.00     | Extra long, white.....                   | 1.50 to | 2.00    |
| 24-inch .....                                                                                        |                  | 1.50     | Fancy pink .....                         | 1.50 to | 2.00    |
| 18-inch .....                                                                                        |                  | 1.00     | FINE EASTER LILIES                       |         |         |
| 12-inch .....                                                                                        |                  | .75      | Per dozen .....                          |         | 1.00    |
| Short .....                                                                                          | per 100, \$4.00  |          | Per 100 .....                            |         | 6.00    |
| KAISERIN, MY MARYLAND, RHEA REID,<br>AARON WARD, MRS. TAFT, KILLARNEY,<br>WHITE KILLARNEY AND PERLES |                  |          | LILY OF THE VALLEY.....                  |         |         |
| Per 100                                                                                              |                  |          | 3.00 to 4.00                             |         |         |
| Extra long select.....                                                                               | \$6.00 to \$8.00 |          | SWEET PEAS .....                         | .50 to  | 1.00    |
| Medium length .....                                                                                  | 4.00             |          | ASPARAGUS SPRAYS .....                   | 3.00 to | 4.00    |
| Short .....                                                                                          | 2.00 to 3.00     |          | SPRENGERI .....                          | 2.00 to | 3.00    |
|                                                                                                      |                  |          | ADIANTUM .....                           | 1.00 to | 1.50    |
|                                                                                                      |                  |          | GALAX—Bronze and Green per 1,000, \$1.00 |         |         |
|                                                                                                      |                  |          | NEW FERNS .....                          |         |         |
|                                                                                                      |                  |          | per 1,000, \$2.00                        |         |         |

Subject to change without notice.

All Seasonable Flowers at market prices.

## BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.  
Phone, Central 1457

CHICAGO

Greenhouses, HINSDALE, ILL.

### Chicago.

#### NOTHING DOING.

Nothing doing is right and nearly all the wholesalers will agree that the past week has been the quietest one of the year and many are taking advantage of the dull times by repainting their stores and enjoying their vacations. The weather was very cool the first part of the present week, but the local trade is still very quiet and there has been considerable falling off in the shipping business. The peony season is nearly over and another week will see the end of the cold storage stock. Carnations are still in great oversupply and are selling at 1 and 2 cents, sometimes by the bunch and sometimes by the bunch. Lily of the valley is of very poor quality, gladioli are arriving in good condition and asters are now more plentiful. Orchids are not plentiful but are equal to the demand and lilies of fine quality are in great oversupply. Roses are of good quality, especially Killarney, White Killarney, Kaiserin Augusta Victoria, My Maryland and Rhea Reid. The new roses, Mrs. Aaron Ward, Radiance and Prince De Bulgarie are good summer roses and are selling well. Cut blooms of hydrangeas and phlox are obtainable and there is still a large surplus of gaillardia schillea, feverfew, daisies, gypsophilla, candytuft, larkspur and marigolds. The cut of roses from the young plants is much larger and good choice blooms of American Beauty, Killarney and White Killarney are very plentiful. Ferns are very good this year and the same can be said of galax. There is plenty of asparagus strings and smilax and the only item that is scarce is "demand." The coming S. A. F. convention is the principal talk on the market and everyone is anxiously looking forward to this big event.

### NOTES.

C. L. Washburn's residence in Hinsdale was robbed one night this week when a porch climber raised the window screen and entered the house some time between the hours of midnight and morning. The burglar took a gold watch and chain valued at \$100 and \$65 in cash from Mr. Washburn's pocket and stole Mrs. Washburn's diamond engagement ring, gold beaded necklace and purse containing a considerable sum of money. The loss amounts to about \$500, but Mr. Washburn is protected by burglary insurance and it is expected that the loss will be paid in full by the company. The well known wholesaler says that this particular individual was such a high grade robber that he would like to present him with a box of cigars from the splendid manner in which he got away with the goods. The only thing the unwelcome visitor did not take was Mr. Washburn's trousers, for which he is very thankful.

Poehlmann Bros. Co. is cutting a fine grade of roses and Otto W. Frese says that the shipping trade is holding up very good this summer. The plant department at Morton Grove is well under way and this firm expects to have a large supply of decorative stock for sale next fall.

Chas. A. Simonson and wife, of McPherson, Kans., are in the city on a combined business and pleasure trip. John Poehlmann gave them an automobile ride through the city on July 15 and the visitors were most favorably impressed with the many beauties of the Windy City.

John Zech attended the picnic of the United Societies of the St. Gregory's parish on July 17, and as usual was right on the job at his old stand with the wheel of fortune. Mr. Zech is a great church member and is al-

ways ready to devote a little of his time to help a good cause along.

Art. Christianson, with Paul Blome & Co., will leave next week for the farm to take a much needed rest. Some of Art's friends are inclined to think that it is rather queer that Princess Charming and Herald should both take their leave of absence at the same time. Oh, you Joliet!

The Raedlein Basket Co. has just received a large shipment of baskets from its large factories in Germany and Curtis Kindler is now busy selecting an assortment for his firm's display at the coming S. A. F. convention.

The Chicago Florists' Club's baseball team will practice again next Sunday, July 21, and all members are earnestly requested to be present. The players will meet at the E. F. Winterson Co.'s store at 1:30 p. m. sharp.

Fred Lautenschlager has returned from a week-end trip and during the three days that he was away he sold enough Kroeschell boilers to heat 142,000 feet of glass.

The next regular meeting of the Cook County Florists' Association will be held at the Tavern, 174 West Washington street, Thursday, July 15.

Wm. Lubliner, formerly with Lubliner & Trinz, but now of Toledo, O., is renewing old acquaintances here this week.

John Kruchten and wife and George Gobel will leave on July 20 for a fishing trip at Big Sand Lake, Wis.

Wilder Deamud, L. Hoekner and Art. Blome spent July 11 at St. Joseph, Mich.

Wieter Bros., Zech & Mann and Hoerber Bros. are giving their stores a new coat of paint.

Wm. J. Smyth and family are spending the summer at Antioch.



# Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone  
Randolph 35

CHICAGO, ILL.

## FULL SUMMER CROP OF ROSES,

## CARNATIONS, VALLEY and EASTER LILIES.

**ASTERS** now arriving  
PINK and WHITE

**AMERICAN BEAUTIES**  
YOUNG STOCK

## Cattleyas, Smilax and New Ferns.

We are enjoying a good demand for Roses because our stock is clean and free from mildew and we cut our Roses tight and in bud so they are in the best shipping condition. If you can get good clean Roses during the Summer there is sale for them and you can get them from us. **TRY IT.**

### CURRENT PRICE LIST

Subject To Change  
Without Notice.

|                                                              |                        |                                                     |                |
|--------------------------------------------------------------|------------------------|-----------------------------------------------------|----------------|
| <b>AMERICAN BEAUTIES.</b>                                    | Per Doz.               | <b>WHITE KILLARNEY, Specials</b> .....              | \$ 8.00        |
| Specials .....                                               | \$3.00                 | Fancy .....                                         | 6.00           |
| 36-inch .....                                                | 2.50                   | Medium .....                                        | 4.00           |
| Medium .....                                                 | 2.00                   | Good Short .....                                    | 2.00           |
| 18 to 20 in. ....                                            | 1.50                   | <b>ASTERS</b> .....                                 | \$2.00 to 4.00 |
| Short stem .....                                             | per 100 \$4.00 to 6.00 | <b>CARNATIONS, extra fancy</b> .....                | 2.00           |
| <b>PRINCE DE BULGARIE, Antoinette Rivoltre or Mrs. Taft.</b> | Per 100                | “ common .....                                      | 1.00           |
| Fancy .....                                                  | \$ 8.00                | <b>ORCHIDS, Cattleyas, per doz.</b> .....           | 6.00 and up    |
| Medium .....                                                 | 6.00                   | <b>EASTER LILIES</b> .....                          | 8.00           |
| Short .....                                                  | 4.00                   | <b>STOCKS, fancy, per doz.</b> .....                | \$0.50 to 1.00 |
| <b>MELODY, fancy long</b> .....                              | \$ 8.00                | Marguerites .....                                   | 1.00 to 1.50   |
| Medium .....                                                 | 6.00                   | Feverfew, per bunch.....                            | .35 to .50     |
| Short .....                                                  | 4.00                   | <b>VALLEY</b> .....                                 | 3.00 to 4.00   |
| <b>MRS. AARON WARD.</b>                                      |                        | <b>DAISIES, field</b> .....                         | .75            |
| Fancy Long .....                                             | \$ 8.00                | <b>SWEET PEAS</b> .....                             | \$0.50 to .75  |
| Medium .....                                                 | 6.00                   | <b>ADIANTUM CROWEANUM</b> .....                     | 1.00           |
| Short .....                                                  | 4.00                   | <b>SMILAX, per doz.</b> .....                       | 2.00           |
| <b>RICHMOND, Specials</b> .....                              | \$ 8.00                | <b>SPRENGERI, PLUMOSUS SPRAYS</b> .....             | \$3.00 to 4.00 |
| Fancy .....                                                  | 6.00                   | <b>PLUMOSUS STRINGS, extra long and heavy</b> ..... | each .60       |
| Medium .....                                                 | 4.00                   | <b>PLUMOSUS, strong, long, medium</b> .....         | each .45       |
| Good Short .....                                             | 2.00                   | <b>FERNS</b> .....                                  | per 1,000 1.50 |
| <b>KILLARNEY, Specials</b> .....                             | \$ 8.00                | <b>GALAX</b> .....                                  | per 1,000 1.25 |
| Fancy .....                                                  | 6.00                   | <b>LEUCOTHOE</b> .....                              | per 100 .75    |
| Medium .....                                                 | 4.00                   |                                                     |                |
| Good Short .....                                             | 2.00                   |                                                     |                |

# WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

**SPECIAL SALE ON CARNATIONS. Best Quality Blooms, \$15.00 per 1000.**

Also Special Offer on Roses. Long, \$5.00 per 100; Medium, 2.50 per 100.

**CURRENT PRICE LIST.**—Subject to change without notice.

**Special Long Beauties, \$15.00 per 100**

**American Beauties.**

|                    |           |                    |           |
|--------------------|-----------|--------------------|-----------|
|                    | Per Dozen |                    | Per Dozen |
| 60-inch stems..... | \$3.00    | 24-inch stems..... | \$1.25    |
| 48-inch stems..... | 2 50      | 20-inch stems..... | 1.00      |
| 36-inch stems..... | 2 00      | 15-inch stems..... | .75       |
| 30-inch stems..... | 1.50      | Short Stems.....   | .50       |

**Killarney.**

|                    |         |
|--------------------|---------|
|                    | Per 100 |
| Extra special..... | \$7.00  |
| Selects.....       | 6 00    |
| Fancy.....         | 5.00    |
| Medium.....        | 4.00    |
| Good.....          | 3.00    |
| Short stems.....   | 2.00    |

**Richmond**

|                     |         |
|---------------------|---------|
|                     | Per 100 |
| Extra specials..... | \$7.00  |
| Selects.....        | 6.00    |
| Fancy.....          | 5.00    |
| Medium.....         | 4.00    |
| Good.....           | 3.00    |
| Short stems.....    | 2.00    |

**Jardine, Fancy, 24-inch stems..... \$8.00**

|               |      |
|---------------|------|
| Good, 15..... | 6.00 |
| Short.....    | 4.00 |

**White Killarney**

|                     |         |
|---------------------|---------|
|                     | Per 100 |
| Extra specials..... | 7.00    |
| Selects.....        | 6.00    |
| Fancy.....          | 5.00    |
| Medium.....         | 4.00    |
| Good.....           | 3.00    |
| Short stems.....    | 2.00    |

**My Maryland**

|            |        |
|------------|--------|
| Fancy..... | \$7.00 |
| Good.....  | 6.00   |
| Short..... | 4 00   |

**Roses, our selection - - - \$3.00**

**Carnations,**

|                    |        |
|--------------------|--------|
| Extra Special..... | \$1.50 |
| Fancy.....         | 1.25   |
| Good.....          | 1.00   |

**HARRISII.....8.00 to 10.00**

**NEW FERNS, per 1000, \$1.50.**

**SMILAX, per doz., \$2.00.**

**ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.**

**SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.**

Chas. W. McKellar and wife and two nieces returned on July 13 from a most enjoyable automobile tour in beautiful Wisconsin. The party left this city at noon on July 10 and had lunch at 8:30 p. m. in Madison, Wis., and reached Baraboo at 6:30 a. m. in time for breakfast. Considerable time was spent at the picturesque Dells and Mr. McKellar says that Mirror Lake near Kilbourne is one of the most beautiful places he has ever seen.

Joe Einweck of the Bassett & Washburn force is enjoying a two weeks' outing with Gus. Conger in Michigan. E. Anderson, the old reliable standby, will leave as soon as Joe returns and Art. Pasternick says he is going to spend his vacation in the dentist's chair.

The board of directors of the Chicago Flower Growers' Association held a meeting on July 17 and much important business was transacted. This firm is receiving a full line of all seasonable stock and is featuring a fine grade of Killarney roses.

Chairman Chas. J. Graham of the Society of American Florists sports committee was a visitor this week, closing arrangements with Chairman E. F. Winterson of the local committee for the convention sports next month.

Wietor Bros. are also cutting a good supply of American Beauty roses and some fine stock can now be seen at their store. Killarney roses are arriving at this house in fine shape and with exceptionally good color.

John Michelsen, manager of the E. C. Amling Co., and family are spending their vacation at McHenry. Al. Lehman is back from a visit on a nearby farm and Bert C-le is now on the list of absentees.

Mrs. Paul M. Palez and children of Little Rock, Ark., arrived in the city

on July 18 and left the same evening for Ravinia Park to spend the summer.

D. D. Johnson, general manager of the United Fertilizer Co., will leave this week for the east and expects to return in time to attend the coming S. A. F. convention.

E. Powell and family and Miss Dora Brown, of the Colonial Flower Shop, Goshen, Ind., en route to Vancouver, E. C., stopped off here for a few hours on July 19.

Dwight L. Harris says that everything is lovely down his way and that the Pulverized Manure Co. is selling more Wizard Brand manures than ever.

Aug. Jurgens has returned from a pleasant trip to his farm at Richland, Miss., and is now treating his friends to southern grown peaches.

Philip L. McKee and Walter Rupp, of the John C. Moninger Co., are working on their firm's ventilator and boiler catalogue.

Theo. Miller is back from his vacation at Indianapolis, Ind., and is again attending to his duties at the Fleischmann Floral Co.'s store.

A. L. Vaughan writes from Fremont, Mich., that the fish are biting fine and that he expects to land a 20 pound "musky" this week.

H. Van Gelder of Percy Jones' says that the supply business is good and is now having some special sales in this department.

A. C. Shafer, bookkeeper at Winterson's Seed Store, and family, will leave soon on an auto tour through the southern part of the state.

E. H. Hunt will not discontinue the cut flower business as was rumored on the market this week.

Vaughan's Seed Store is taking in this week a liberal supply of new crop pansy seed from Europe.

# PERCY

**Not the Oldest**

**Nor the Largest**

**Just the Best**

**56 E. Randolph St., CHICAGO**

# JONES

*Mention the American Florist when writing*

Allie Zech and wife will leave for a visit to the northern summer resorts this week.

Larry Martin is the latest addition to the shipping force at Bassett & Washburn's store.

Miss Nettie Parker, the Chicago Carnation Co.'s efficient stenographer, is enjoying her vacation.

M. Rocklin, with Rocklin & Lehman, of Sioux City, Ia., is spending his vacation in this city.

A. Miller, with A. Henderson & Co., is visiting friends at Lansing, Mich.

Phil. Schupp is back from an enjoyable outing at Lake Geneva.

# New Crop of Beauties AND OTHER ROSES

Good Choice Young Stock for Shipping Orders

Send Your Orders Direct to the Grower and They Will be Taken Care of

## CURRENT PRICE LIST.

| AMERICAN BEAUTIES     |                       | Per doz.                    |                           |                              |
|-----------------------|-----------------------|-----------------------------|---------------------------|------------------------------|
| Extra long stems..... |                       | \$3 00                      | Mrs Aaron Ward            | { Select ..... \$8 00        |
| 36 inch stems.....    |                       | 2 50                        |                           | { Medium ..... 6 00          |
| 30 inch stems.....    |                       | 2 00                        |                           | { Short ..... \$4 00 to 5 00 |
| 24 inch stems.....    |                       | 1 50                        | Sunrise.....              | { Select ..... \$6 00        |
| 20 inch stems.....    |                       | 1 25                        |                           | { Medium ..... 5 00          |
| 15 inch stems.....    |                       | 1 00                        |                           | { Short ..... 4 00           |
| 12 inch stems.....    |                       | 75                          | Roses, our selection..... | 3 00                         |
| Short Beauties.....   |                       | 50                          | Carnations.....           | 1 50 to 2 00                 |
| Richmond.....         | } Select ..... \$8 00 |                             | Harrisii.....             | per doz. 1 50                |
| Killarney.....        |                       | Medium ..... \$5 00 to 6 00 | Valley.....               | 3 00 to 4 00                 |
| White Killarney.....  |                       | Short ..... 4 00            | Sweet peas.....           | 75 to 1 25                   |
| My Maryland.....      |                       |                             | Peonies.....              | per doz. 50 to 75            |
|                       |                       |                             | Adiantum.....             | 1 00                         |
|                       |                       |                             | Asparagus, per bunch..... | 50                           |
|                       |                       |                             | Ferns, per 1,000.....     | 2 00                         |

# Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph St., CHICAGO.

## Finest Roses in Chicago

In all the leading varieties—Richmond, Killarney, White Killarney, My Maryland, Brides and Maids. There is no sign of mildew and both flower and foliage are clear and bright. We have them in all lengths suitable for design work or for presentation bouquets. You will make no mistake in sending us your orders for large or small quantities. Also carnations in all the leading varieties and, in short, everything needed for high class work at this season. **ORDER NOW.**

# ZECH & MANN

162 N. Wabash Ave.

L. D. Phone, Central 3284

CHICAGO

A group photograph of the Cook County Florists' Association's picnic, held at Karthausers Grove last Sunday, July 14, can be obtained from Edw. C. Thompson, 6448 Stony Island avenue, upon receipt of 50 cents and 10 cents extra to cover mailing.

P. J. Foley, president of the Chicago Florists' Club, has appointed Fred. Krauss and John Huebner as members of the sports and pastime committee to assist E. R. Farley, the chairman.

Tim Matchen says that the shipping trade at Peter Reinberg's store is as good as can be expected and that his firm is now cutting a fine lot of young stock, especially American Beauty, Killarney and White Killarney roses.

Canger & Gormley have sold their store at 187 North State street to a South Water street commission dealer, who will use it for a first-class fruit store.

Mrs. L. H. Winterson was discharg-

ed from the Columbus Hospital on July 14 and is now able to be about the house.

A. P. Peterson of Wheaton says that trade is pretty good and that his summer business is very satisfactory.

Louis Wittbold, general manager of the Geo. Wittbold Co., is enjoying a well-earned rest.

E. B. Washburn is still seriously ill but at this writing is improving and is a trifle better.

# Some of Our Specialties

ASTERS, Shell pink, \$1.00, \$1.50, \$2.00 and \$3.00 per 100.

|                                                |                  |             |              |
|------------------------------------------------|------------------|-------------|--------------|
|                                                | Per 100          |             | Per 100      |
| Augusta Gladiolus, fancy                       | \$4.00 to \$5.00 | Sweet Peas, | .40 to .75   |
| Valley, - - -                                  | 3.00 to 4.00     | Roses,      | 3.00 to 8.00 |
| Fancy Ferns, best in Chicago, \$1.25 per 1000. |                  |             |              |
| Mexican Ivy, 75c per 100; \$6.00 per 1000.     |                  |             |              |

We want a few new live buyers.

You can not miss it buying of us.

## A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.

PHONES } Central 2571  
Automatic 48-734

CHICAGO

J. P. Sinner, who is confined to the Alexian Bros.' hospital with blood poisoning, is feeling much better and is now out of danger.

Visitor: E. P. Holm, St. Paul, Minn.

### St. Louis.

#### TRADE AT STANDSTILL.

The very warm weather continues and trade is at a complete standstill, funeral work being the only outlet for the disposal of flowers. Carnations are arriving in a sleepy condition and roses are small and poor keepers. Quite a number of good Harrisii lilies are in, also Lillium Auratum. Sweet peas are getting shorter stems and are smaller. The retailers are busy cleaning and painting their stores. Their helpers are in many instances taking their vacations. Convention matters are being talked over and it will be shortly known how many the delegation from St. Louis will number. A severe rainstorm at 3 a. m. Sunday morning prevented many of the county growers from getting in with their flowers.

#### CLUB MEETING.

The St. Louis Florists' Club, thirty-five strong, met last Thursday afternoon. Robert J. Windler, president, was in the chair and all the other officers were also present. Dr. Wever led the discussion on over and sub-irrigation and Henry Hunends, of Belleville, Ill., on growing early and late chrysanthemums. The feature of the meeting was the nomination of officers, which was as follows: F. H. Weber, Jules Bourdet, for president; C. Young, G. Grossart, vice-president; W. C. Young, J. J. Beneke, secretary; W. C. Smith, C. Bergersmann, treasurer; Frank Fillmore, Wm. Ossig, John Connon, Frank Vennemann, trustees. The following gentlemen applied for membership: F. W. Pape, L. Baumann, Frank Windler, C. Fullgraf, Gus Egging, J. J. Windler, Max Herzog, Al. Gumz.

The Chicago & Eastern Illinois Railroad has been chosen as the official route to the S. A. F. convention at Chicago. It is hoped that all intending going will go this route and enjoy a pleasant ride. Some of our local florists can avail themselves of this opportunity. All desiring information can get it through F. H. Weber, vice president for Missouri, Boyle avenue and Lindell street, St. Louis,

Mo. The train will leave on the evening of August 19 at 9 o'clock.

Mr. and Mrs. Geo. H. Angermueller leave this week for Denver, Colo. They will go in their touring car. Mrs. Angermueller will go by way of Kansas City to visit her father. They expect to be at the florists' convention.

Edwin G. Westmann, formerly with F. H. Weber, has started up for himself in South St. Louis. We wish him success. He has a good knowledge of all the branches of the florist's business.

Arthur Waldman has built up a very nice trade at his store on Delmar Boulevard near Hamilton. He has a large trade in plants and house decoration.

W. J. Pilcher is shipping gladioli to Chicago. He consigned a large quantity in St. Louis to the Wm. C. Smith Wholesale Floral Co.

Alex. Siegel and wife have gone to Mackinac Island for the summer. Their store will be kept open during their absence.

Max Herzog is doing well at his store on California avenue. He has an automobile delivery.

Several trees were blown down in the parks early Sunday morning during the storm.

The Wm. C. Smith Wholesale Floral Co. is painting and renovating the store.

Quite a number of the growers at Kirkwood have lost their violets.

Al. Gumz, with Geo. H. Angermueller, has left on his vacation.

At H. G. Berning's all the employes are taking vacations in turns.

W. F.

### Chicago Florists' Club.

An adjourned meeting of the Florists' Club was held at the Union Restaurant July 11, President Foley in the chair. There was a very large attendance, much interest being taken in the arrangements for the coming convention. New members were elected as follows: James Fisher, 31 West Randolph street; Paul Dieball, Hubbard Woods; Tony Einveck, 131 North Wabash avenue; A. L. Randall, 68 East Randolph street; S. G. Anderson, Morton Grove; G. Raedlein, 713 Milwaukee avenue; J. W. Page, Morton Grove. Chairman Rudd of the committee on by-laws revision presented the new code, which was ordered printed and submitted to the members.

## BEST TRAINS BETWEEN

# ST. LOUIS

AND

# CHICAGO

VIA

## C. & E. I.

Chicago and Eastern Illinois R. R.

The Official Route to the  
Convention of American  
Florists at Chicago.

A Few of the C. & E. I.'s Unequaled  
Advantages:

LaSalle Street Station in the heart of  
Chicago.

Lounge-Grill Car Service.

Free Combination Club and Chair Car  
Service De Luxe.

Official Mail Route.

Restful Sleep.

Fewer Stops.

Locomotives Unequaled for Power and  
Speed.

Less Noise.

Observation-Buffer-Library Cars.

**W. H. RICHARDSON**  
GENERAL PASSENGER AGENT  
Chicago, Ill.

### Chicago Bowling.

The S. A. F. bowling scores for July  
9 are as follows:

|                         |                         |
|-------------------------|-------------------------|
| Huebner ..164 136 172   | Ayers ....179 181 231   |
| Farley ....167 186 200  | Asmus ....171 153 198   |
| Foerster ...181 198 196 | Bullitt ....189 145 203 |
| Krauss ..139 150 152    | Wolf .....153 170 215   |
| Schlossman 123 123 182  |                         |

ERIE, PA.—A. E. Pettit is erecting  
a new greenhouse.

# The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449  
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.  
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.  
G. C. WEILAND, Sec'y.

## ASTERS

## LILIES

## SWEET PEAS

### EXTRA FANCY STOCK

Also a Choice Grade of  
Valley, Roses and all other  
seasonable Cut Flowers.

### CURRENT PRICE LIST:

| Grade                               | A       | B       | C       | D       | E       | F      | G     |
|-------------------------------------|---------|---------|---------|---------|---------|--------|-------|
| Beanties.....per dozen              | \$ 4.00 | \$ 3.00 | \$ 2.00 | \$ 1.50 | \$ 1.00 | .....  | ..... |
| Killarneys.....per 100              | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | \$2.00 | ..... |
| White Killarneys....."              | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   | ..... |
| Richmonds....."                     | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   | ..... |
| My Maryland....."                   | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   | ..... |
| Perle....."                         | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   | ..... |
| Maid's....."                        | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   | ..... |
| Brides....."                        | 8.00    | 6.00    | 5.00    | 4.00    | 3.00    | 2.00   | ..... |
| Asters....."                        | 3.00    | 2.00    | 1.00    | .....   | .....   | .....  | ..... |
| Carnations....."                    | 3.00    | 2.00    | 1.50    | 1.00    | .....   | .....  | ..... |
| Easter Lilies....."                 | 10.00   | 8.00    | 6.00    | .....   | .....   | .....  | ..... |
| Orchids, Cattleyas....."            | 50.00   | 40.00   | .....   | .....   | .....   | .....  | ..... |
| Lily of the Valley....."            | 4.00    | 3.00    | .....   | .....   | .....   | .....  | ..... |
| Sweet Peas....."                    | 1.50    | 1.00    | .75     | .50     | .....   | .....  | ..... |
| Peonies....."                       | 5.00    | 4.00    | 3.00    | .....   | .....   | .....  | ..... |
| Daisies....."                       | 1.00    | .....   | .75     | .....   | .....   | .....  | ..... |
| Asparagus Plumosus Sprays....."     | 4.00    | 3.00    | .....   | .....   | .....   | .....  | ..... |
| Asparagus Sprenger's Sprays....."   | 4.00    | 3.00    | 2.00    | .....   | .....   | .....  | ..... |
| Smilax....."                        | 20.00   | 15.00   | .....   | .....   | .....   | .....  | ..... |
| Adiantums....."                     | 1.00    | .....   | .75     | .....   | .....   | .....  | ..... |
| Galax, Green or Bronze.....per 1000 | 1.00    | .....   | .....   | .....   | .....   | .....  | ..... |
| Ferns....."                         | 2.00    | 1.50    | .....   | .....   | .....   | .....  | ..... |

Send Your Orders for Summer Flowers to

## CHAS. W. MCKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock  
at Lowest Market Prices.

Long Distance Phone  
Central 3598.

### Philadelphia.

#### HEAT HURTS OUTSIDE FLOWERS.

The heat of the past week has been terrific, the glass ranging from 90° to 96° in the shade. This continuous spell of hot weather, together with lack of rain, has about wound up some of the outside flowers. The sweet peas are fading badly, the stock now offered being very poor indeed. Asters are, however, coming to take their place, and some very nice lavender and white ones showed among the stocks of last week. Gladioli are seen in such quantities that they can now be depended on for orders at any time. Roses are very small, the buds being cut tight, as they open so quickly. There are cattleyas and lily of the valley equal to the demand. There is also a plentiful supply of Easter lilies with fine large flowers, but rather weak stems.

#### NOTES.

Arthur Niessen, who is an expert on prices of cut flowers at wholesale, when asked to compare the general average for all flowers for the season of 1910-11 with that of 1911-12, said that the difference was fully 10 per cent in favor of 1910-11 over that of the last season. In fact, he said, this statement he felt was most conservative, as the difference was probably nearer 15 per cent. He thought the reason was a combination of a low or

dull business condition of the country and an over-production of cut flowers. This latter, he said, was mostly due to the ambition of the growers, who ran up houses without looking ahead to see if they had a good market for the stock they would produce. He said the danger of too much glass should be brought to the attention of the growers in some way so as to make them call a halt, and there was probably no better plan than the expensive one of their realization through the poor returns which they could not but see was due to over-production. Some seem to think that a larger place is the remedy, producing more flowers when there is a great scarcity and trimming out in the general average through a saving in expenses of running a large place over a small one. He believed that growers who undertake to better conditions by going into the retail and keeping up two separate organizations to sell their products would come out at the small end of the horn. He had seen this tried by a number of men and nearly always with disastrous results. The florists of the small towns who grow and retail their products are a class by themselves and generally buy far more than they sell at wholesale. Mr. Niessen thought that the business in spite of the comparative difference in favor of a year ago was in a healthy condition,

## LARGE SUPPLY OF SEASONABLE STOCK

### ROSES

### CARNATIONS

### VALLEY

### PEONIES

### ASTERS

## ERNE AND KLINGEL

30 E. Randolph St., Chicago  
L. D. Phone, Central 466

as it was expanding rapidly, the volume increasing every year.

Begonias, Glory of Ciuccinatti and Lorraine, together with young cyclamen, are the leaders with the Robert Craig Co. at the present time, a force of packers being busily engaged ship-

**Cut Flowers  
AND GREENS  
LARGE SUPPLY OF ALL KINDS**

**KENNICOTT BROS. CO.**  
WHOLESALE CUT FLOWERS  
163-165 N. WABASH AVE. CHICAGO  
L. D. Phone Central 466

**JOHN KRUCHTEN**

L. D. Phone, Central 6269

**162 N. Wabash Ave., - CHICAGO**

Wholesale Cut Flowers  
and Greens  
Gardenias a Specialty  
A Trial Order Solicited

ping orders all day long. Mr. Craig said that 50,000 begonias at one time looked like a large stock, but that now, on top of the large quantities of both varieties that had gone out this season, they could easily sell 50,000 more Cincinnati, if they had them, as orders for this variety were being turned down with every mail.

D. T. Connor, for the Foley Mfg. Co., reports things moving along nicely.

Mrs. Nora R. Ohl of the Primrose Flower Shop, Ardmore, has ordered a house 18x68 feet to be run in connection with the store. The Foley Mfg. Company erect and finish the house complete, furnishing also the heating apparatus.

The Foley Co. is also erecting two houses, 26x110 feet and 24x42 feet, for Edwin Wickershaw Co., Pottstown, Pa. K.

#### Davenport Club Has Outing.

The eighth annual picnic of the City Florists' Club was held at Wm. Knees' summer home on Rock River, Thursday, July 11, and proved a grand success in every way. The day was pleasant and clear as a bell, and the most of the florists and their families took advantage of the outing. There were eighty in all and they enjoyed themselves to their hearts' content. The morning was given over to getting acquainted, boating and trying for a few fish, but mainly in getting up an appetite for dinner, which proved appetizing and was certainly appreciated. After dinner was over and the boys had rested up a bit there were a baseball game and other sports. Moline won the game by the score of 9 to 3, and the only excuse the Davenport-Rock Island team has is that Moline furnished the umpire. However, the game was an interesting one in spite of the fact that the men only play about once a year.

The winners of the races were:  
Married ladies—Mrs. T. Shaffer, 1 pound box of candy.

Single ladies—Miss Alma Goranson, 1 pound box of candy.

Girls—Grace Pauli, 1 pound box of candy.

Boys—Robt. Pearson, baseball.

Young men—Carl Hanson, knife.

Bachelors—E. P. Zimmerman, pipe.

Married men—C. Sorensen, box of cigars.

A launch was provided for all those that cared to take a ride on the river. The launch proved popular and it was kept busy all day long, as were also several rowboats. Supper was served at 6:30, and like the dinner was heartily enjoyed. The committee in charge should be complimented for the way everything was carried out. It was the most successful outing the club ever had.

BOSTON, MASS.—The Welch Bros. Floral Co. has incorporated with a capital stock of \$75,000.

When your business has poor health  
Advertising restores "By Wealth."

## EVERYBODY'S DOING IT

Try a **SURE** business producer, the best advertising medium known at a price that should interest you. 1000 blotters lithographed in seven colors including the printing of your card for \$7.50. Special price in large quantities.

This special offer will only last until our present supply is exhausted. Therefore get your order in at once. Include copy for printing matter. Money order or check must accompany your order to insure prompt delivery.

Samples of 12 different designs furnished for 10c.

**THE KLING LITHOGRAPHING CO.**  
DAYTON - - - - OHIO

#### Cincinnati.

##### LITTLE STOCK AND LESS DEMAND.

The market seems to be rapidly approaching the conditions of a year ago, except in one particular. Then there was a good demand with good prices, where now there is a slow demand with low prices. So far we have had easily plenty of stock, but now the size of the cuts has decreased so that the aggregate volume of receipts is small. It is well that it is so, for there is hardly a large enough demand to take up the offerings. The rose market is well supplied with very good stock. The request for American Beauties is good and all that could be desired. Carnations are on a very rapid decline, most of the blooms are small and of only fair quality at the best. The hot sun is having a telling effect. It has already made sweet peas a back number. Some very choice Easter lilies and auratum are coming in daily. There is also almost always a good supply of nymphaeas on hand. Gladioli sell well and include some very fine blooms. Snapdragons are also offered. The supply of green goods is adequate. The call for cut ferns is strong.

##### NOTES.

Among the vacation-takers this week are Miss Christine Bossmeyer, at C. E. Critchell's, and Miss Margaret Anstead, at E. G. Gillett's.

Mrs. P. J. and Master Robert and Miss Rose Olinger have gone to Evanston, Ill., to spend the summer with relatives.

John Rubenschoer of West Price Hill has been sending excellent gladioli to the local market.

Chas. Garvey, of Peter Wieland's, has gone to Indianapolis for a few weeks.

C. E. Critchell has been receiving excellent early white asters.

The Davis Floral Co. has opened for business in Bellevue.

Ed. Fries of Ft. Thomas is erecting a new large greenhouse.

C. E. Critchell spent Thursday afternoon at Spotless Town on the Miami.

Wm. Speck of Newport is cutting some excellent lilies.

Visitors: Fred Lautenschlaeger, Chicago, and Henry Balsley, Detroit. H.

#### Louisville.

Sweet peas are plentiful and the Spencer varieties sell well. The old sorts find little sale, however.

##### NOTES.

The real estate men say Wm. Walker is looking for a suburban tract to move his greenhouses to, as his business has outgrown his present quarters and his present location can be sold to advantage as building lots.

W. H. Leeming, Shively, has erected a greenhouse 35x150 feet. He expects to grow a big lot of the Mrs. Sanders daisies and to go in heavy on shrubbery and hedge plants.

The death of a wealthy capitalist, J. B. Spud, caused a great demand for cut flowers. Jacob Schulz supplied a grave cover for \$200. F. Walker & Co. also had a big order.

The floral parade in June was such a success that the promoters have decided to have this event annually.

A. Rasmussen proposes to erect a house to grow azaleas, etc., for Christmas and Easter sales.

# A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House  
 68 E. Randolph Street, Phone Central 1496. CHICAGO  
**Everything in Cut Flowers and Supplies.**

## Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

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### E. C. AMLING CO.

THE LARGEST,  
 BEST EQUIPPED,  
 MOST CENTRALLY LOCATED  
 WHOLESALE  
 CUT FLOWER HOUSE  
 IN CHICAGO.

68-70 E. RANDOLPH STREET  
 CHICAGO.

L. D. 'Phones Central 1978 and 1977.

### ROSES

White and Pink Killarney and Richmond  
 Roses. Red, White and Pink Carnations.  
 Callas, Sweet Peas, and Greens of all kinds.

**W. E. Trimble Greenhouse Co.**  
 Princeton, Ill.

#### Lancaster County Florists' Picnic.

The club had an ideal day for its outing and the members greatly enjoyed the trolley ride from Lancaster to Pequa as a start. After lunch the McCalls ferry power plant was inspected and a trip was made to Cold Cave. The cave is greater in area than several city blocks and cold enough to keep flowers in on the hottest day of the year. Dinner was served at 4:30 and was followed by dancing and games. Paul Weaver, son of Elmer Weaver, won first in the peanut race and Paul Kohr, son of Frank Kohr, was second. In the children's running race Francis Moore won the prize and in the running race for women Mrs. A. M. Herr won first and Mrs. Brandt of York second. In the men's race Wm. Bemenderfer of Elizabethtown won first and the treasurer of the club, Harry Rohrer, second. In the peanut scramble for all Miss Weaver won the prize. The committee of arrangements were Frank Kohr, chairman; Elmer Weaver, Willis Girvin, Edw. F. Law, Lemon Landis and Albert M. Herr. Among the out-of-town guests were: Wm. Swayne, P. Bernard, E. C. Marshall, James Brown and J. M. Palmer, from Chester county; S. S. Pennock, Chas. Meehan and George Watson from Philadelphia; Mr. and Mrs. Brandt from York and Mr. and Mrs. J. F. Rupp from Shiremanstown.

# J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY WHOLESALE  
 and CARNATIONS Grower of **CUT FLOWERS**  
 A Specialty.....

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Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Avenue, CHICAGO

Mention the American Florist when writing.

## Wholesale Flower Markets

|                                   | CHICAGO, July 17. | Per doz.   |
|-----------------------------------|-------------------|------------|
| Roses, Beauty, specials.....      | 3 50@             | 4 00       |
| " " 36-in.....                    |                   | 3 00       |
| " " 30-in.....                    |                   | 2 50       |
| " " 24-in.....                    |                   | 2 00       |
| " " 15-20-in.....                 | 1 25@             | 1 50       |
| " " 12-in.....                    |                   | 75@ 1 00   |
| " " Short.....                    |                   | 4 00@ 6 00 |
| " Killarney.....                  |                   | 2 00@ 8 00 |
| " White Killarney.....            |                   | 2 00@ 8 00 |
| " Richmond.....                   |                   | 2 00@ 8 00 |
| " Prince de Bulgarie.....         |                   | 4 00@ 8 00 |
| " Radiaace.....                   |                   | 4 00@ 8 00 |
| " Mrs. Aaron Ward.....            |                   | 4 00@ 8 00 |
| " My Maryland.....                |                   | 2 00@ 8 00 |
| " Melody.....                     |                   | 4 00@ 8 00 |
| " Bride.....                      |                   | 2 00@ 8 00 |
| " Bridesmaid.....                 |                   | 2 00@ 8 00 |
| " Mrs. Jardine.....               |                   | 2 00@ 8 00 |
| " Kaiserin Augusta Victoria.....  |                   | 2 00@ 8 00 |
| Carnations.....                   | 1 50@             | 2 00       |
| Asters.....                       |                   | 2 00@ 4 00 |
| Cattleyas..... per doz.,          |                   | 6 00       |
| Daisies.....                      |                   | 75         |
| Feverfew..... per buoch.          | 35@               | 50         |
| Gardenias.....                    |                   | 3 00       |
| Gladioli..... per doz.,           | 75@               | 1 00       |
| Lillium Harrisii..... per doz.,   | 1 50              |            |
| Marguerites.....                  | 1 00@             | 1 50       |
| Spanish Iris.....                 |                   | 4 00       |
| Stocks fancy..... per doz.,       | 50@               | 1 00       |
| Sweet Peas.....                   |                   | 50@ 75     |
| Peonies.....                      | 2 00@             | 4 00       |
| Valley.....                       | 2 00@             | 4 00       |
| Adiantum Croweanum.....           |                   | 1 00       |
| Ferns..... per 1000,              |                   | 1 50       |
| Galax.....                        |                   | 1 25       |
| Leucothoe.....                    |                   | 75         |
| Plumose String..... each,         |                   | 60         |
| Smilax..... per doz.,             |                   | 2 00       |
| Sprengerii, Plumose & Sprays..... | 3 00@             | 4 00       |

JOHNSTOWN, N. Y.—William Larcombe, 139 E. Main street, has placed an order for a new greenhouse, 35x100 feet.

"The Busiest House in Chicago."

## J. B. DEAMUD CO.

Wholesale Florists

160 N. Wabash Ave., CHICAGO

PHONES } Central 3155  
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## Kyle & Foerster

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## WIETOR BROS.

Wholesale Cut Flowers  
 Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

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# Field Grown Carnation Plants

All The New and Best Commercial Varieties

SEND FOR COMPLETE LIST AND QUOTATIONS.

THE LEO NIESSEN CO., Wholesale Florists, Philadelphia, Pa., N. W. Cor. 12th and Race Sts.,

# EASTER LILIES

All year round grown by  
Hoffmeister Floral Co.  
Lickrun, Cincinnati, Ohio

## Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock.  
WRITE FOR PRICES.

Asparagus Plumosus Narus seedlings, \$1.00 per 100; \$7.50 per 1000.  
Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000

W. H. E. LIOTT, Brighton, Mass.

## Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland, and other seasonable stock.

## Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

## Charles H. Tolly

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

# EVERYTHING SEASONABLE

THE MCGALLUM CO., Cleveland, Ohio  
Pittsburg, Pa.

Boston.

RAIN HELPS OUTSIDE CROPS.

Things are still in about the same state as at the last report. We have been cooled off by thunder showers and hail. The outside crops show a spurt to make up for lost time. Many sweet peas that were intended for the show were spoiled by the rain and hail we had Thursday. But the loss of those were the general gain to New England crops and suffering humanity, especially those in the crowded tenement districts.

NOTES.

The sweet pea exhibition was a big success. W. Atlee Burpee & Co.'s exhibit, which received the gold medal, was especially fine. R. & J. Farquhar & Co.'s exhibit of Lillium Myriofolium was a grand thing. Its small leaves and large waxy white and pink flowers showed up well in the dark background of foliage plants. Duncan Finlayson's table decoration showed delicacy and quiet taste and was well worth the silver medal received. The contests in the made up pieces were close and the judges must have had some figuring to give the proper decision. The contests for the school

## Wholesale Flower Markets

| BUFFALO, July 17.            |             | Per 100 |
|------------------------------|-------------|---------|
| Roses, Beauty, special       | 20 00@25 00 |         |
| .. fancy                     | 15 00@20 00 |         |
| .. extra                     | 12 00@15 00 |         |
| .. No. 1                     | 6 00@10 00  |         |
| .. No. 2                     | 2 00@4 00   |         |
| Maid and Bride               | 3 00@6 00   |         |
| Pink Killarney               | 3 00@6 00   |         |
| White Killarney              | 3 00@6 00   |         |
| Richmond                     | 3 00@8 00   |         |
| My Maryland                  | 3 00@6 00   |         |
| Kaiserine                    | 3 00@8 00   |         |
| Carnot                       | 3 00@7 00   |         |
| Carnations                   | 1 00@1 50   |         |
| Asters                       | 1 00@2 00   |         |
| Gladioli (in doors)          | 3 00@5 00   |         |
| Lillium Longiflorum          | 7 00@10 00  |         |
| Lily of the Valley           | 3 00@4 00   |         |
| Sweet Peas                   | 50@1 00     |         |
| Sweet Peas.....per bu., 4@6c |             | 75@1 50 |
| Adiantum Crownatum           |             |         |
| Asparagus, per bunch         | 35@ 50      |         |
| Asparagus Sprengeri          | 35@ 50      |         |
| Ferns.....per 100            | \$1 50      |         |
| Galax.....per 1000           | \$1 50      |         |
| Smilax.....                  |             | 15 00   |

| BOSTON, July 17.          |             | Per 100 |
|---------------------------|-------------|---------|
| Roses, Beauty, medium     | 20 00@25 00 |         |
| .. culls                  | 12 00@20 00 |         |
| .. Bride, Bridesmaid      | 1 00@2 00   |         |
| .. Extra                  | 2 00@6 00   |         |
| .. Killarney and Richmond | 2 00@8 00   |         |
| .. My Maryland            | 2 00@8 00   |         |
| .. Carnot                 | 6 00@12 00  |         |
| Carnations, select        | 1 00@2 00   |         |
| Callas                    | 8 00@12 00  |         |
| Cattleyas                 | 35 00@50 00 |         |
| Gardenias                 | 6 00@12 00  |         |
| Lillium Longiflorum       | 4 00@8 00   |         |
| Lily of the Valley        | 2 00@4 00   |         |
| Mignonette                | 3 00@6 00   |         |
| Narcissus, yellow         | 1 00@3 00   |         |
| .. white                  | 1 00@3 00   |         |
| Sweet Peas                | 25@ 75      |         |
| Smilax                    | 12 00@18 00 |         |
| Snopdragon                | 6 00@8 00   |         |
| Spirea                    | 2 00@3 00   |         |
| Sticks                    | 2 00@4 00   |         |

| ST. LOUIS, July 17.                |             | Per 100 |
|------------------------------------|-------------|---------|
| Roses, Beauty, medium stems        | 25 00@30 00 |         |
| .. short stems                     | 2 00@4 00   |         |
| .. Killarney                       | 3 00@6 00   |         |
| .. My Maryland                     | 3 00@6 00   |         |
| .. White Killarney                 | 2 00@6 00   |         |
| Carnations                         | 1 00@1 50   |         |
| Asters                             | 2 00@4 00   |         |
| Fastier Lillies                    | 10 00       |         |
| Gladiolus                          | 4 00@6 00   |         |
| Peas                               | 40@ 60      |         |
| Valley                             | 3 00@4 00   |         |
| Asparagus Sprengeri                | 2 00@3 00   |         |
| Asparagus Plumosus, per bu., 35@60 |             |         |
| Ferns, New, Fancy                  |             | 1 50    |



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists, BUFFALO, N. Y. Florists' Supplies and Wire Designs.

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## Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist, 1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

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## THE MUNK FLORAL CO.

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

Mention the American Florist when writing

| CINCINNATI, July 17. |                    | Per doz., 50@ 3 00 |
|----------------------|--------------------|--------------------|
| Roses, Beauty        | per doz., 50@ 3 00 |                    |
| .. Bride, Bridesmaid | 2 90@ 8 00         |                    |
| .. Killarney         | 2 30@ 8 00         |                    |
| .. My Maryland       | 2 00@ 8 00         |                    |
| .. Perle             | 2 00@ 8 00         |                    |
| .. Richmond          | 2 00@ 8 00         |                    |
| .. Taft              | 2 00@ 8 00         |                    |
| Asters               | 2 00@ 5 00         |                    |
| Lilium Gigantum      | 4 00@ 8 00         |                    |
| Gladioli             | 2 00@ 8 00         |                    |
| Lily of the Valley   | 3 00@ 4 00         |                    |
| Adiantum             | 1 00               |                    |
| Asparagus Plumosus   | per bunch, 25      |                    |
| Asparagus Sprengeri  | per bunch, 25      |                    |



# C. C. POLLWORTH CO.

MILWAUKEE'S  
LEADING PLANT,  
CUT FLOWER AND  
FLORIST SUPPLY  
HOUSE.

## HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Choice Roses, Carnations, Violets, Valley,  
Tulips, Peonies, Lilies,  
AND ALL OTHER  
CUT FLOWERS and GREENS

—THE—

**J. M. McCullough's Sons Co.,**  
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on Application.

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## GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.  
448 Milwaukee St., Milwaukee, Wis.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.  
Both L. D. Phones.

Supplies and Everything in Season always on hand

children were very creditable. Sunday afternoon some of the delegates went on auto rides through the park system, chaperoned by P. Welch and W. J. Stewart and of course they had a good time.

It may interest many to know something about the express business. A published report shows that in the past five years four express companies paid a total of \$66,320,000 in dividends. That may account for the extra charges imposed on the florists in the past few years and the extra expense incurred by having to put the boxes on the trains themselves.

Thursday was fishing day for the Boston Flower Market. Some forty-five, under the guidance of W. Hastings, sailed down the bay to catch thunder, lightning and rain and get thoroughly drenched.

Penn's duck farm in his show window attracts considerable attention. There will be money in these if the Kosher meat strike continues much longer.

MAC.

CORTLAND, N. Y.—W. D. Gates is building a new greenhouse 18 x 35 feet.

MILWAUKEE, WIS.—The co-partnership existing between John C. Heitman and Gustav F. Baerman, under the firm name of Heitman & Baerman, growers of cut flowers for the wholesale market, was dissolved by mutual consent July 1. The business will be conducted hereafter under the firm name of Heitman-Oestreicher Co., Eugene Oestreicher entering into partnership with Mr. Heitman.

## Wholesale Flower Markets

| MILWAUKEE, July 17.     |                      | Per 100 |
|-------------------------|----------------------|---------|
| Roses, Beauty, per doz. | 75@3 00              |         |
| " Killarney             | 3 00@ 8 00           |         |
| " Richmond              | 3 00@ 8 00           |         |
| " White Killarney       | 3 00@ 8 00           |         |
| Carnations              | 1 00@ 2 00           |         |
| Asters                  | 2 00@ 3 00           |         |
| Daisies                 | 50@ 1 00             |         |
| Lilium Giganteum        | 1.25 doz. 8 00@10 00 |         |
| Sweet Peas              | 50                   |         |
| Swainsona, per bunch    | 35                   |         |
| Asparagus, per string   | 50                   |         |
| Sprengeri, per bunch    | 35                   |         |
| Ferns, Fancy            | per 1000, 1 50       |         |
| Galax                   | per 1000, 1 50       |         |
| Smilax                  | per doz., 2 00       |         |

| PITTSBURG, July 17.            |             | Per 100 |
|--------------------------------|-------------|---------|
| Roses, Beauty, special         | 25 00       |         |
| " extra                        | 12 00@25 00 |         |
| " No. 1                        | 6 00@10 00  |         |
| " Bride, Bridemaid             | 2 00@ 4 00  |         |
| " Chateaux                     | 2 00@ 4 00  |         |
| " Killarney                    | 2 00@ 4 00  |         |
| " My Maryland                  | 2 00@ 4 00  |         |
| " Richmond                     | 2 00@ 4 00  |         |
| Carnations                     | 1 50@ 2 00  |         |
| Cattleyas                      | 50 00       |         |
| Lilium Longiflorum             | 10 00@12 00 |         |
| Lily of the Valley             | 4 00        |         |
| Oncidiums                      | 3 00@ 4 00  |         |
| Sweet Peas                     | 50          |         |
| Violets, single                | 25          |         |
| " double                       | 50          |         |
| Adiantum                       | 1 00        |         |
| Asparagus Sprengeri, per bunch | 35          |         |
| sprays, per bunch              | 35          |         |

| PHILADELPHIA, July 17. |             | Per 100 |
|------------------------|-------------|---------|
| Roses, Beauty, extra   | 20 00@25 00 |         |
| " first                | 8 00@12 00  |         |
| " Brides and Maids     | 4 00@ 6 00  |         |
| " Killarney            | 3 00@10 00  |         |
| " White Killarney      | 3 00@10 00  |         |
| " Liberty              | 3 00@10 00  |         |
| Cattleyas              | 35 00@50 00 |         |
| Gardenias, per doz.    | 1 00@2 00   |         |
| Gladioli               | 3 00@ 4 00  |         |
| Lilium Harrisii        | 8 00@10 00  |         |
| Lily of the Valley     | 3 00@ 5 00  |         |
| Marguerites            | 75@ 1 00    |         |
| Snopdragons            | 3 00@ 4 00  |         |
| Sweet Peas             | 40@ 50      |         |
| Water Lilies           | 2 00@ 4 00  |         |
| Adiantum               | 75@ 1 00    |         |
| Asparagus, per bunch   | 50          |         |
| Smilax                 | 15 00@20 00 |         |

PHILADELPHIA, PA.—Campbell Bros. are having four new greenhouses erected, each 17 by 150 feet.

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Per Gallon \$1.35. Special price on large lots.  
Machine for applying Mastica, \$1.25 each.  
Peerless Glazing Points per 1000, 60 cents.  
Per 5000 at 55 cents per 1000.

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Wholesale Florist,

1324 Pine Street. ST. LOUIS, MO

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## New York.

## LESS SURPLUS STOCK.

Though the weather continues very warm and stock very plentiful, conditions the past week have been a trifle better. But saying conditions are better does not mean that prices will be much increased. It means that there was not so much stock thrown away. Carnations are getting very poor in quality and with the exception of a few orders for the very best of them they have to be closed out at very low prices. The same conditions prevail with roses. The supply of lilies far exceeds the demand and the quality of these is extremely good. Asters are gradually getting more plentiful. Gladioli are now seen at all the wholesale houses. Lily of the valley are very plentiful, quality not so good as it has been. There is no perceptible change in the orchid market except that there is a good demand for *Cattleya gigas*, the quality of which at present is very fine. All outside flowers are very plentiful. Prices that are realized for these at times, it would seem, would hardly pay the express charges.

## NOTES.

A fire which might have been very disastrous occurred in the store of N. J. Hills, 56 West Twenty-eighth street, Thursday night about 11 o'clock. Mr. Hills' store was completely gutted out, and he unfortunately carried no insurance. The next evening a fire occurred on the top floor of the building occupied by William P. Ford, 45 West Twenty-eighth street, but was quickly extinguished.

It is reported that the home of Wm. G. Badgley, the well-known grower and wholesaler, who resides at Chatham, N. J., was broken into by thieves on Wednesday night and completely cleaned out. In addition to taking the previous week's returns, which Mr. Badgley had just received, they took also Mr. Badgley's badge of office as chief of police of Chatham.

The outing of the Greek-American Florists' Association on Monday, July 8, was a great success in every way, and N. J. Lales, the president of the society, and his committees, deserve great credit for the very successful manner in which all arrangements were carried out. All of the prominent wholesalers were present and participated in the sports.

Charles H. Totty, chairman of the National Flower Show committee, since his return from Europe has again resumed active work in flower show matters. Mr. Totty is very enthusiastic and is confident that this show and the trade exhibition in connection will eclipse anything of the kind ever held.

Walter F. Sheridan, organizing director of the alumni of the New York Florists' Club, will call a meeting of all the ex-officers of the club shortly, and it is expected that this organization will be well established before the advent of the next national flower show in April.

Interest in the coming great national flower show in New York seems to be growing in all quarters. The secretary's office during the past week was flooded with inquiries regarding the trade exhibition in conjunction with the show and there were many requests for the preliminary schedule.

President Joseph A. Manda of the New York Florists' Club has appointed the following as members of the nominating committee: Frank H. Traendly, C. B. Wethered, W. F. Sheridan, C. H. Totty, I. S. Hendrickson, Robert Koehne, A. L. Miller.

Mrs. Minnie H. Burns, wife of Alex. S. Burns, retired florist of Woodside, L. I., died Friday, June 12, in the German Hospital, New York, after an operation which was performed the pre-

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vious week. The funeral services were held Monday morning at 10:30.

President Richard Vincent, Jr., of the Society of American Florists, was a visitor on Thursday and Friday, completing with the secretary the details of the program for the next convention. One of Mr. Vincent's granddaughters accompanied him.

Growers in this vicinity are complaining very much of the dry weather and the carnations that are in the field are suffering very much from the drouth. Already it seems there will be a scarcity of carnation plants this fall.

The International Exhibition Co. is also making every effort to see that the project gets the proper publicity and there is no question but that the new Grand Central Palace is an ideal building in which to hold a flower show and trade exhibition.

All of the new stores now in course of erection by Jno. S. Nichols in Twenty-eighth street, have been rented. Several important changes in locations by some of the wholesale dealers is anticipated as a result.

The news of the death of Wm. R. Smith was received with great regret by all in the trade here. Frank R. Pierson, Tarrytown; A. N. Pierson, Cromwell, Conn., and John Young attended the funeral.

Wm. A. Haupt, for many years with Young & Nugent, has opened a retail department in the store of A. L. Young & Co., where he will cater to a select patronage.

The annual outing of the New York and New Jersey Plant Growers Association took place at Brighton Beach July 18.

There was a very large party going by the all-water route to Boston Friday night to attend the exhibition of the American Sweet Pea Society.

Henry C. Riedel and Mrs. Riedel will spend the month of August in Canada.

Henry and Paul Dailedouze are expected home from Europe this week.

## Albany, N. Y.

## CLUB MEETING.

Members of the Albany Florists' club, in large numbers, journeyed out to the establishment of Frederick Goldring, Font Grove, eight miles from Albany, on the evening of July 11 for the monthly meeting. Among the interesting discussions was one on the annual clambake. George Parr, a local authority on this subject, was given the floor and in a few sentences explained what could be done for the members in the line of an old-fashioned Rhode Island affair with trimmings, a program of sports, and a general good time, under shelter, if necessary. Mr. Parr's remarks were followed by comments and by vote it was decided to hold the bake on a Saturday afternoon, probably late in August, and to make it a family affair. The entertainment committee, Louis H. Schaefer, chairman, was instructed to take charge of details and to report at the next meeting. Otto Suecker and R. D. Griffin made brief remarks. President Danker named E. P. Tracey, F. R. Bilson, and L. H. Schaefer a committee to inquire into the subject of exhibits at a fair to be held at Glenmont, below Albany, this fall. John Coffey, Cohoes, was elected to membership and one appli-

cation was received to be acted upon at the August meeting. The club accepted the invitation of Henkes Bros. to hold the meeting at their place, Newtonville, on the evening of August 1. Following the business session a very pleasant social hour was spent.

## NOTES.

Architect R. D. Macpherson, 910 Myrtle avenue, has prepared plans for a greenhouse, 25 feet by 50 feet, to be built on the grounds of St. Vincent's Catholic male asylum, 391 Western avenue. It will replace one now in use upon which is cast the shadow of a large new building in course of construction. The greenhouse will be devoted to the instruction of boys in the rudiments of horticulture. A feature will be benches fitted up for the use of a class of 12 boys at one time.

Mr. and Mrs. Harry G. Eyres have opened their summer home at The Hague, Lake George, for the season.

William Hannell, Watervliet, is completing a rose house 30x150 feet, which will be stocked for the winter.

R. D.

## Indianapolis.

## USUAL SUMMER CONDITIONS.

Business has simmered down to the usual summer condition; funeral work or nothing, mostly nothing. Roses and carnations are of an indifferent quality and supplies about equal to demand. Carnations are selling at 80 cents to \$1, tea roses from \$2 to \$5 a hundred. Good American Beauties are scarce but seem less in demand than last summer. Two weeks of rainy weather and severe storms have damaged outside stock considerably; sweet peas, especially, suffered heavily, so that no salable ones have been available for the last six or eight days. Gladioli and asters have not yet appeared on the market in quantities.

## NOTES.

The State Florist Association at their last meeting accepted the resignation of Secretary Junge and unanimously elected Mr. Steinkamp, of Baur & Steinkamp, to succeed him. Mr. Junge, in tendering his resignation, explained to the members that the demands of his business at present were such as to make it impossible for him to give the affairs of the association the necessary attention.

The employes of Bertermann Bros. Co. have held their annual picnic at the Bertermann country place. The committee on arrangements, favored by ideal weather, made the affair a grand success. The most important event was the baseball game in which the plain clothes men beat the uniformed squad by a score of 12 to 4.

John Elsner is remodeling his place, replacing his small greenhouses with large modern structures with the latest improvements in heating and ventilating apparatus.

A hail storm, passing west of the city, did considerable damage to outside stock, destroying a patch of fine asters and other outside flowers belonging to Mrs. Hurley.

Homer Wiegand and Mrs. Wiegand took an automobile trip to the lakes of northern Indiana.

Mr. Fachmann, the pioneer wire worker, has resumed his business here after a trip east.

Mr. Lawrence leaves tomorrow on a trip to Colorado.

H. J.

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**Wholesale Flower Markets**

|                                 | New York, July 17. | Per 100 |
|---------------------------------|--------------------|---------|
| Roses Beauty, special           | 4 30@              | 15 00   |
| " " extra and fancy             | 3 00@              | 6 00    |
| " " No. 1 and No. 2             | 1 00@              | 3 00    |
| " Bride, Bridesmaid, special    | 1 00@              | 3 00    |
| " " extra and fancy             | 50z                | 1 00    |
| " " No. 1 and No. 2             | 25@                | 50      |
| " Killarney, My Maryland        | 1 00@              | 2 00    |
| " " extra and fancy             | 25@                | 1 00    |
| " " No. 1 and No. 2             | 15@                | 25      |
| " Richmond                      | 15@                | 2 00    |
| Carnations                      | 15@                | 2 00    |
| Cattleyas                       | 15 00@             | 50 00   |
| Gardenias                       | 10 00@             | 15 00   |
| Lilies, Longicorn and Harrisli. | 1 00@              | 3 00    |
| Lily of the Valley              | 1 00@              | 2 00    |
| Sweet Peas, per doz. bunches    | 10@                | 25      |
| Adiantum Croweanum              | 15@                | 25      |

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Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employes) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

**AMERICAN FLORIST CO.,**

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**CHICAGO.**

## St. Paul.

### STORM DAMAGES GLASS.

All greenhouse stock is showing the effects of the hot weather. Outside stock, such as sweet peas, gladioli, asters and all annuals was exceptionally fine previous to the severe storm of Friday, July 12. It was the worst storm in this locality since the cyclone about ten years ago. The city suffered a heavy loss in property; also several lives were lost. As the hail was severe most all florists in the city lost some glass. The dwelling house of Max Kaiser, proprietor of the Merriam Park Floral Co., was struck by lightning. Fortunately the loss was light, as it was confined to the roof. This firm also lost considerable hotbed sash through the hail and wind. The greenhouse of Henry Krinke & Son on Jessamine street was badly demolished. One end of his range was completely blown to pieces. He hasn't yet been able to estimate his loss. A great number of other florists had more or less glass broken, but all were members of the association, so their loss will not be so heavy. Business has been dull except funeral work, which keeps up well. Many owners are remodeling.

### NOTES.

St. Paul's flower show to be held in the fall is shaping itself well. All the committees are working well and the growers are enthusiastic. No doubt this city will have as fine a show as was ever staged. With all the facilities of a large auditorium and a lot of enthusiastic florists here and in Minneapolis we are bound to have a fine show. The last meeting of the show committee disclosed the names of the judges that have accepted to date. They are J. S. Wilson, Des Moines, Iowa; Wm. Rock, Kansas City, Mo., and W. N. Rudd, Chicago.

C. Bussjaeger, who, for the past five years leased his greenhouses to Mr. Topel, has again resumed the management and is remodeling his entire place. Mr. Topel has purchased the place of Otto Hiersekorn on Seventh street and is doing business there.

Holm & Olson received a large shipment of orchids the past week. This firm is now growing a great many orchids and they have no trouble disposing of them.



## FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green..... \$1.25 per 1000  
Sphagnum Moss, large bales..... \$1.50  
Lencothoe Sprays, Green..... \$1.00 per 100; \$7.50 per 1000  
Boxwood..... per pound 20c; 50-pound case, \$7.50  
Magnolia Leaves, Imported Green and Bronze, Basket, \$2.25; 6 baskets \$2 each  
Sheet Moss in Bags for Hanging Baskets, Large Bags..... \$2.00 each

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O. J. Olson, Albert Clausen of Albert Lea and Carl Clarién of Faribault went down the river on a fishing trip last week.

L. Anderson of University avenue has opened a store in the Shubert Theatre building. Mrs. Anderson is in charge and states the outlook is good.

N. C. Hanson, who grows only for the wholesale market, just completed a new rose house, which is planted and was badly damaged by the storm.

H. J. Puvogel, the Grand Avenue florist, is remodeling his entire place and rebuilding four houses.

Wm. Jaap of Duluth was a visitor this week.

J. S. Wilson of Des Moines, Ia., called also on his way to Seattle.

WINCHESTER, MASS.—Ralph F. Arnold, of the Geo. F. Arnold Co., and Miss Evelyn Walker were married here June 26.

ANSONIA, CONN.—Thomas J. Mooney, proprietor of the Ansonia Floral Co., has bought the flower and truck farm of Frank L. Hotchkiss and will take possession September 1. The purchase will enable Mr. Mooney to grow his own flowers hereafter. Mr. Hotchkiss is undecided as yet just where he will locate.

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Chicago. Des Moines.

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### Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

July 21.  
FROM MONTREAL, Ionian, Allan.  
July 23.  
FROM BOSTON, Laconia, Cunard.  
Noordam, Hol.-Amer., 10 a. m.  
July 25.  
Adriatic, White Star, 12 noon.  
Bremen, Nor. Ger. Lloyd, 10 a. m.  
July 26.  
FROM MONTREAL, Empress of Britain, Can. Pac.  
July 27.  
Caledonia, Anchor, 9 a. m., Pier 64, North River.  
FROM PHILADELPHIA, Merion, Amer., 10 a. m.  
Zeeland, Red Star, 10 a. m., Pier 61, North River.  
Prinz Friedrich Wilhelm, No. Ger. Lloyd, 10 a. m., Bremen Pier.  
Czar, Russian-American, 2 p. m.  
July 30.  
FROM BOSTON, Arabia, White Star, 11 a. m.  
Ryndam, Hol.-Amer., 10 a. m.  
July 31.  
Caronia, Cunard.  
August 1.  
FROM MONTREAL, Lake Champlain, Can. Pac.  
Baltic, White Star, 12 noon.  
Luxonia, Cunard.  
August 2.  
FROM PHILADELPHIA, Manitou, Red Star, 10 a. m.  
August 3.  
Columbia, Anchor, 11 a. m., Pier 64, North River.  
Calabria, Anchor.  
Philadelphia, American, Pier 62, North River.  
FROM PHILADELPHIA, Dominion, American 10 a. m.  
Clyde, R. M. S. P., Pier 42, North River.  
FROM MONTREAL, Athenia, Donaldson, at daybreak.  
August 4.  
FROM MONTREAL, Scotian, Allan.  
August 5.  
Roma, Fahre, 3 p. m.  
Kursk, Russian-American, 2 p. m.  
FROM MONTREAL, Letitia, Donaldson, day-break.

## Alexander McConnell,

611 Fifth Ave., cor. 49th Street.  
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL,  
Western Union Code.

Mention the American Florist when writing

New York City.

## Frank Valentine

WHOLESALE AND RETAIL FLORIST  
Also Manufacturer of ARTIFICIAL FLOWERS -  
158 EAST 110TH STREET:  
Bet. 3rd and Lexington Aves. Tel. 5633 Harlem  
Mention the American Florist when writing

## Young & Nugent

Telephone 2065-2066 Madison Square.  
42 West 28th Street.

Go out of town florists  
We are in the Heart of NEW YORK  
and give special attention to steamer and theater orders. Prompt deliveries and best stock in the market.

Mention the American Florist when writing

Dallas, Texas.

## The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

## GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street  
Mention the American Florist when writing

St. Paul, Minn.

## L. L. MAY & CO.

Order Your Flowers for delivery  
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

## Geo. M. Kellogg

Flower & Plant Co.

1122 Grand Ave  
Kansas City and Pleasant Hill, Mo. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

# Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.**

J. A. VALENTINE, Denver, President.  
W. J. PALMER, Buffalo, Vice-President.  
W. L. ROCK, Kansas City, Treasurer.  
OTHER DIRECTORS:  
Ernest Wienhoeber, Philip Breitmeyer,  
A. B. Cartledge, W. F. Gnde, George  
Asmus, Fred H. Meinhardt.

## New York.

Established 1874.

# DARDS

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

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# Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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## Kansas City, Mo.

# WILLIAM L. ROCK Flower Co.

Will execute orders for any town in

Missouri, Kansas or Oklahoma  
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Mention the American Florist when writing

## Buffalo, N. Y.

# W. J. Palmer & Son, 304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

## Louisville, Ky.

# JACOB SCHULZ,

Members Florists' Telegraph Delivery.

560 So. Fourth Avenue.

Mention the American Florist when writing

## Boston, Mass.



# "Penn, The Telegraph Florist

Members of Florists' Telegraph  
Delivery Ass'n.

37-43 BROMFIELD STREET.

## Name Index to Retail Florists Filling Telegraph Orders.

- Alpha Floral Co., Chicago.
- Alpha Floral Co., Dea Moines, Ia.
- Anderson Floral Co., Anderson, S. C.
- Anderson, S. A., 440 Main, Buffalo, N. Y.
- Atlanta Floral Co., Atlanta, Ga.
- Baer, Julius, 138 E. 4th St., Cincinnati.
- Bertermann Bros. Co., Indianapolis, Ind.
- Boland, J. B., San Francisco.
- Boldt-Lundy Flower Shop, Denver, Colo.
- Bowe, M. A., New York.
- Breitmeyer's Sons, John, Detroit, Mich.
- Buckbee, H. W., Rockford, Ill.
- Clark's Sons, D., New York.
- Cleveland Cut Flower Co., Cleveland, O.
- Cooke, Geo. H., Conn. Ave. and L. Washington.
- Crump, Frank, Colorado Springs, Colo.
- Daniels & Fisher, Denver, Colo.
- Dard's, 44th and Madison Ave., New York.
- Duerr, Chas. A., Newark, O.
- Dunlop's, 96 Yonge St., Toronto, Can.
- Eyres, 11 N. Pearl St., Albany, N. Y.
- Freeman, Mrs. J. D., Toledo, O.
- Galvin, Thos. F., Boston.
- Gasser, J. M., Co., Cleveland, O.
- Geny Bros., Nashville, Tenn.
- Grand Rapids Floral Co., Grand Rapids, Mich.
- Gude Bros., Washington.
- Habermann, Charles, New York.
- Hatcher, Florist, Amsterdam, N. Y.
- Hatcher, Florist, Schenectady, N. Y.
- Helm & Son, J. G., Terre Haute, Ind.
- Hesa & Swoboda, Omaha, Neb.
- Hoffman, 59 Mass. Ave., Boston.
- Holm & Olson, St. Paul, Minn.
- Keller Sons, J. B., Rochester, N. Y.
- Kellogg F. & P. Co., Geo. M., Kansas City.
- Kift, Robert, 1725 Chestnut, Philadelphia.
- La Crosse Floral Co., La Crosse, Wis.
- Lange, A., 25 E. Madison St., Chicago.
- Mangel, 17 E. Monroe St., Chicago.
- Masur, S., Brooklyn, N. Y.
- Matthews, 16 3rd St., Dayton, O.
- May & Co., L. L., St. Paul, Minn.
- McConnell, Alex., New York.
- McKenna, Montreal, Can.
- Murray, Samuel, Kansas City, Mo.
- Myer, Florist, New York.
- Palmer, W. J., & Son, Buffalo.
- Park Floral Co., The, Denver, Colo.
- Penn, the Florist, 43 Bromfield St., Boston.
- Podesta & Baldocchi, San Francisco.
- Polworth Co., C. O., Milwaukee.
- Rock Flower Co., Wm. L., Kansas City.
- Saakes, O. C., Los Angeles, Calif.
- Saltford Flower Shop, Poughkeepsie, N. Y.
- Schiller The Florist, 2221 W. Madison St., Chicago.
- Schling, Max, 22 W. 59th St., New York.
- Schulz, Jacob, Louisville, Ky.
- Shaffer, Geo. C., Washington.
- Smith Co., A. W., Pittsburgh, Pa.
- Smith, Henry, Grand Rapids, Mich.
- Texas Seed and Floral Co., Dallas, Tex.
- Valentine, Frank, 158 E. 110th St., New York.
- Walker & Co., Louisville, Ky.
- Weber, F. H., St. Louis, Mo.
- "Wilson," 3 and 5 Greene, Brooklyn, N. Y.
- Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
- Witthold, 56 E. Randolph St., Chicago.
- Wolfskill Bros. and Morria Goldensohn, Los Angeles, Calif.
- Young & Nugent, New York.
- Young's, 1406 Olive, St. Louis, Mo.

## Detroit, Mich.

# John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.  
High Grade Cut Blooms.

We cover all Michigan points and good Sections of Ohio, Indiana and Canada.

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D. C.

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All Orders Given Prompt and Careful Attention

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Wholesale and Retail Florist.

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**Robert Kift,**

1725 Chestnut St.

Personal Attention to all Orders.

*M. C. Rowe*

IN THE HEART OF NEW YORK CITY  
Phone 6404 Madison Sq. 6 East 33d St.  
Our Motto—THE GOLDEN RULE.

Dayton, O.

**Matthews,**

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.  
for Dayton and vicinity. Long dis. Phones.

Pittsburg, Pa.

**A. W. Smith Co.**

KEENAN BLDG.

Largest Floral Establishment in America,  
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or  
cable. Cable address "Daniels, Denver"

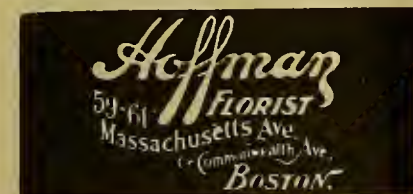
Mention the American Florist when writing

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

Euclid Avenue.

We Cover All Points in Ohio.



Montreal.

*McKenna*

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice  
Beauties, Orchids and Valley always on hand.

Atlanta, Ga.

**Atlanta Floral Co.**

41 Peachtree Street.

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and  
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.  
229 WEST THIRD STREET.

**City Index to Retail Florists  
Filling Telegraph Orders.**

- Albany, N. Y.—Eyes, 11 N. Pearl St.
- Amsterdam, N. Y.—Hatcher, Florist.
- Anderson, S. C.—The Anderson Floral Co.
- Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
- Boston—Thos. F. Galvin, Inc., 124 Tremont St.
- Boston—Hoffman, 59-61 Mass. Ave.
- Boston—Peun, the Florist, 43 Bromfield St.
- Brooklyn, N. Y.—S. Masur.
- Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
- Buffalo, N. Y.—S. A. Anderson, 440 Main.
- Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
- Chicago—Alpha Floral Co.
- Chicago—Mangel, 17 E. Monroe St.
- Chicago—A. Lange, 25 E. Madison St.
- Chicago—Schiller The Florist, 2221 W. Madison.
- Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
- Chicago—Wittbold's, 56 E. Randolph St.
- Cleveland, O.—The Cleveland Cut Flower Co.
- Cleveland, O.—The J. M. Gasser Co.
- Colorado Springs, Colo.—Frank E. Crump.
- Dallas, Tex.—Texas Seed and Floral Co.
- Dayton, O.—Matthews, 16 W. 3rd St.
- Denver, Colo.—The Boldt-Lundy Flower Shop.
- Denver, Colo.—The Park Floral Co.
- Des Moines, Ia.—Alpha Floral Co.
- Detroit, Mich.—John Breitmeyer's Sons.
- Grand Rapids, Mich.—Grand Rapids Floral Co.
- Grand Rapids, Mich.—Henry Smith.
- Indianapolis—Bertermann Bros. Co., 214 Mass.
- Kansas City—Geo. M. Kellogg, F. & P. Co.
- Kansas City—Samuel Murray.
- Kansas City—Wm. L. Rock Flower Co.
- La Crosse, Wis.—La Crosse Floral Co.
- Little Rock, Ark.—Vestals, 409 Main St.
- Los Angeles, Calif.—O. C. Saakes.
- Los Angeles—Wolfskill Bros. & M. Goldenson.
- Louisville, Ky.—Jacob Schulz, 550 4th Ave.
- Louisville, Ky.—F. Walker & Co., 634 4th Ave.
- Milwaukee—C. C. Pollworth & Co.
- Montreal—McKenna.
- Newark, Ohio—Chas. A. Duerr.
- Nashville, Tenn.—Geny Bros.
- New York—M. A. Bowe.
- New York—D. Clark's Sons, 2139 Broadway.
- New York—Dard's, 44th and Madison Ave.
- New York—Alex. McConnell, 611 5th Ave.
- New York—Charles Habermann.
- New York—Myer, Florist, 609 Madison Ave.
- New York—Max Schling, 22 W. 59th St.
- New York—Frank Valentine, 158 E. 110th.
- New York—Young and Nugent.
- Omaha, Neb.—Hess & Swoboda, Farnum St.
- Philadelphia—Robert Kift, 1725 Chestnut.
- Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
- Poughkeepsie, N. Y.—The Saltford Flower Shop.
- Rochester, N. Y.—J. B. Keller's Sons.
- Schenectady, N. Y.—Hatcher, Florist.
- Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
- St. Louis, Mo.—F. H. Weber.
- St. Louis, Mo.—Young's, 1406 Olive St.
- St. Paul, Minn.—Holm & Olson.
- St. Paul, Minn.—L. L. May & Co.
- San Francisco—J. B. Boland, 60 Kearney St.
- San Francisco—Podesta & Baldocchi.
- Terre Haute, Ind.—J. G. Heini & Son.
- Toledo, O.—Mrs. J. D. Freeman.
- Toronto, Can.—Dunlop's, 69 Yonge St.
- Washington—Geo. H. Cooke, Conn. Ave. and L.
- Washington—Gude Bros.
- Washington—Gen. C. Shaffer, 14th and I Sts.

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Established 1849

**David Clarke's Sons**

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2139-2141 Broadway,

Telephones:

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Choice Cut Flowers.

**SAN FRANCISCO**

**Podesta & Baldocchi**

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Prompt and careful attention to orders  
from out-of-town florists.

Los Angeles, Calif.

**O. C. SAAKES**

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Prompt and careful attention to orders from out  
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut  
Flower Co.**

Will fill your orders for designs and cut flowers in  
**NORTHERN OHIO.**

Washington, D. C.

**Geo. C. Shaffer**

: : FLORIST : :

Phone 2416 Main,

14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity, on  
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only  
the  
Best **Dunlop's**  
96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.

Milwaukee, Wis.

**C. C. Pollworth Co.**

Will take proper  
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

**GRAND RAPIDS FLORAL CO.**

ALFRED HANNAH & SONS, Will fill your  
orders for Designs and Cut Flowers in Michigan

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Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

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**J. B. KELLER SONS,**  
FLORISTS  
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189  
Members Florists' Telegraph Delivery.

Mention the American Florist when writing.

Newark, Ohio.

**CHAS. A. DUERR,**  
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing.

Little Rock, Ark.

**VESTALS**  
PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

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**L. W. McCOY, Florist**  
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Mention the American Florist when writing.

Nashville, Tenn.

**Geny Bros. LEADING FLORISTS**  
212 Fifth Ave. No. NASHVILLE, TENN.

New York.

**MYER, FLORIST** 609-611 Madison Ave  
Phone 5297 Plaza.

**Flower Colors**

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

**American Florist Co.,**

440 S. Dearborn Street,

CHICAGO.

## Max Schling

NEW YORK  
No. 22 West 59th Street  
Adjoining Plaza Hotel

Omaha, Neb.

**Hess & Swoboda**  
FLORISTS,

1415 Farnum St. TELEPHONES  
1501 and L 1582

Denver, Colo.

**THE BOLDT-LUNDY**  
FLOWER SHOP

614 16th Street.

ORDERS SOLICITED.

Toledo, O.

**Mrs. J. B. Freeman**

(Successor to Geo. A. Hehl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders.

La Crosse, Wis.

**LA CROSSE FLORAL CO.**

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Rochester, N. Y.

NOTHING BUT FUNERAL WORK.

The extreme hot weather since the first of the month has brought business almost to a standstill and except for funeral work the florists of this city would have nothing to do. Carnations are in good condition, but bring low prices and roses fall apart almost as soon as cut. Sweet peas are plentiful but there is no demand for them. There is quite a sale of porch plants at present, such as Boston ferns, Aspidestras, etc.

NOTES.

Mrs. C. R. Quereau, formerly Miss Gibson with the H. E. Wilson firm, was in town July 1 on her wedding trip. The wedding took place June 29, in Philadelphia, where Mr. and Mrs. Quereau will make their home.

George T. Boucher reports business about the average for this time of year. Mr. Boucher will leave shortly on a motor trip to New York, Philadelphia and other cities.

Miss Rose Brown is in Dayton, O., on her vacation. She will visit Chicago before she returns.

Miss Gugelman and Miss Maher, of the Rochester Floral Co., are taking vacations. C. G.

PHILADELPHIA, PA.—Clifford Digmond, charged with stealing a plant from the William Craig greenhouse, won a verdict of acquittal but the jury was ordered from the box by Judge Carr and the accused held under bail of \$600 to keep the peace. The court scored the jury, which he said should have convicted the prisoner without hesitation.

Schenectady, N. Y. Amsterdam, N. Y.

**Hatcher**

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

**F. Walker & Co.,**  
FLORISTS.

Phones: Home 1338. Camb. Main 1338 A.

.....634 Fourth Avenue.

New York:

**CHARLES HABERMANN**  
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

**F. H. WEBER,**  
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768  
Mention the American Florist when writing.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

Mention the American Florist when writing.

**WITTBOLD'S**

New Display Rooms, 58 E. Randolph Street  
CHICAGO

Flowers Palms Decorations  
Rented or Sold

Phones:—Randolph 4708. Nursery, Rogers  
Park 227; Evanston 829; Wilmette 658

Poughkeepsie, N. Y.

**"The Salford Flower Show**

Vassar College and Bennett School.

Rockford, Ill.

**H. W. Buckbee**



# We Have Them. You Will Want Them

COME AND SEE THEM.

You Will Be Sure to Buy Them. What Are They?

## HEACOCK'S KENTIAS

Of Course. Of Decorative Sizes we have the following:

- 900 Kentia Forsteriana, 12-in. cedar tubs, 5 to 7 ft. high, made-up plants.  
 260 Kentia Belmoreana, 12 in. cedar tubs, 5 to 6 ft. high, made-up plants.  
 1,500 Kentia Belmoreana, 9-in. cedar tubs, 4 to 6 ft. high, single plants.  
 850 Kentia Forsteriana, 9-in. cedar tubs, 4 to 5 ft. high, made-up plants.  
 880 Kentia Forsteriana, 7-in. cedar tubs, 3 to 3½ ft. high, made-up plants.  
 1,180 Kentia Belmoreana, 7-in. cedar tubs, 3 to 3½ ft. high, single plants.

All the Smaller Sizes in Great Quantities.

Pronounced by competent judges to be the finest lot of Home-Grown Kentias ever offered to the American Trade. They are Well Established, Strong and Healthy.

700 Cibotium Schiedii, in 7-in. pots and 9-in. tubs. Grand plants.

### Price List for the Asking.

We are easily reached—only 25 minutes from Reading Terminal, Philadelphia. Fifty trains each way every week-day—so you can suit your convenience, both going and coming. Then you can see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Sizes, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. With increased glass devoted to Palms, our stock is much larger and in better condition than ever before.

**JOSEPH HEACOCK CO.,**

**Wyncote, Pa.**

Railway Station,  
Jenkintown.

## Geraniums

Rooted cuttings of S. A. Nutt, and Ricard at \$1.00 per 1000; Poitevine at \$12.50 per 1000. These prices hold good only until Oct 1st.

### Plumosus

My Plumosus has been right for the past fifteen years—it is better than ever now, the price is \$2.50 per 100, in any quantity wanted.

### Smilax

Well hardened stock at \$12.50 per 1000

### German Iris

A fine lot of mixed roots at \$1.00 per 100.

**ALBERT M. HERR, Lancaster, Pa.**

## POINSETTIAS

July Delivery.

We will have a fine lot ready early in July. Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½ in. \$5 per 100; \$45 per 1000.

**A. HENDERSON & CO.**

352 N. Michigan Ave., CHICAGO.

## ROSES

We still have Brides, Maids, Beauties, Ivory, Uncle John and Kaiserin.

Vincas, Variegated and Green.

Rooted Cuttings and 3-inch.

Ferns, Bostons, Asp. Sprenger, Plumosus, Maidenhair, Roosevelts, Whitmani and small ferns.

Special price on large plants of Whitmani and Bostons. Ask for same

**GEO. A. KUHL, Pekin, Ill.**

## The Two Best Roses of The Year

### Killarney Queen and Double White Killarney

Grafted plants for immediate delivery, \$30 per 100; 250 for \$70; \$250 per 1000. Own Root, \$25 per 100; \$200 per 1000.

**RICHMOND, Grafted,** \$15 per 100; \$120 per 1000; Own Root, \$7.50 per 100; \$60 per 1000.

**MRS. TAFT, Rivoire.)** Own root, \$7.50 per 100; \$60 per 1000.

**RADIANCE,** Own root, \$7.50 per 100; \$60 per 1000.

**A. N. PIERSON, Inc., Cromwell, Conn.**

## DesPlaines Floral Co

### Carnations.

Des Plaines,

Illinois

Mention the American Florist when writing

### Celery and Cabbage Plants

Celery, Golden Self Blanching, White Plume, Golden Heart, Boston Market, Giant Pascal and Winter Queen. No. 1 stock \$1.00 per 1000.

Cabbage, All Head and Danish Ball Head, \$1.00 per 1000; \$8.50 per 10000. Grand Rapids Lettuce, \$1.00 per 1000.

Asters, Early and Late Branching, all colors separate, \$2.50 per 1000.

Elmer Rawlings, Wholesale Grower, Olean, N. Y.

## CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE - INDIANA

Mention the American Florist when writing

## ASTERS.

Simple's Branching, best strain in white, pink and purple, fine plants from field, \$2.50 per 1000; 5,000 for \$10.00.

Smilax, fine bushy plants, 2½-in., \$1.50 per 100, \$14.00 per 1000. Primulas, Obconica and Chinese strong 2½-in., \$2.50 per 100.

**J. C. SCHMIDT, Bristol, Pa.**

Mention the American Florist when writing

## The Seed Trade.

### American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;  
Harry L. Holmes, Harrisburg, Pa., First  
Vice-President; Arthur B. Clark, Milford,  
Conn., Second Vice-President; C. E. Kendel,  
Cleveland, O., Secretary and Treasurer;  
J. M. Ford, Ravenna, O., Assistant Secretary.  
Next annual convention, June, 1913.

VISITED CHICAGO: Henry A. Salzer,  
La Crosse, Wis.

LEXINGTON, KY.—James B. Haggin  
is erecting a cleaning plant for the  
handling of bluegrass seed.

S. F. LÉONARD, Chicago, is starting  
this week on a trip to Idaho to include  
the new seed-growing sections.

EASTERN gladiolus bulb growers re-  
port that the growing season has been  
dry and that the crop is late.

CHICAGO.—Prices on the Board of  
Trade, July 17, for grass seed were  
noted as follows: Timothy, \$7 to \$9  
per 100 pounds.

IDAHO pea crops in the vicinity of  
St. Anthony are reported looking bet-  
ter than near Bozeman. Some Gradus  
are estimated at twelve to one and  
some Alderman at six to one.

R. GODINEAU and wife, of Angers,  
France, in leaving New York for home  
last week, expressed warm apprecia-  
tion of the many courtesies shown  
them by the trade during their Ameri-  
can tour.

PARIS seed growers report very se-  
rious shortages in best seed, the pro-  
spect being that May varieties will  
yield only one-third of a crop. Most  
kinds of early cabbages are a total  
failure; carrots, one-fifth of a crop;  
parsley, one-fourth crop; swedes, one-  
third to one-fourth crop.

JAPANESE advices of July 2 report  
the lily crop condition to be good, the  
weather thus far having been favor-  
able, and the condition of the crop  
in all varieties excellent. They say if  
no heavy rain prevails prior to harvest  
time a good crop should result, al-  
though large sizes in most kinds will  
be scarce.

NEWARK, O.—The firm of Osborn &  
Kerr, prominent grain and seed men  
of East Newark, has dissolved part-  
nership. Hereafter it will be known  
as the C. S. Osborn Co., as Mr. Kerr  
retires from the trade. The company  
has been one of the city's most thriv-  
ing business institutions and Mr. Os-  
born will no doubt be quite as suc-  
cessful as in the past.

THE tuberose crop is reported to be  
making rapid improvement, although  
the weather is still unusual for the  
tuberose-growing section. It is hot  
and very rainy and the land is so wet  
that it is hoped the fall will be ex-  
tremely dry, as otherwise it may prove  
disastrous to the crop. Grass has in-  
jured many acres as because of the  
scarcity of labor it could not be kept  
down. However, on the whole, the  
crop is looking very well July 10.

STURGEON BAY, WIS.—Jno. B. Davis  
took his departure June 26 for St. An-  
thony, Idaho, where he will spend the  
ensuing month or more in looking  
after some peas his company has  
planted in that vicinity. His duties  
will be principally to see to the rogu-  
ing of the crop and it will probably be  
some time in August before the work  
is finished.

ALBANY, N. Y.—A new law affecting  
the sale of grass seeds in this state  
went into effect July 1. A fine of \$50  
is imposed as a penalty for the sale  
of grass seeds that contain in excess  
of three per centum by count of foul or  
foreign seeds unless the proportion of  
such foul or foreign seeds is plainly  
stated upon the label. The seedsmen  
are anxious to know how this law  
affects lawn mixtures, the composition  
of which is usually kept secret. Com-  
missioner Huson, of the department of  
agriculture, will announce a decision  
upon this point in a short time.

FRENCH BULBS.—Advices of July 5  
report delayed curing of French bulbs  
because of continued rains and con-  
stant dampness in storage. White  
Roman hyacinths of 13 centimeters  
and up are not obtainable at any price.  
Freesias are also a short crop, some  
growers making only 50 per cent deliv-  
eries. Alliums are reported almost  
a crop failure. The above difficulties  
are added to by the strike of the sail-  
ors. No American importer can yet  
state positively just what he will re-  
ceive on his orders for Romans and  
freesias, but it is thought that orders  
for narcissus paper white of the ordi-  
nary size will be filled in full.

### Protest Against Bourne Bill.

That the passage of the Bourne  
Bill (Senate 6850), now before con-  
gress, would work untold harm to  
thousands engaged in the seed and  
book business has been contended  
from the first by interested persons  
who are alive to their needs and the  
dangers that threaten their means of  
livelihood. That there is a grave ne-  
cessity for concerted action by those  
it would harm most directly, however,  
lest the bill pass unamended, has only  
recently been realized by the great  
mass of the people. The passage of  
a parcels post law becomes more ne-  
cessary each year, but such a law  
should tend rather to aid those whose  
mail would come under its provisions  
than to prohibit by excessive rates  
their use of the mails. Anything that  
affects harmfully the mail order busi-  
ness and the catalogue business is  
bound to affect the general public  
quite as much—if not so directly—as  
the firms engaged in such business.  
Excessive rates mean a smaller re-  
venue to the government instead of a  
greater, because excessive rates mean

practically the destruction of many a  
business as now carried on. It is  
time for every one interested to pro-  
test to congress and meantime it  
would be well to read the following  
letter written by W. Atlee Burpee, of  
Philadelphia, to Senator Penrose, mem-  
ber of the senate committee on post  
office and post roads:

Honorable Boies Penrose,

U. S. Senate,

Washington, D. C.

Dear Sir:—

Having been called home by wire  
from California I could not remain as  
intended in Chicago for the annual  
meeting of the American Seed Trade  
Association then about to convene.  
Calling to pay my respects to the  
President, Mr. Leonard Vaughan, you  
may imagine my surprise (and dis-  
gust!) when he handed me a copy of  
the enclosed circular.

It seemed almost impossible to be-  
lieve that the Senate Committee on  
post offices and post roads, of which  
you were so long the able chairman,  
could even seriously consider such a  
measure as the Bourne Bill (S. 6850).  
Even its author, the Honorable Jona-  
than Bourne, Jr., of Oregon, surely  
must admit upon second thought that  
it is little short of ridiculous to make  
a rate of 12 cents for 7 ounces of third  
or fourth class matter when the same  
weight of first class mail at full let-  
ter postage would only cost 14 cents.

Such legislation would seem almost  
to justify the thought of extreme rad-  
icals that this is NOT a "Government  
of the people, by the people, or for the  
people!"

The passage of this Bourne bill  
would mean practically the ruin of  
the business to which I have devoted  
thirty-six years of strenuous work. It  
would spell ruin also (or necessitate  
complete reconstruction) of thousands  
of others in the seed and book busi-  
ness, as well as to houses in many  
other lines who now depend upon the  
mail to distribute catalogues as their  
"Silent Salesman." The injury to  
lithographic, printing and allied trades  
would also be incalculable.

The first edition of our retail cata-  
logue in December each year is more  
than four hundred thousand copies.  
These, weighing 8 ounces each, are now  
conveniently mailed and routed direct  
from the Burpee Buildings without  
trouble or labor to the Philadelphia  
post office—the wrapper containing  
each catalogue bearing the indicia:

4c. Paid

Philadelphia, Pa.

Permit No. 6.

With stamps affixed this catalogue is  
mailed also all over the world at the  
same rate of 8 ounces for 4 cents.

## Pieters-Wheeler Seed Company

Growers of  
High Grade  
SEED

Hollister,  
California



Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.

Correspondence  
Solicited

## BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

VICK QUALITY  
SEEDS  
PLANTS  
BULBS

ASK FOR WHOLESALE CATALOGUE.

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

Now, by Senator Bourne's so-called "Parcels Post Bill" the cost of postage upon a large percentage of the issue would be trebled—12 cents instead of 4 cents. Is there any reason for the United States wanting to charge three times the rate recognized and long established as fair by every civilized nation on both books and pamphlets?

The Government of the United States recognizing that seeds, like books, must frequently be ordered by mail and that their proper distribution is vital to the welfare of the people, established the same rate on both, two ounces for one cent. We would welcome an increase in size of packages from four pounds to twelve pounds, but neither ourselves nor our customers could be expected to welcome an increase of fifty per cent in charge for service together with rates on small packages that are absolutely prohibitive. We would certainly (as would all seedsmen and publishers) prefer to have four pound packages remain the limit at the present rate.

At the rate of 12 cents per pound for two thousand miles or more it is hardly likely that the P. O. Department would get much business, as the present prepaid express rate to California is only 8 cents per pound—unless, as is quite likely, the express companies profit by the opportunity to advance their rates.

Trusting that you and the other members of the committee, including Senator Bourne himself (to whom a copy of this letter is mailed) may realize the injury this bill would work upon your fellow citizens and also the protest that would be aroused should its passage be recommended, I remain,

Sincerely yours,

(Signed) W. ATLEE BURPEE.

W. Atlee Burpee & Co., Philadelphia, Pa.

### American Seed Trade Association.

#### THE BANQUET ADDRESSES.

In preceding issues we have given an extended account of the proceedings at the Chicago meeting of the American Seed Trade Association, closing last week with Toastmaster Stokes' opening address at the Hotel Sherman banquet Wednesday evening, June 26, and other speakers are reported as follows:

Mr. Barlow in response to this happy introduction gave an interesting account of what Chicago's Association of Commerce has done for the merchants of Chicago as well as for their patrons in expediting transportation so that shipments to points covered by Chicago's trade are now made at an immense saving of time through improved methods. Weekly bulletins are published showing the movement of cars, and the result of this has been to so stimulate the transportation companies that delays in deliveries have been reduced to a minimum and a saving of time effected which the speaker estimated to be worth over \$3,000,000 per day, if expressed in terms of interest charges. Northern points in Texas are reached in three days, southern points in the same state, four days. Delivery is made in the city of Jacksonville, Florida, on the fourth morning from Chicago. South Carolina points are reached within the fourth and fifth morning; Knoxville, Tennessee, second morning delivery; Jackson and Meridian, Mississippi, third morning delivery, etc. It is to be regretted

that space will not permit the publication of Mr. Barlow's remarks in full, but the work of his Association is unquestionably an object lesson which many other cities would do well to follow. Toastmaster Stokes congratulated the company upon the remarks which they had listened to and expressed pleasure that in Chicago they are finding a way to reduce delays in transportation. Now that some of the growers are going west this was especially good news. He announced that the remainder of the speeches of the evening would be from members of the Association, but he warned the speakers that they must not exceed the time limit of five minutes, and he called upon Fred Barteldes as one of the most able men in the room to hold the stop-watch.

In introducing the next speaker, Albert McCullough, President of the Wholesale Grass Seed Dealers' Association, and Chairman of the Membership Committee of the A. S. T. A., Mr. Stokes pleasantly referred to the fact that Mr. McCullough had enjoyed two terms of office as President of the American Seed Trade Association, but those terms were twenty years apart. It was difficult for the new members to believe that Mr. McCullough from his youthful appearance could have served two terms twenty years apart, and especially when they saw the active manner in which he moved about. It is especially embarrassing for the reporter to attempt to condense Mr. McCullough's speech in a few sentences, since the manner of the speech played as great a part as the actual language itself. As usual, Mr. McCullough made a pleasing impression and left his hearers in a good humor and ready to listen to the next man who came on.

J. C. Vaughan, another past president of the Association, was next called on, and spoke briefly as follows: "Mr. Toastmaster, ladies and gentlemen, it is something over twelve years, Mr. Green tells me, since the Chicago people had the pleasure of entertaining the American Seed Trade Association. They say that 'Absence makes the heart grow fonder.' I want to assure you in behalf of the Chicago people that while we much enjoyed your meeting, that is, those of us who remember it, at the Chicago Athletic Association some thirteen or fourteen years ago, we are enjoying tonight, I believe, as many times more that pleasure as the number of years intervening in having you all with us again, both the older members and all the younger and newer men who are coming on, together with the many ladies that are with us tonight." (Applause.)

"You know there is an old saying that they who go away are happier than those left behind; so I believe it is with those who entertain, they are more blest in the giving than those who receive. I want to assure you for the Chicago people that we are awfully glad to have you with us now, as we always are to have you here. I hardly know what I can say to you at this time. I must confess that the Vaughan family are never able to support more than one speaker at a time—I mean with oratorical power. At the Athletic Association banquet I had the honor of being your toastmaster, and at that time had the support of my better half, now sitting at my left, and of all the talent that I could secure from my young sons who were then at college. With this combined

support I managed to pull through that affair. Later on the Woman's Club became prominent in the west, and Mrs. Vaughan needed all the support she could obtain from the Vaughan family when she became President of the Woman's Club. Still later, at the last convention you made my son your president, and the Vaughan family rallied again to furnish you all that we could offer. So you surely must not expect much further from me." (Applause.)

Lester L. Morse of San Francisco, California, was next introduced by the toastmaster as one of the most popular members, and he told a story of his boyhood Sunday school days when he derived his first ideas of the New Jerusalem. When later on he visited the World's Fair in 1893 in Chicago and saw the magnificent creations of architectural genius there he could not help but connect them with his early impressions, and he had never been able since to separate the idea of Chicago from the New Jerusalem. He added that the California people of the Golden Gate hoped to borrow the New Jerusalem idea in their Panama Exhibition celebration in 1915, and he extended to the Association a very cordial invitation to come out to San Francisco and walk its golden streets on that occasion. He was glad to have had this experience of seeing how Chicago entertained and felt that they had set a pace that San Francisco would find it hard to equal, but they would do their best.

Toastmaster Stokes complimented Mr. Morse on the modesty of the Californians and called for a few airs from the orchestra to relieve the tension, and to smooth the way for "Happy Charlie," or Charles D. Boyles, of The Albert Dickinson Company, who, he declared, was equal to handling any subject from automobiles to onion sets. Mr. Boyles began his oration by a feeling reference to the uncertainties of the blue grass seed market, and having covered that subject he concluded that there was little else to say, and sat down. The toastmaster by way of variety next called for a representative of the canning industry, Thomas Scott of the Chisholm-Scott Company, Cadiz, Ohio, but there was no response, until finally the silence was broken by a voice which said "He beat it." The toastmaster inquired, "How about the other gentleman, Mr. Gorell?" And the same voice replied, "He is an also-ran." The toastmaster retorted: "We ought to have canned them."

Henry W. Wood of Richmond, Va., was called upon as a representative of the Sunny Southland, and in rising said that he had hoped to have remained one of the "silent majority." His heart had been cheered by the warmth of applause that had greeted an old familiar southern melody earlier in the evening, and he was sure that the pathos and beauty of the southern melodies always had a pronounced effect upon any audience. This led him further to the reflection that the Southern melodies had played a peculiar part in molding the character of the Southern people and giving to them that love of the sentimental which is their recognized characteristic. He believed that such music played its part in stimulating brotherly feeling and strengthening the social instinct. He referred in terms of commendation to the work that the Chicago Association of Commerce was doing as it had been recounted by Mr. Barlow earlier in

the evening, and believed that if similar work were done in Richmond that instead of its being a city of 172,000 population, it would in time rival the Chicago population of two million and a half. He felt that he had learned a great deal from Mr. Barlow, and hoped to be able to carry the good work back to his home city.

Arthur Bryan Clark, President of the Everett B. Clark Seed Company, was the next speaker. Mr. Clark referred in a happy manner to the hospitality enjoyed during the afternoon at the South Shore Country Club as one of the many manifestations of Chicago hospitality. He said that ever since the oratorical powers of Retiring President Vaughan had been demonstrated at Marblehead a year ago, when he cast such a poetic glamour over onion sets, he himself had felt outclassed and disqualified as an after-dinner speaker, and he deplored the fact that the company who were privileged to sit under the spell of such orators were to be subjected to the feeble imitation thereof that he himself could present. He felt like emulating the example of the gallant young gentleman in a crowded street car when there entered a very corpulent lady, and the young man promptly rose and announced: "I will be one of three to give the lady a seat!" Mr. Clark referred to the harmony characterizing the deliberations of the American Seed Association which stood out in sharp contrast with the recent political convention in Chicago and the one then on at Baltimore. He drew a parallel between the early pioneer who broke the ground, the militiamen who protected the early settlements and the legislators who formed the political autonomy of the early commonwealths of this country, to the grower, the dealer and the planter.

The grower was the pioneer who in the face of great hardships and harassed by the vagaries of the weather clerk brought the seed to perfection. The dealer was the soldier who fought the good fight of trying to make the seeds of the grower satisfactory to the planter. He wasn't quite sure what the parallel was between the lawmaker and the planter, but the lawmaker had planted our institutions firmly in the political soil of the new world just as the planter must plant the seeds that he obtains from the dealer. Mr. Clark closed by referring to the great value of the Association's work in bringing isolated seedsmen together and teaching them to interchange ideas and experiences and to get out of the notion that ideas will ever grow so long as they are kept in the innermost recess of the mind. They must be planted in the soil of social environment before they will fructify, following out the Biblical injunction, "Give and it shall be given unto you." It is a good thing to get together and engender, Mr. Clark said, what Mr. Wood referred to as brotherly feeling. Certainly nothing but good could come from such experiences.

Theodore Cobb was the next speaker. Mr. Cobb, in rising, said that he was generally seen and not heard, and that the talking for his firm was generally done by their worthy secretary, who had a reputation as a silver-tongued orator. (Needless to say, Mr. Cobb referred to Kirby White.) He then paid his respects to the beautiful ladies and their gallant escorts, and wound up with an Irish story which was received with laughter.

L. L. May, of St. Paul, Minnesota, made the next response, and paid a tribute to the royal entertainment extended by the Chicago seedsmen, which he said had got him to wondering as to what the "overhead charges" were. He only regretted that Mrs. May had been prevented by illness from participating in the pleasure of the automobile ride, banquet, and other delightful functions, but she had commissioned him to express her regrets and she would enjoy the pleasure second-hand when he got home to relate his experiences to her. His son was also unable to be present, but he had with him his youngest sister, who was enjoying the occasion greatly, and joined with him in appreciation of Chicago hospitality.

The toastmaster now complained that he was having difficulty in checking the flow of oratory. It was easy to turn it on, but somewhat hard to shut it off, yet he was fearful that he could not, owing to the lateness of the hour, call on all whom he would like to. He insisted, however, on hearing from E. L. Page, the immediate past president of the organization. Mr. Page declared that he would with great regret surrender his allotted five minutes to his successor, President Vaughan. Mr. Vaughan declared that he had already made his speech and gave way to Kirby White. Mr. White swore that Mr. Vaughan had spent four hours in preparing his speech and that Theodore Cobb had been preparing for the occasion for a year, and that he didn't believe he could add anything to what had been said by those two able gentlemen. The toastmaster yielded gracefully to the situation, and after complimenting the company upon their exceeding patience and courtesy to the speakers announced that the exercises of the evening would close with a standing vote of appreciation for the magnificent hospitality of the Chicago hosts. The company thereupon rose and drank a toast to the Chicago seedsmen, and the toastmaster rang down the curtain on a most pleasurable and enjoyable function.

#### Vice-President Holmes.

Harry Leonard Holmes, vice-president and general manager of the Holmes Seed Company, Harrisburg, Pa., and the newly elected first vice-president of the American Seed Trade Association, was born in Pittsburgh, Pa., April 10, 1859. His early years were passed in the city of Pittsburgh, where his father was paying teller in a bank. In 1876 he moved to Philadelphia, where for a time he was engaged in the printing trade. In 1878 he entered the employ of W. Atlee Burpee. He filled various positions until he became manager of this house and continued in Mr. Burpee's employ until 1895, when he went to Harrisburg and established a little seed business of his own at Second and Chestnut streets. This business was incorporated in 1902. With Mr. Holmes as general manager it has grown and grown and then grown some more and is still growing, so that from the initial business during the first year of \$10,000.00 it will require to correctly estimate the business during 1912 six figures on the proper side of the decimal point. A picture of Mr. Holmes graces the opening of this little sketch, and proves that truthfulness and honor that are in evidence in this picture have been the fundamental reasons for the

enviable success in this business which has been achieved almost solely by his own efforts. Mr. Holmes is a bang-up salesman, and an affable, courteous gentleman—a true friend and a man of the first grade of ability in the seed business. His success as the head of the business which bears his name is in all probability prophetic of what he will endeavor to accomplish for the American Seed Trade Association as its vice president.

#### Spring Business.

Fottler, Fiske, Rawson Co., Boston.—We wish to say that there is no comparison whatever in the seed business of 1912 and 1911, as this year it greatly exceeds that of 1911 in the orders by mail, cash over the counter, and the charge accounts on our books. We are well pleased with this season's business.

Burnett Bros., New York.—Our business has been very satisfactory. At the present time we can not say what our increase over last season has actually been but feel that it has been considerable.

Miss Mary E. Martin, Floral Park, N. Y.—Business was a little slow in January and February, but March, April and May did very good. In 1911 we got it a little earlier.

#### Washington

##### STORM BREAKS HOT SPELL.

Extremely hot weather prevailed during the past week, but it was to some extent broken on the night of July 14 by a violent storm. So great was the rainfall that railway traffic into the city was for the time being made unsafe. In some fields and gardens situated on sloping ground there was damage from washouts to crops. There was considerable funeral work during the last week and a few weddings and luncheons that called for decorative work. There is a fair amount of stock of all kinds and the asters are now beginning to come in. In roses American Beauty and Radiance seem to have the call in the matter of usefulness.

##### NOTES.

J. H. Cameron, for the past six years a trusted employe of the U. S. Botanic Garden, has accepted a position with the Argentine Republic and will soon sail for Buenos Aires, where he will work in the experiment office of the Botanic Garden.

C. Leslie Reynolds, favorably mentioned in our notes of last week as successor to W. R. Smith, received the appointment July 13, and is now superintendent of the United States Botanic Garden. A. F. F.

#### Westchester and Fairfield Hort. Society.

The regular meeting of the society was held in Greenwich Friday, July 12. Two members were elected and two propositions received. Sweet peas were in evidence and exhibitors were awarded a vote of thanks. The annual outing of the society will take place August 7 at Edward's Hotel, Rye Beach. Particulars and tickets can be procured until July 25 from the outing committee secretary, W. J. Sealey, Port Chester, N. Y.

OSCAR E. ADDOR, Cor. Sec'y.

INDIANA, PA.—S. Taylor Shaffer and Earl H. Snyder both of Punxsutawney have purchased land near here on which they will erect four commercial greenhouses. Two will be built this fall and two more next spring. Each will be 30x150 feet.

# PANSY SEED

Giant Strain, Home-Grown.  
50c per trade pkt.; \$1.50 per 1/4 oz.; \$5.00 per oz.  
Cyclamen Seed English strain, best obtainable \$1.00 per 100;  
\$9.00 per 1000. Write us.

**S. S. SKIDELSKY & CO.,**  
1215 Betz Building, PHILADELPHIA, PA.

# Oklahoma Seed Growers' Co.

Contract Growers of  
Watermelon and Muskmelon Seeds  
For the Wholesale Trade only  
Enld. - - Oklahoma

# S. M. Isbell & Co.,

Jackson, Mich  
CONTRACT SEED GROWERS,  
Bean, Cucumber, Tomato, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

# Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:  
Cucumber, Musk and Watermelon, Pump-  
kin, Squash, Sweet and Field Corn,  
Fremont, - Nebraska

# J. Bolgiano & Son

Wholesale Field and Garden Seeds.  
Established 1818. Write for our low prices.  
Light, Fruit and  
Silicoit Sts., Baltimore, Md.

# ROUTZAHN SEED CO.

Arroyo Grande, Calif.  
Sweet Pea and Nasturtium Specialists  
Wholesale Growers of full list of  
FLOWER and GARDEN SEEDS

# MANN'S Lily of the Valley

are the finest in existence and their flowers  
bring the best prices on the London mar-  
ket For quotations please apply to  
OTTO MANN, Leipzig, Saxony, Germany

# Lawn Grass Seed

WHOLESALE ONLY.  
J. OLIVER JOHNSON,  
1876 Milwaukee Ave., CHICAGO

# Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.  
CARPINTERIA, CALIF.  
Mention the American Florist when writing

# BEANS, PEAS, RADISH and all Garden Seeds

# LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO.

ONION SETS

GROWERS FOR THE TRADE  
Write for Prices.

# SEED PACKETS

WRITE FOR SAMPLES AND PRICES.

# THE BROWN BAG FILLING MACHINE CO., Fitchburg, Mass.

# Lily of the Valley from Cold Storage Order Now

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.  
Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

# H. N. Bruns, 3032-3042 Madison St., Chicago

# FREESIAS TRUE PURITY



Mammoth, 3/4-in. and up. .... \$25.00  
Extra Size, 1/2 to 3/4-in. .... 20.00  
First Size, 3/8 to 1/2-in. .... 17.50

# Vaughan's White Seedling

Pure White, Per 100 Per 1000  
long stem variety.... \$2.00 \$15.00

# Vaughan's Seed Store, CHICAGO. NEW YORK.

# Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant,  
Tomato, Vine Seed and Field Corn.  
EDGAR F. HURFF, Mullica Hill, New Jersey.  
Correspondence Solicited.

GET QUOTATIONS FROM

# LANDRETH

SEEDS which SUCCEED  
Bloomsdale Farm. Bristol, Pa.

# Godfrey Callas

2 1/2-inch, strong. .... \$4.00 per 100; \$35.00 per 1000  
3-inch, strong. .... 5.00 per 100; 45.00 per 1000  
Cash with order from unknown correspondents.

# PATTEN & CO., Tewksbury, Mass.

# The Early Advertise- ment Gets There.

# John Bodger & Sons Co.

Los Angeles, California  
Wholesale growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Asters,  
Cosmos and other Flower Seeds



# H. WREDE, LUNEBURG, GERMANY PANSY SEED

178 First Prizes, the highest awards  
Chicago, Paris, London, Bruxelles,  
1000 seeds, finest mixed.... 25c  
1 oz. .... \$2.25

Price list on application. Cash with order.

# TOMATO SEED

Best Stocks. All Varieties.  
THE HAVEN SEED CO.  
Growers for the Wholesale Trade Only,  
SANTA ANA, CALIFORNIA.

# THE C. HERBERT COY SEED CO. VALLEY, Douglas County, Neb.

Contract Growers of  
High Grade Seeds  
Cucumber, Muskmelon, Squash and Pumpkin,  
Sweet, Flint and Dent Seed Corn

# Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,  
Vine Seed and Field Corn.  
Correspondence Solicited.  
George R. Pedrick & Son,  
PEDRICKTOWN, N. J.

# Japanese Lilies

Spec. Album, 9 in.-11 in. .... per 100.. \$13.00  
" Rubrum, 9 in.-11 in. .... per 100.. 9.00  
" Melpomene, 9 in.-11 in. .... per 100.. 9.50  
Tuberose, Double, pearl, 4 in-6 in., \$3.00 per 1000.

# WEEBER & DON Seed Merchants and Growers.

114 Chambers Street, NEW YORK, N. Y.

# California CALLA Bulbs

Place your order in time to secure your wants  
in this stock.  
Callas are still scarce and the quantity is limited.  
Write for prices.  
Write for prices on Dutch Bulbs,  
M. M. CARROLL, Norwood (Cinti.), O.



## “Superb Quality” SEEDS FOR FLORISTS

The Storrs & Harrison Co's  
**SUPERB MIXTURE OF GIANT PANSY SEED**

is the very best that Pansy Specialists can produce, carefully mixed and blended. **Positively** no better seed can be had at any price.

Trade Packet, 50c; ¼ ounce, \$1.25; Ounce, \$4.00.

All other strains and named varieties. See our Trade List for prices.

**Cineraria Grandiflora**, “Superb Quality,” mixed colors, Trade pkt. \$1.00.

**BELLIS PERENNIS** (English Daisy)

Longfellow (red), Snowball (white), Tr. pkt. 88c; mixed colors, Tr. pkt. 25c.

**All Other Seasonable Seed.**

Annual and Perennial of “Superb Quality.”

**THIS “TRADE MARK”**

Stands for 58 years of Satisfactory Service.

**THE STORRS & HARRISON CO.**

PAINESVILLE, OHIO.



## Paper Whites

(First Shipment)

**ARE AFLOAT**

Due in New York about July 22.

**FREESIAS** HERE AND COMING ALONG

**Order Now**

Send in Your Supply Orders, Moss and Fertilizers orders to go Along and Save Freight.

**Vaughan's Seed Store,**

CHICAGO. NEW YORK.



## “The Kenilworth Strain” of Giant PANSY Seed

Must Not be Compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers of 3½ to 4 inch s are of perfect form; every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The stock plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany and many others too numerous to mention. **Light, Medium or Dark Mixtures.**

**1912 SEEDS NOW READY** 2000 seeds, 50c; 5000 seeds, \$1.00; ¼ ounce, \$1.25; ounce, \$5.00.

Read what growers say about my strains of pansy seed in the AMERICAN FLORIST of July 6th, page 1435.

Pansies in Separate Colors.

- |                                                                          |            |
|--------------------------------------------------------------------------|------------|
|                                                                          | 1000 seeds |
| Giant Adonis, beautiful light 'blue.....                                 | 25c        |
| Giant Emperor William, ultramarine blue.....                             | 25c        |
| Giant King of the Blacks, coal black.....                                | 25c        |
| Giant Lord Beaconsfield, violet shading to white.....                    | 25c        |
| Giant Golden Queen, yellow.....                                          | 25c        |
| Giant Golden Yellow, fine large flower.....                              | 25c        |
| Giant Masterpiece, beautifully ruffled, with a wide range of colors..... | 25c        |
| Giant White, very fine.....                                              | 25c        |
| Giant White, with large violet center.....                               | 25c        |
| Giant Red, a fine mixture of red shades.....                             | 25c        |
| Giant Royal Purple, fine large flower.....                               | 25c        |
| Giant Orchid Flowering, rare shades.....                                 | 25c        |
| Giant Bronze and Copper Shades.....                                      | 25c        |
| Giant Light Blue, delicate shades of blue.....                           | 25c        |

Giant Dark Blue, deep blue shades.....25c

Giant Zebra Mixed Shades, striped.....25c

The preceding 16 colors mixed in equal proportions. 1000 seeds, 25c; any 5 packets, \$1.00; any 11 packets, \$2.00.

The **Rainbow** blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

**Chas. Frost**  
Kenilworth,  
N. J.

## Ferns In Flats

Well Established—Clumps Can Be Divided

The following varieties are offered for early shipment by express:

- |                  |                             |
|------------------|-----------------------------|
| Pteris Wimsetti  | Pteris Adiantoides          |
| Pteris Wilson    | Pteris Wimsetti Multiceps   |
| or Nobilis       | Pteris Serrulata Variegata  |
| Pteris Mayii     | Cristata                    |
| Pteris Hastata   | Pteris Cretica Albo-Lineata |
| Pteris Magnifica | Cyrtomium Falcatum          |
| Pteris Serrulata | Aspidium Tsussimense        |

\$2.00 per flat—20 flats or more \$1.75 per flat. Price F. O. B. New York (no cartage). Terms 30 days net cash, approved credit.

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For Best Results.

## SURPLUS STOCK

Cheap for Cash.

- |                                                                         |         |
|-------------------------------------------------------------------------|---------|
| 200 Hydrangea Thos. Hogg, strong 4-inch.....                            | 7c each |
| 100 Bougainvillea Glabra Sanderiana, strong 4-inch.....                 | 25c     |
| 150 Euphorbia Splendens, 2-inch.....                                    | 4c      |
| 200 Hibiscus, assorted colors, strong.....                              | 10c     |
| 500 Ferns, Whitmani, Amerpohli, Tarrytown, strong 2 and 2½-inch.....    | 4c      |
| 700 Rubber Plants, Belgica and Pandurata, very cheap; write for prices. |         |

**Abele Bros., New Orleans, La.**

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PROF. CRAIG.

**Budding Knife Free. See Page 1532**

# Boddington's "Quality"

## Christmas=Flowering Sweet Peas

### WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will be scarce this season. Some varieties are a total failure owing to the exceptional season in California this Spring. Our advice to intending planters is to order at once.

Mr. William Sim, Cliftondale, Mass., the great sweet pea specialist sows our seed almost exclusively.

Our stocks of Christmas-flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliness of blooming period and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California grower and specialist in Sweet Peas.

Our output last year was nearly 3,000 lbs. Few kicks and plenty of testimonials as to quality, germination and trueness to type.

The varieties preceded by \* we can make immediate delivery.

## THE BEST FORCING SWEET PEAS

**\*BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD.** An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year; name on application. Oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts.,  $\frac{1}{2}$  lb. \$1.25, lb. \$2.00.

**BODDINGTON'S CHRISTMAS PINK.** This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz. 15 cts.,  $\frac{1}{4}$  lb. 50 cts.,  $\frac{1}{2}$  lb. 85 cts., lb. \$1.50.

**\*BODDINGTON'S CHRISTMAS WHITE.** A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts.,  $\frac{1}{4}$  lb. 50 cts.,  $\frac{1}{2}$  lb. 85 cts., lb. \$1.50.

**ANGELINO.** Self pink; new variety. Oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.50,  $\frac{1}{2}$  lb. \$2.75, lb. \$4.50.

**CANARY.** Similar to the above, but flowers of an exceptionally good yellow. Oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.00,  $\frac{1}{2}$  lb. \$1.75, lb. \$3.00.

**CHRISTMAS CAPTAIN.** Blue and purple. Oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts.,  $\frac{1}{2}$  lb. \$1.25, lb. \$2.00.

**CHRISTMAS METEOR.** Scarlet; fine open red flower. Oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.00,  $\frac{1}{2}$  lb. \$1.50, lb. \$2.50.

**CHRISTMAS STELLA MORSE.** Creamy buff standard, wing slightly tinged with pink. Oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.50,  $\frac{1}{2}$  lb. \$2.75, lb. \$4.50.

**FLAMINGO.** Color scarlet; free-flowering and early. Oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.50,  $\frac{1}{2}$  lb. \$2.75, lb. \$5.00.

**\*FLORENCE DENZER.** Pure white. Oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts.,  $\frac{1}{2}$  lb. \$1.25, lb. \$2.00.

**\*LE MARQUIS.** This is the same color as Princess of Wales, violet; has very large flowers. Oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts.,  $\frac{1}{2}$  lb. \$1.25, lb. \$2.00.

**\*MRS. ALEX WALLACE.** Lavender; very scarce. Oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.00,  $\frac{1}{2}$  lb. \$1.50, lb. \$2.50.

**MRS. CHAS. H. TOTT.** Sky-blue. Oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts.,  $\frac{1}{2}$  lb. \$1.25, lb. \$2.00.

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**MRS. GEO. LEWIS.** Large, pure white, wavy flower. Oz. 15 cts.,  $\frac{1}{4}$  lb. 50 cts.,  $\frac{1}{2}$  lb. 85 cts., lb. \$1.50.

**MRS. E. WILD.** Carmine or dark pink. Oz. 15 cts.,  $\frac{1}{4}$  lb. 50 cts.,  $\frac{1}{2}$  lb. 85 cts., lb. \$1.50.

**MRS. HANNAN.** Deep rose-pink; very pleasing shade. Oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.25,  $\frac{1}{2}$  lb. \$2.00, lb. \$3.50.

**MRS. W. W. SMALLEY.** Satiny pink. Oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.00,  $\frac{1}{2}$  lb. \$1.75, lb. \$3.00.

**\*MRS. WILLIAM SIM.** Salmon-pink. Oz. 30 cts.,  $\frac{1}{4}$  lb. \$1.00,  $\frac{1}{2}$  lb. \$1.50, lb. \$2.50.

**MRS. ZVOLANEK.** Blue, variegated. Oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.50,  $\frac{1}{2}$  lb. \$2.75, lb. \$5.00.

**MISS HELEN M. GOULD.** White, open flower; standard lilac, marbled. Oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts.,  $\frac{1}{2}$  lb. \$1.25, lb. \$2.00.

**\*MISS JOSEY REILLY.** Lilac; very large flowers. Oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts.,  $\frac{1}{2}$  lb. \$1.25, lb. \$2.00.

**WALLACEA.** Fine lavender; a grand florists' variety. Oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.50,  $\frac{1}{2}$  lb. \$2.75, lb. \$5.00.

**\*WATCHUNG.** Pure white. Oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts.,  $\frac{1}{2}$  lb. \$1.25, lb. \$2.00.

**WM. J. STEWART.** Blue self. Oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts.,  $\frac{1}{2}$  lb. \$1.25, lb. \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

5 per cent may be deducted if cash accompanies the order.

**ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK**

# CHRYSANTHEMUMS

In order to make room, we offer the following first class stock of Chrysanthemums at the following prices:

|                                              |                 |               |                                                                        |
|----------------------------------------------|-----------------|---------------|------------------------------------------------------------------------|
| Bonnafon                                     | Pacific Supreme | October Frost | Linwood Hall, Yellow Eaton and White Chadwick.                         |
| Enguehard                                    | Byron           | Intensity     | From Sand, \$1.50 per 100; \$12.50 per 1000.                           |
| Balfour                                      | Golden Glow     | Tousett       | October Frost, Intensity, Enguehard, Linwood Hall, Halliday, Pockett's |
| Halliday                                     | Poechlmann      | Amorita       | Crimson and Crocus.                                                    |
| Pockett's Crimson                            |                 |               | From pots, \$2.00 per 100; \$15.00 per 1000.                           |
| From Sand, \$1.25 per 100; \$10.00 per 1000. |                 |               |                                                                        |

**J. D. THOMPSON CARNATION CO.,** Carnation Specialists, **Joliet, Ill.**

## The Best Color Chart

For Florists, Seedsmen and Nurserymen:

ERFURT, GERMANY, May 9, 1911.  
AMERICAN FLORIST CO.,  
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the  
American Florist Co., 440 S. Dearborn St.  
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PRICE, ONE DOLLAR, POSTPAID.

## HYDRANGEAS For July and August Flowering.

We have a large stock of very fine plants, well set with buds, which will show color early in July, and will be in perfection during July and August—the months when they are most in demand for summer decoration at watering places, etc. Our stock is large, so that we can supply plants in carload lots, if wanted. Plants in ordinary butter tubs, \$2.00 and \$3.00 each; if wanted in new cedar tubs, painted green, with iron handles, \$1.00 each additional. When ordering, state whether wanted in butter tubs or new cedar tubs. Extra large specimens in half barrels, \$5.00 and \$7.50 each.

### Large Specimen Ferns.

We have a magnificent stock of exceptionally fine *Nephrolepis* in the following varieties, viz.:

**Elegantissima**, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.

**Harrisii**, extra choice form of *Bostoniensis*, 12-in. pots, extra fine specimens, \$7.50 to \$10.00 each.

**Bostoniensis**, 10-in. pots, extra fine specimens, \$4.00 to \$5.00 each.

**Giatrasi**, 8-in. pots, \$1.00 each; 10-in. pots, extra fine specimens, \$3.00 each.

**Scottii**, 10-in. pots, extra fine specimens, \$2.50 each.

**Viridissima**, 10-in. pots, \$2.00 to \$3.00 each.

**Magnifica**, *Muscosa*, **Elegantissima Compacta**, 3½-in. pots, 25c each.

**Giatrasi**, 3½-in. pots, 15c each.

### Phoenix Roebelenii.

The finest and most graceful of all palms. Hardest for summer decoration. Ironclad. Does splendidly out of doors. Fine specimens in new 12-in. tubs, \$5.00 each.

### Crotons.

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

### Cold Storage Lily of the Valley.

Very finest quality obtainable. Packed in cases of 500 and 1000.

### Cold Storage Lillium Giganteum.

7-9 in. bulbs; case lots of 300.

### Asparagus Plumosus Manuss, 2¼-in. pots, \$4.00 per 100.

Small Ferns for Fern Fans, assorted, 2¼-in. pots, \$3.50 per 100.

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We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy lilies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

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## CHINESE PRIMROSES

Very best strain, 2½-in. pots, \$3 per 100, \$25 per 1000.

**Asparagus Plumosus**, for planting out, extra heavy 3-in., \$6.00 per 100; \$55.00 per 1000.

**FRANK OECHSLIN,**  
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## Vegetable Plants

**Cabbage**, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

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## TO THE TRADE ONLY

**Asparagus Plumosus and Sprengeri**  
Seed or plants in any quantity.

**Plumosus seed**.....\$1.50 per 1000  
**Sprengeri**......50 per 1000

Plants according to size and quantity ordered. Write for wholesale prices.

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LOS ANGELES, CAL.

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# ORCHIDS

Freshly Imported and in Fine Condition, and which we offer at the following wholesale prices:

**Cattleya Mossiae**.....per case, \$40.00

**Cattleya Schroederae.** This is our fine, large, pleasing type. ....per case, \$55.00

**C. Harrisonioe Violacea**, late summer-flowering variety, strong plants.....\$150.00 per 100

**Oncidium Varicosum Rogersii**, extra fine plants, small quantity left, only.....\$150.00 per 100

We have also about 25 cases of an extra fine type of **Cattleya Trianae**, with finer flowers, and will yield 50 per cent more flowers than the ordinary type to the shoot. The cheapest we can sell these is \$50.00 per case, but they are cheaper at that than the common are at \$40.00.

**LAGER & HURRELL, Summit, N. J.**

## Own Root and Grafted ROSE PLANTS

1,200 Brides, 2¼ in. pots.

1,000 My Maryland, 2¼-in. pots.

2,000 Richmond, 2¼-in. pots.

1,700 White Killarney, 2¼-in. pots.

1,500 Perles, 2¼-in. pots.

The above OWN ROOT stock we offer for immediate delivery at \$5.00 per 100.

RUSH YOUR ORDERS.

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Type of  
Giant  
Vaughan's  
Pansies.

**VAUGHAN'S "GIANT MIXTURE."**

Embraces besides all the separate shades and colors five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau and the splendid Cassier strain. Trade pkt., 25c; 1/8 oz., 60c; oz., \$4.00; 1/4 lb., \$14.00.

**"International Mixture."**

The World's Best.

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; 1/8 oz., \$1.50; 1/2 oz., \$5.00; oz., \$10.00.

**"Cut Flower Mixture."**

Put up by ourselves and contains mostly light colored sorts. Our Chicago cut flower growers have realized big returns from flowers grown from this mixture. Pansies require less care and bring better returns than violets. Trade pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$2.00; oz., \$8.00.

**GIANT PANSIES—Named Sorts.**

|                                               | Trade Pkt. | 1/8 oz. | Oz.    |
|-----------------------------------------------|------------|---------|--------|
| Masterpiece, new Giant curled.                | \$0.25     | \$0.60  | \$4.00 |
| Yellow, immense flowers with dark eye.        | .10        | .20     | 1.00   |
| White, very large, with violet eye.           | .10        | .20     | 1.00   |
| Beaconsfield, light lavender and deep purple. | .10        | .20     | 1.00   |

|                                              | Trade Pkt. | 1/8 oz. | Oz.    |
|----------------------------------------------|------------|---------|--------|
| Golden Queen, clear golden yellow.           | \$0.10     | \$0.20  | \$1.30 |
| Mme. Perrel, lovely shades of pink and rose. | .10        | .25     | 1.50   |
| Aurora, pure white, without blotches.        | .10        | .20     | 1.00   |
| Black, large true black.                     | .10        | .20     | 1.00   |

**CALCEOLARIA.**

Vaughan's Extra Choice Mixture. Composed of the choicest selection of tigered, marbled, spotted and variegated varieties. Trade pkt. (1000 seeds), 50c; 3 trade pkts. for \$1.40.

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Vaughan's Columbian Mixture. Made up by ourselves of choicest English, French and German strains; unsurpassed in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt. (500 seeds), 50c; 3 trade pkts., \$1.40.

**PRIMULA.**

Vaughan's International Primula Mixture. Composed of most salable colors of single flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors for variety, the most important shades predominating. Pkt. of 350 seeds, 50c; per 1-16 oz., \$4.00.

**Asparagus Hatcherii.**

The New Variety.

Our trials of this at Western Springs justify us in endorsing it as the coming decorative plant. Our prices for the new crop seed:  
100 Seeds.....\$1.50    500 Seeds.....\$ 5.25  
250 Seeds..... 2.85    1000 Seeds..... 10.00

**English Giants.**

NINE NAMED SORTS.—Prices: 100 seeds, \$1.00; 1000 seeds, \$8.00 net.

**German Giants.**

FIVE NAMED KINDS.—Prices: 100 seeds, 65c; 1000 seeds, \$5.00.

EXTRA CHOICE MIXED.—Per 100 seeds, 50c; 250 seeds, \$1.15; 1000 seeds, \$4.50; 5,000 seeds, \$20.00.

**Orchid Giants.**

FIVE NAMED SORTS.—Prices: 100 seeds, 85c; 1000 seeds, \$7.00.

GIANT ORCHID-FLOWERED CYCLAMEN in choicest mixture. 100 seeds, 80c; 1000 seeds, \$6.50.

Our List of "Seeds for Summer Sowing" Now Ready. Write for a Copy.

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**Vaughan's**

**Pansy**

**Seed**

for Florists

Has Held

First

Place

in the

Trade

for over

20

Years

**New Seed Now Arriving.**

**Chrysanthemums**

Strictly First-Class Stock

Amorita, Col. D. Appleton, Smith's Advance, Major Bonnation, Mrs. H. W. Buckbee, John Barton, Winter Cheer, Comoleta, W. H. Chadwick, Golden Chadwick, Donatello, Diana, Maud Dean, Helen Frick, Roman Gold, Lynnwood Hall, Ivory, Pink Ivory, Yellow Ivory, Iva, Mrs. J. Jones, Yellow Mrs. Jones, Klondike, Nagoya, Patty, Virginia Poehlman, Chas. Razer, Rufus, Pres. Roosevelt, Roserie, Mrs. H. Robinson, M. Loiseau-Rousseau, Pacific Supreme, Early Snow, Skibo, Yellow Touse, Golden Wedding, Yanoma, Zenobia.

From 2-in. pots, \$3.00 per 100, \$25.00 per 1000.

Fairy Queen, Hartje & Elders pink Pompon for 1912.

From 2-in. pots, \$2.00 per ten; \$15.00 per 100.

Chrysolora, from 2-in. pots, \$5.00 per 100; \$45.00 per 1000.

Anemones, Pompons and Singles.

**ELMER D. SMITH & CO.,** ADRIAN, MICH.

Clematis Paniculata, strong 2-year old plants, \$10.00 per 100.

Polnsettias, from 2 1/2-in. pots, \$5.00 per 100; from 3-in. pots, \$6.00 per 100; from 4-in. pots, for specimen plants, \$1.00 per dozen.

Althernantheras, red and yellow, 2-in. pots, \$2.00 per 100.

Stevias, tall dwarf, variegated from 2-in. pots, \$2.00 per 100.

Cosmos, early flowering varieties, 2-in. pots, \$2.00 per 100.

**C. EISELE,**

111h & Westmoreland Sts., Philadelphia, Pa.

**Am. Beauties**

Choice 2 1/2 inch, \$5 per 100; \$45 per 1000

**THE LEEDLE FLORAL COMPANY,** SPRINGFIELD, OHIO.

**A FEW GOOD THINGS YOU WANT.**

Geraniums, Nutt. Buchner, Ricard, Perkios, Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100. Boston Ferns, 5-in., 25c each. Whitmani Ferns, 4-in., 25c. Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100. Vinca Var., 2-in., 2c. Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus Plumosus, 2-in., \$3.00 per 100. Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

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

Mention the American Florist when writing

**DAHLIAS**

The best New and Standard varieties. Send for Wholesale Price List.

**BASSETT & WELLER** HAMMONTON, N. J.

## Market Gardeners

### Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.

ON June 29 at the London docks seasonable shipments of mushroom spawn were being held up, with a prospect of from two to three weeks delay.

### Prices of Indoor Fruits and Vegetables.

Chicago, July 15.—Mushrooms, 25 cents to 40 cents per pound; lettuce, 20 cents to 25 cents per box; cucumbers, 35 cents to 45 cents per dozen.

### The Striped Melon Bug.

This is a formidable enemy; in fact he is the hardest insect to control we have to deal with. He is alert and cunning, as sly as a fox, and has a tendency to colonize which makes him very destructive. We wish to emphasize at this time that the wilt disease of melons, cucumbers and squashes is attributed to these bugs, as they lay their eggs at the root of the plants and the resulting worm enters the stem and cuts off sap circulation. We must therefore fight this enemy if we want success with vines. Of all the remedies we have tried the best is air-slaked lime and good fresh tobacco dust mixed half and half. We use this with the hand, throwing it forcefully into a hill, the aim being to unsettle the bugs and get the powder on their underside. By using this mixture faithfully we can drive the bug off the place and later on we use pure tobacco dust around the root to kill any of the worms that may have hatched. The greatest danger is in rainy weather, which washes our dust off, and allows the bugs a chance to pounce down and do much damage in a remarkably short time. We have known growers using a cheese cloth or wire cloth cover for each hill to be on the safe side.

MARKETMAN.

### Baltimore.

#### PREPARING FOR FALL.

The hot wave has done much to subdue business in this locality. The one thought is to be comfortable these stifling days—the thermometer is around 95°. Not much in the way of entertainment is going on. Card parties and swimming parties do not call for many flowers. But the season has been rather longer than usual. The cool weather in the early summer kept up the sale of flowers and also kept the flowers in good condition. Many of our florists are getting ready now for autumn—drying off the plants and resting them up preparatory to tying down and pruning them into shape. By this I mean those that are going to carry their plants over another year in the same beds. Carnations are looking fine in the fields. Many are planting them in the houses now.

#### NOTES.

About twelve or fourteen florists and their families will attend the Chicago convention in August. All expect to have a royal time. This time last season Baltimore was thinking about the convention which was held here and which was enjoyed by

the home people and we hope by the visiting delegates also. We hope we may be honored again before long.

H. F. Michell, of the Henry F. Michell Co. of Philadelphia, visited the florists in this community last week.

The florists' club of Baltimore go on their outing July 18, by boat to Chesapeake City. B.

### Cleveland.

#### LITTLE CHANGE IN MARKET.

Market conditions have varied but a trifle since last week's report. Stock is still very plentiful and the demand none too good. However, sweet peas and carnations have been in better demand the latter part of the week than for some time. A few asters are arriving, but most of them are short stems. The following is a part of the week's offerings on the local market: Candidum lilies (storage stock), Easter lilies, water lilies (all colors), peonies (storage stock good), sweet peas, swainsonia, lily of the valley, roses (all colors), carnations (all grades and colors), Salpiglossis, Centuria, yellow daisies (blackeyed Susans), Scabiosa, Canterbury bells, asters, dagger and fairy fern, adiantum and asparagus plumosa and sorengeri.

#### NOTES.

John Kirchner, Tim Smith, Charles Kirchner and George W. Smith motored to Akron in the Smith machine Wednesday. While there they were the guests of Henry Heefe and brother. They visited the lakes and camping places around Akron and had a very enjoyable time, returning late at night.

Miss Evans, of the Cleveland Cut Flower Co., is away on a long vacation, visiting Oregon and other western points.

The city of Cleveland is advertising for bids for greenhouses to be erected at the Warrensville farm.

Chas. Graham and family are motoring in Canada on an extended vacation.

F. Burger is the latest addition to the auto squad. B.

### The Manufacturer Says.

In a paper read by Prof. Taubehaus of the Delaware Agricultural Experimental Station on sweet pea diseases, before the meeting of the American Sweet Pea Society in Boston, on Saturday last, he stated that while he had tried many remedies to control what is commonly known as wilt and mildew which affects the sweet peas, he had, however, not yet found anything which would give satisfactory results as a cure.

The writer approached the speaker after the meeting to inquire of him whether he had ever tried the fungicide Fungine. He admitted that he had never heard of it until that day,

but had been approached by several gardeners who had spoken favorably of this product and told him of their results obtained, and he expressed a willingness to try out this material to learn for himself of the merits of Fungine.

I will say Fungine is used today by men who have been prize-winners at the two important sweet pea shows, here in the East, and who do not hesitate to endorse it highly for the blights which at times overtake the sweet pea plants.

You undoubtedly will give space to the article read by Prof. Taubehaus, and I ask that you give some space to this communication to avoid any misapprehension going abroad that there are no remedies today for the sweet pea diseases. I do not believe that it was the speaker's intention to create this impression, but what he really meant was that he had not yet come across a remedy. I believe that after his next year's experiments he will readily report otherwise.

M. C. EBEL.

### National Association of Gardeners.

The summer meeting of the board of directors of the National Association of Gardeners was held in Horticultural Hall, Boston, Mass., July 13. After disposing of the routine business before the session and deciding on holding the annual convention during the early part of November, the exact date and place to be announced later, adjournment followed to enable the members of the National Association present to attend the meeting of the American Sweet Pea Society, to which they had been earlier invited. In the evening the members were entertained at an informal banquet, together with the members of the Sweet Pea Society, by the Gardeners' and Florists' Club of Boston. On Sunday, the day following, the members of the association were the guests of the Boston Park commission. Automobiles were provided and a tour of the city's parkways and parks with a visit to the Arnold Arboretum took up most of the day. The newly-elected superintendent of parks, James P. Shea, entertained the visitors at luncheon at one of the park inns. Our members returned to their homes impressed with Boston's hospitality.

M. C. EBEL, Sec'y.



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|-------------------------------|------------------|---------|---------|
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| 45 in.                        | 26 in.           | 7 50    | 14.00   |
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| Stems                         | Crowns           | Each    | Pair    |
| 30 in.                        | 24 in.           | \$ 7.00 | \$13.00 |
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| 12 in.                        | 30 in.           | 7 50    | 14.00   |
| Pyramid Shaped.               |                  |         |         |
| Height                        | Diameter at Base | Each    | Pair    |
| 5 ft.                         | 24 in.           | \$8.00  | \$15.00 |
| 6 ft.                         | 34 in.           | 15.00   | 28.00   |
| 7 ft.                         | 30 in.           | 18.00   | 35.00   |
| Bush Shaped.                  |                  |         |         |
| Height                        | Diameter         | Each    | Pair    |
| 24 in. high, 20 in. diameter. |                  | \$7.00  | \$13.00 |

**Boxwood**

| Standard.                     |        |        |         |
|-------------------------------|--------|--------|---------|
| 18-26 in. stem, 18 in. crown. | Each   | Doz.   | Pair    |
|                               | \$3.00 | 100    | \$5.00  |
| Bush.                         |        |        |         |
| 12 in.                        | \$0.35 | \$3.60 | \$25.00 |
| 15 in.                        | .40    | 4.50   | 30.00   |

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- Kentia Forsteriana,** 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.
- Kentia Belmoreana,** 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.
- Kentia Belmoreana,** 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.
- Kentia Belmoreana** combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.
- Kentia Belmoreana,** 4-in., 25c; 5½-in., 50c.

- Kentia Belmoreana,** 8-in. pots, made up of 4 plants, \$2.00. A big bargain.
- Kentia Forsteriana,** 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.
- Kentia Forsteriana,** 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00 each.
- Cocos Weddelliana Palms,** made up of 3 plants, 3-in., 15c.
- Areca Lutescens Palms,** made up of 3 plants, 4-in., 20c to 25c; 5¼-in., made up of 3 plants, 25c to 30c.
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- Corphea Australis Palms,** 5-in. pots, 20-in. high, 35c.
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- Neph. Scottii,** 4-in., 20c to 25c; 5-in., 35c; 5½ to 6 in., 40c to 50c.
- Boston,** 8-in., 75c to \$1.00; 5½ to 6 in., 40c to 50c; 5-in., 35c; 4-in., 25c.
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Rose Queen, 3-in., at \$120.00 per 1000, the most beautiful pink rose.

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## The Nursery Trade

### American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Fillington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

CHARLES WILLIS WARD has interesting articles on "Our Trees" and "Pine Woods and Cypress Glades" in recent issues of the Illustrated Outdoor World.

ST. LOUIS, MO.—H. C. Irish, formerly of the Missouri Botanic Garden, has joined Henry C. Muskopf to form the Muskopf & Irish Co., landscape architects and engineers, with offices at 709-11 Title Guaranty building, Seventh and Chestnut streets.

BANGOR, ME.—The partnership in the raising and selling of nursery stock, existing between Robert F. McCabe and John C. McCabe, known as McCabe Bros., has been dissolved by mutual consent. The business will be continued by R. F. McCabe at Machiasport.

WESTMINSTER, VT.—The Connecticut Valley Orchard Co., organized, among other things, for the purpose of dealing in nursery stock and fertilizer, has filed articles of association. The capital stock is \$50,000 divided into fifty shares, and the stockholders are Ernest Y. Tuthill, George A. Dascomb, Mrs. Geo. A. Dascomb and J. Dascomb.

### San Francisco.

#### DULL SEASON BEGINS.

Business continues normal, which at this season means dull; outside of the usual routine of funeral work or counter sales there is nothing doing to cause brain fag among the florists. The wedding of Miss Jennie Crocker, the esteemed patroness of the flower shows, which will take place soon, promises to be the event of the season. A local grower is said to have booked an order for orchids that runs into four figures. The pretty custom of presenting flowers to fair young graduates has noticeably increased the last few years in the grammar schools of this city, and while the flowers used are not usually expensive the exercises take place at a season when flowers are plentiful and any avenue for their disposal is welcome. The week opens with all kinds of florist stocks plentiful, roses and carnations dominating and only fair in quality. American Beauties, firsts, are quoted at \$1.50 a dozen. Killarneys, Richmonds and Brides bring 50 cents a dozen. Carnations average 20 cents a dozen and valleys are plentiful at \$3.00 a 100. Good dahlias average 50 cents a dozen, a few specials bringing 75 cents and \$1.00. The same figures apply to gladioli, the specials being excellent.

#### CLUB MEETING.

A well attended meeting of the Pacific Coast Horticultural Society was held Saturday evening, July 6. Vice-President William Kettlewell presided in the absence of President Rossi, who is in Portland, Ore., attending a convention of the Elks. Fred Henkel of Burlingame and Geo. Paulson of Golden Gate Park, newly elected members, were introduced to the society.

The Mac Rorie & McLaren Co. exhibited a remarkable specimen plant of Vanda sanderiana. Standing four feet high, well balanced with six leaders well clothed and each surmounted with a fine spike of high colored bloom aggregating 63 blossoms, it ap-

peared worthy of the 100 points awarded it by the judges. H. Flath of the "Ferneries," showed a basket grown asparagus over 3 ft. in diameter which received 95 points. The plant shown is a sport of the Sprengerii type and originated in the "Ferneries" about 3 years ago. It is more compact, graceful and far more beautiful than A. sprengerii and is surely a "comer." The entertainment committee was instructed to arrange for a grand smoker to be tendered next month as a "send off" to the society's president, Angelo J. Rossi, and to those sterling members, Dan Mac Rorie and H. Plath, who are going to the convention of the S. A. F. and O. H.

#### NOTES.

Despite the high cost of living and the low cost of flowers there is much activity in the building line, as is shown by the four new houses building for R. Grove at San Leandro, six more at the Hayashi Nursery at Elmhurst, four new houses for adiantum and baby roses for young Rocco at Elmhurst, besides the reconstruction of three houses by H. Plath at the "Ferneries," and three houses on Schwerin's place.

The Pacific Nursery, the oldest establishment in this city, is being moved by the owner, H. Kempf, to Colma. The present site is included in the grounds of the Panama Pacific Exposition.

R. Schmidt, the popular rose grower, has left the Sanborn Nursery Co. and is putting up a range of houses for the growing of maidenhair ferns and roses. He has the best wishes of all.

It is a pleasure to note that Ed. Schwerin is rapidly recovering from the illness or injury that puzzled his physicians. Ed. has evidently solved it by getting well.

The Serveau place has been purchased by the Rossi & Bros. Co.

Visitors: Mr. Rahn of Rahn & Herbert is in town; T. Wright is visiting friends before returning to his home in Los Angeles. T.

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Carnations for fall delivery. Smilax, Violets

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We are soon going abroad to make our fall purchases.

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On first quality Cycas Leaves. Genuine Imported Waterproof Crepe Paper (trademark Westfalia), Gold Leaf Script Letters and Words; also any other article coming from across the ocean which is worth while handling.

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**Model Extension Carnation Support**

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

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Prompt shipment guaranteed

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**SPLIT GARNATIONS**  
Quickly, easily and cheaply Mended. No tools required.

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10,000 \$1.75; 50,000 \$7.50. Manufactured by  
**W. J. COWEE, Berlin, N. Y.**  
Sample free. For sale by dealers.

# Ready Reference Section.

10 CENTS PER LINE, NET.



## ALTERNANTHERAS.

Alternantheras, red and yellow, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## AMPELOPSIS.

Ampelopsis Veltchil, 4-in., 50c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

## AQUATICS.

DISCOUNT TO CLEAN POOL. DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the best condition; \$5.00—100, \$35.00—1,000; second grade, \$3.00—100, \$18.00—1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

## ARAUCARIAS.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.  
Araucarias. For prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

## ASPARAGUS.

Asparagus plumosus oasus, from 2 1/4-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus and Sprenger, 2 1/4-in. pots, \$2 per 100, ready. Seedlings ready in August 10th at \$1 per 100. Cash. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2 1/4-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. A. Sprenger, 4-in., 10c; 3-in., 4c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus for planting out, 3-in., \$6 per 100; \$55 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Asparagus plumosus, 2 1/4-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus seedlings, from flats, \$1.25 per 100; \$8 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Hatcheri, 2 1/4-in., \$1.50 per doz.; \$10 per 100. Vaughan's Seed Store, Chicago.

Asparagus Sprenger, 2 1/4-in., \$3 per 100. Erie Floral Co., Erie, Pa.

Asparagus plumosus, \$25 per 1,000; \$2.50 per 100. A. M. Herr, Lancaster, Pa.

## ASPIDISTRAS.

Aspidistras, var., 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

## ASTERS.

Extra fine aster plants, transplanted, \$1 per 100; 2 1/2-in. pots, \$2 and \$2.50 per 100; in best white and light colors. No overgrown pot plants, but fresh stock plants just right to bench or plant outside. Danville Floral Co., Danville, Ill.

Asters. Sample's Branching, white, pink, purple, \$2.50 per 1,000; 5,000, \$10. J. C. Schmidt, Bristol, Pa.

Asters. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, fine stock plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

## AZALEAS.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

## BAY TREES.

BAY TREES—Every florist should have some of these on hand for decorating purposes. Nothing is more handsome and effective.

| Diam. Crown. | Height of Stem. | Planted in tub. | Planted in Miss'n Plant | Each.   | Box.    |
|--------------|-----------------|-----------------|-------------------------|---------|---------|
| 18 to 20     | 24              |                 |                         | \$ 4.00 | \$ 5.75 |
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Can supply Boxwood in pyramid, bush or standard. State size wanted.

WAGNER PARK CONSERVATORIES, SIDNEY, OHIO.

Bay trees and box trees; all sizes. Write for special list. Julius Roebers Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Bay Trees. Bobbink & Atkins, Rutherford, N. J.

## BEDDING PLANTS.

Bedding stock. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

## BEGONIAS.

Begonias. Lorraine, 2 1/4-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Trafford Hall, Betty Anderson, La Patrie, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roebra Co., Rutherford, N. J.

Gloire de Lorraine, 3-in., \$15 per 100; \$125 per 1,000. Erie Floral Co., Erie, Pa.

## BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

## BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuheroses, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, Caladium esculentum, 7-9, \$2.50 per 100. Longiflorum, multiflorum, giganteum, S. M. Thornburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, callas. M. M. Carroll, Norwood (Cintl.), O.

Bulba of all kinds. James Vick's Sons, Rochester, N. Y.

## CANNAS.

Canna roots. We will have two million roots, strong divisions, two or more eyes for 1913 delivery. We have grown cannas for twelve years; can supply every established beauty and many "breaks." Now contracting future delivery. State your needs. Advance orders get special prices. ALPHA FLORAL AND NURSERY CO., FRUITDALE, ILL.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, 2 1/2 and 3-in. Vaughan's Seed Store, Chicago and New York.

Cannas. The Conard and Jones Co., West Grove, Pa.

## CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$3 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

## CARNATIONS.

65,000 Carnation plants out of Sandy field; nice short, bushy and healthy stock for immediate delivery. White and Pink Enchantress, May Day, Washington, \$50 per 1,000. For Aug. 1 delivery, Victory, Winsor, White Perfection, \$45 per 1,000; 100 at 1,000 rates. Write for prices on large lots. Cash or reference. Northwestern Floral Co., Gross Point, Ill.

Carnations Brooklyn. Rooted cuttings, \$12 per 100; \$10 per 1,000; 250 at 1,000 rate, Chas. Weber, Lyabrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants are now ready for shipment. S. M. Merwath & Bros., Easton, Pa.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. F. Dorner & Sons Co., La Fayette, Ind.

Carnations. Des Plaines Floral Co., Des Plaines, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

## CHRYSANTHEMUMS.

Chrysanthemums. The best for florists' use. For list of varieties see advertisement elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, 2 1/4-in., plants that are sure to please, \$2.25 per 100; \$20 per 1,000. Cash. M. Friend, P. Rose, Robinson, Lotze, Bonnaffon, G. Glow, Falconer, M. Bailey, Roosevelt, Cobbold, Shaw, A. Spath, Jr., & Son, Roland Park, Md.

Chrysanthemums, pot plants only, \$2 per 100; \$18 per 1,000. Oct. Frost, C. Touset, White Cloud, Kalb Queen, Mlle. Des Jouis, Florence Pullman. Yellow: Halliday, Col. Appleton, Pink: Jeanne Rosette. MEMPHIS FLORAL CO., 145-47 South Main St., Memphis, Tenn.

Chrysanthemums, White Chadwick, 2-in., \$3; 2 1/2-in., \$3.50. Helu Frick, 2-in., \$3. Yellow Chadwick, \$3.50, 2-in. Bonnaffon, \$3, 2-in. Wonseller Greenhouses, Bryan, Ohio.

POMPONS, 800 Baby yellow, 400 Mrs. Beu, 100 Klondike, 75 Lula, 75 Beach, 35 Sonoria, are in 2 1/2-in. pots, \$1.50 per 100; or 1 1/2 each. Jos. Schoos, 514 Asbury Ave., Evanston, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

**HEADQUARTERS  
CHRYSANTHEMUMS, BOOTED CUTTINGS  
OUT OF SAND AND SOIL.**

|                   |         |
|-------------------|---------|
| White.            | Per 100 |
| Mrs. Buckbee      | 2.00    |
| Gloria            | 2.00    |
| Estelle           | \$2.00  |
| Touset            | 1.50    |
| White Ivory       | \$2.00  |
| Yellow.           |         |
| Monrovia          | 2.00    |
| Col. Appleton     | 2.00    |
| Yellow Eaton      | 2.00    |
| Nagoya            | 1.50    |
| Pink.             |         |
| Pacific           | 1.50    |
| Monogram          | 1.50    |
| Gloria            | 2.00    |
| Pink Ivory        | 2.00    |
| Red.              |         |
| Intensity         | 1.50    |
| <b>POMPONS.</b>   |         |
| White.            |         |
| Diana             | 2.00    |
| Baby Margaret     | 2.00    |
| Lulu              | 2.00    |
| Yellow.           |         |
| Quinola           | 2.00    |
| Baby              | 2.00    |
| Golden Star       | 2.00    |
| Pink.             |         |
| Mrs. E. Roberts   | 2.00    |
| Ladysmith         | 2.00    |
| Emille            | 2.00    |
| Bronze.           |         |
| Nellie Richardson | 2.00    |

**WIETOR BROS.,**

162 N. Wabash Ave., Chicago.

In order to make room, we offer the following first-class stock of chrysanthemums at the following prices: Bonnation, Enguehard, Balfour, Halliday, Pickett's Crimson, Pacific Supreme, Byron, Golden Glow, Poehlmann, Oct. Frost, Intensity, Touset, Amorita, from sand, \$1.25 per 100; \$10 per 1,000. Lynwood Hall, Yellow Eaton and White Chadwick, from sand, \$1.50 per 100; \$12.50 per 1,000. Oct. Frost, Intensity, Enguehard, Lynwood Hall, Halliday, Pickett's Crimson, and Crocus, from pots, \$2 per 100; \$15 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums, rooted cuttings; 500 Mrs. D. Syme, 1,000 Smith's Advance, \$2.50 per 100. 500 each Touset, Alice Byron, Ivory, Donatella, Yellow Jones; 2,500 Robt. Halliday, Mrs. Hurley and Baby; 800 J. Rosette, \$15 per 1,000. Cash with order. Wm. Swayne, Kennett Square, Pa.

Twenty best varieties yellow, white, pink. Large plants ready to bench. To close at half price. Write C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, strictly first-class stock, White, Chadwick, Yellow Chadwick, White Jones and Yellow Jones, R. C., \$2.50; 2 1/2-in. pots, \$3.50 per 100. Otto J. Hembreker, Lincoln, Ill.

Chrysanthemums, Chas. Razer, Nagoya, J. Nonnin, strong rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

**CINERARIAS.**

Cineraria, 2-in., frame grown, Dwarf Gold Medal Strain, tall and Stellata, 2 1/2c; Dwarf double, 3c. J. L. Schiller, Toledo, O.

**CLEMATIS.**

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T. Smith Co., Geneva, N. Y.

**COLEUSES.**

Coleus, Golden Bedder, Verschaffeltii; Queen Victoria, etc., 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

**CYCLAMEN.**

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

**CYPERUS.**

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

**DAHLIAS.**

Dahliss, leading kinds, \$3.50 per 100; \$30 per 1,000. Divided field-roots, \$3 per 100; \$27.50 per 1,000. The Good & Reess Co., Springfield, O.

Dahliss, new and standard varieties. Bassett & Weller, Hammonont, N. J.

Dahliss, leading sorts. Vaughan's Seed Store, Chicago and New York.

**DRACAENAS.**

Dracena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Dracena terminals, 2 1/2-in. pots, \$10 per 100. J. Boehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

**FERNS.**

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman's Compacta, 2 1/2-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Ferns in flats, \$2 per flat; 20 flats or more, \$1.75 per flat. McHutchison & Co., 17 Murray St., New York.

Ferns, Whitmani, Amerpohli; Tarrytown, 2 and 2 1/2-in., 4c. Abele Bros., New Orleans, La. Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Pteris Wimsetti, 3-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago.

Adiantum Croweanum, 3-in., \$15 per 100. Specimen Boston. Erie Floral Co., Erie, Pa.

Boston ferns, 8 to 12-in. Erie Floral Co., Erie, Pa.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

**FICUS.**

Ficus elastica, 5 and 5 1/2-in., 30c, 35c and 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, Belgica and Pandurata. Abele Bros., New Orleans, La.

**GERANIUMS.**

Geraniums, Nutt, Poitevine, Ricard, Doyle, Viand, La Favorite, ivy, rose, 2 1/4-in., \$2 per 100; rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, Nutt, Buchner, Viand, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, R. C. Nutt and Ricard, \$10 per 1,000. Poitevine, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

GERANIUMS, all varieties. Large plants, \$8 per 100. M. C. Gunterberg, 82-86 E. Randolph St., Chicago, Ill.

Geraniums, all the leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Mme. Sallerot, 2 1/4-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

**GREENS.**

GREEN GALAX, new crop, \$4 per case of 10,000; 40c per 1,000. Best to be found in the market. Every case guaranteed. We are situated in the best section of N. C. for GALAX. Let us have your orders, large or small. MT. MITCHELL DECORATIVE EVER-GREEN CO., Harvard, N. C.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Wis.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 23th St., New York.

Green galax, 40c per 1,000. Mt. Mitchell Decorative Evergreen Co., Harvard, N. C.

Southern wild smilax and natural and perpetuated roses. E. A. Beaven, Evergreen, Wis.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

**HARDY PLANTS.**

German iris, mixed roots, \$1 per 100. A. M. Herr, Lancaster, Pa.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reess Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

**HELLOTROPES.**

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

**HYDRANGEAS.**

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea Thos. Hogg, 4-in., 7c. Abele Bros., New Orleans, La.

**IVIES.**

English ivy, 2 1/2-in., \$3 per 100. The Good & Reess Co., Springfield, O.

**LILY OF THE VALLEY.**

**To Import.**

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandabek, nr. Hamburg, Germany.

Lily of the valley pips in cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

**From Storage.**

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

**MUSHROOM SPAWN.**

Mushroom Spawn. Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

**MYRTLE.**

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dionau, Sta. H., Cincinnati, O.

**NURSERY STOCK.**

Arbor-Vita, excellent stock, 24 inches and over; Rosedale, Blota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines, and climbers, autumn huls, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, Arbor-vitae Pyramidals and balsam fir. The Farmers Nursery Co., Troy, O.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivy, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

**OLEANDERS.**

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**ORANGES.**

Oranges, Otahette, 2 1/4-in., 50c per doz.; \$3 per 100. The Good & Reess Co., Springfield, Ohio.

**ORCHIDS.**

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Regate, England.

**PANDANUS.**

Pandanus utilis and Veltchli. For prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Pandanus utilis, 3-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago.

**PALMS.**

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Phoenix Robelenii, 12-in. pots, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Cycas stems. Yokohama Nursery Co., 81 Barclay St., New York.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland road and E. 45th St., Brooklyn, N. Y.

Palms. Bobbink & Atkins, Rutherford, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



**PANSIES.**

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

**PEONIES.**

Peonies. W. & T. Smith Co., Geneva, N. Y.

**PETUNIAS.**

Petunias, dbl. fringed, R. O., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

**POINSETTIAS.**

POINSETTIAS OUR SPECIALTY.  
Headquarters of the West.

Per 100 Per 1,000  
2 1/2-in., strong plants.....\$5.00 \$40.00  
2 1/2-in., extra strong plants..... 6.00 50.00  
3-in., strong plants..... 7.50  
All top cuttings. Ready middle of July.  
Orders booked now. We practice particular packing.

ROBER & RADKE,

Maywood, Ill.  
Poinsettias, 2 1/2-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2 1/2-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

**PRIMULAS.**

Primulas, 2-in., cool grown, stocky plants, main specialty for many years. OBCONICA, 200,000 of them, the finest stock ever sent out; true RONSORFER and LATTMANN strains, positively best in existence. GRANDIFLORA, 10 separate colors or mixed. GRANDIFLORA FRINGED, 5 separate colors or mixed. 2 1/2-c. CHANTEA, 5 separate colors or mixed, 3c. KEWENSIS, yellow, 3c. CHINENSIS, 11 separate colors or mixed. 2 1/2-c.  
J. L. Schiller, Toledo, O.

Primulas, Chinese, Forbesii, obconica grandiflora, alba and rosea, \$2 per 100. Ready Aug. 1. Obconica gigantea, Kermesina and Malacoides, \$3 per 100. Ready July 20. Cash. Jos. H. Cunningham, Delaware, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash please. J. W. Miller, Shiremanstown, Pa.

Chinese primroses, 2 1/2-in., \$3 per 100; \$25 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Primulas, obconica and Chinese, 2 1/2-in., \$2.50 per 100. J. C. Schmidt, Bristol, Pa.

**RESURRECTION PLANTS.**

Resurrection plants, selected stock, \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**RHODODENDRONS.**

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

Rhododendrons. Bobbink & Atkins, Rutherford, N. J.

**ROSES.**

CHOICE ROSE PLANTS.

Per 100 Per 1,000  
American Beauty, 3 1/2-in.....\$5.00 \$50.00  
American Beauty, 2 1/2-in..... 4.50 40.00  
Jardine, 2 1/2-in. .... 3.00 25.00  
Richmond, 3-in. .... 4.00 35.00  
White Killarney, 3-in..... 5.00 45.00  
Ready Now. Order Early.

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

ROSE PLANTS.

Extra fine, clean, well-grown and healthy stock. Big bargain at the prices quoted. You cannot afford to miss this. Order now.  
Per 100 Per 1,000  
Richmond, 3 1/2-in. ....\$6.00 \$50.00  
Richmond, 2 1/2-in. .... 4.00 35.00

SINNER BROS.,

62 E. Randolph St., Chicago, Ill.

Roses, Killarney Queen, and Dbl. White Killarney, grafted, \$30 per 100; 250, \$70; \$250 per 1,000; own roots, \$25 per 100; \$200 per 1,000. Richmond grafted, \$15 per 100; \$120 per 1,000; own root, \$7.50 per 100; \$60 per 1,000. Mrs. Taft, own roots, \$7.50 per 100; \$60 per 1,000. Radiance, own root, \$7.50 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Roses, strong, clean stock, Kaiserin Augusta Victoria, Perle, Richmond, own root, out of 3 1/2-in pot, at \$6 per 100. Pink and White Killarney, grafted, at \$12 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridenmaid, 2 1/2-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, Killarney, 3-in., \$55 per 1,000. Safrano, 2-in., \$35 per 1,000. Rose Queen, 3-in., \$120 per 1,000. L. R. Coddington, Murray Hill, N. J.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene, W. H. Elliott, Brighton, Mass.

Roses, hybrid perpetual and Rambler. Strong forcing stock for florists. Orders for fall delivery hooking now. Jackson & Perkins Co., Newark, N. Y.

Roses, 500 Kaiserin, 475 Carnot, 500 Richmond, \$6 per 100. 1,500 Maryland, \$5 per 100. Eric Floral Co., Erie, Pa.

Roses, own root and grafted. For varieties and prices see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

To close out a fine lot of Perles and Richmond, strong 3-in., \$6 per 100; \$50 per 1,000. C. C. Pollwirth Co., Milwaukee, Wis.

Rose Radiance, 2 1/2-in., \$1 per doz.; \$6 per 100. Good & Reese Co., Springfield, Ohio.

Am. Beauties, 2 1/2-in., \$5 per 100; \$45 per 1,000. The Leedle Floral Co., Springfield, O.

Roses, Brides, Mids, Beauties, Ivory, Uncle John, Kaiserin. Geo. A. Kuhl, Pekin, Ill.

Roses, standards, dwarfs and climbers. S. Bide & Sons, Ltd., Farnham, Surrey, Eng.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

**SEEDS.**

SOW NOW if you want them for early Spring sales.

|                                    |                |        |
|------------------------------------|----------------|--------|
|                                    | 6 tr.          | Tr.    |
| Begonia Bedding Queen, finest pink | \$2.50         | \$0.50 |
| " Gracilis linnosa, finest red     | 2.50           | .50    |
| " Triumph, finest white            | 2.50           | .50    |
| O. V. Zangen,                      | Hoboken, N. J. |        |

Seeds, beans, beet, cabbage, carrot, kohi rabi, leek, lettuce, onion, peas, radish, spinach, turnips, swedes, asters, balsams, begonias, carnations, cinerarias, glorioxias, larkspur, nasturtium, pansies, petunias, phloxes, primulas, scabious, stocks, verbenas, zinnias, etc. Henry Mette, Quedlinburg, Germany.

Seeds, cucumber, muskmelon, squash and pumpkin, sweet, flint and Dent seed corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, pansy, calceolaria, cineraria, primula, cyclamen. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, pansy, trade pkt., 50c; \$1.50 per 1/4 oz.; \$5 per oz. Cyclamen, English Strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, Pansies. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Giant pansy seed, the Kenilworth strain. For prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field corn. J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beans, peas, sweet corn, onions, turnip, radish, beet, etc. The Everette B. Clark Seed Co., Milford, Conn.

Seeds, beans, peas, radish, and all garden seeds, onion sets. Leonard Seed Co., 226 W. Kinzie St., Chicago.

Seeds, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hnrff, Mullica Hill, New Jersey.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, beans, cucumber, tomato, muskmelon, squash, watermelon, radish, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, pansy, Cineraria grandiflora, Bellis perennia. See advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Seed, cyclamen, English strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, Asparagus plumosus, \$1.50 per 1,000. Sprenger, 50c per 1,000. H. R. Richards, Box A. F., R. F. D. 0, Los Angeles, Calif.

Seeds, peppers, egg plant, tomato, vine seed and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Seeds, sweet pea and nasturtium specialists, and flower and garden seeds. Rontzahn Seed Co., Arroyo Grande, Calif.

Seeds, lettuce, onion, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Robuert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Lunenburg, Germany.

Seeds, Lundreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklabota Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, beans. Henry Fish Seed Co., Carpenteria, Calif.

Lawn grass seed, J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

**SMLAX.**

Smlax, 2 1/2-in. pots, \$2 per 100; \$18 per 1,000. Samples on request. F. F. Scheel, Shermerville, Ill.

Smlax, strong 2-in. cut back, \$1.75 per 100; \$15 per 1,000. Cash. R. K. Stokesberry, Leetonia, Ohio.

Smlax, strong, 2-in., 2c; per 1,000, \$18. J. L. Schiller, Toledo, O.

Smlax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smlax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smlax, 2 1/2-in., \$1.50 per 100; \$14 per 1,000. J. C. Schmidt, Bristol, Pa.

Smlax. Wood Bros., Fishkill, N. Y.

**SNAPDRAGONS.**

1,000 snapdragons, pure white, for winter forcing from pots, \$2.50 per 100. Danville Floral Co., Danville, Ill.

**VEGETABLE PLANTS.**

Bill Nose and Chinese Giant Peppers, White Plume, Golden Yellow Self Blanching, Winter Queen and Giant Pascal Celery; good stock, transplanted plants, 30c per 100. Cash. H. A. Cook, Oberlin, O.

Golden Self Blanching, Pascal and White Plume Celery plants, \$1.25 per 1,000. Danish Ball Head, Succession and Flat Dutch Cabbage, \$1 per 1,000. Cash, please.

W. C. Lester, 67 W. Main, Plainville, Conn.  
CELERY PLANTS, 100,000 strong transplanted in five best varieties, \$3 per 1,000. Cash with order. Bryn Mawr Florist, Yonkers, N. Y., Tel. 1033.

Late cabbage and tomato plants to close out, \$2 per 1,000. Danville Floral Co., Danville, Ill.

**VINCAS.**

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

**YUCCAS.**

Yucca filamentosa (extra strong), \$25 per 100, (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

**TO EXCHANGE.**

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

**STOCK WANTED.**

Violets wanted for early planting and commercial purpose, field clumps, single long stems, large and fragrant. Specify variety and price. Brus Bros., R. D. 6, Independence, Mo.

**BOILERS.**

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

**BUILDING MATERIAL.**

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1183 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts. Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Greenhouse lumber of all kinds. Lockland Lumber Co., Lockland, O.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

**CARNATION STAPLES.**

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers. Introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 33-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

**FERTILIZERS.**

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

**GREENHOUSE CONSTRUCTION.**

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

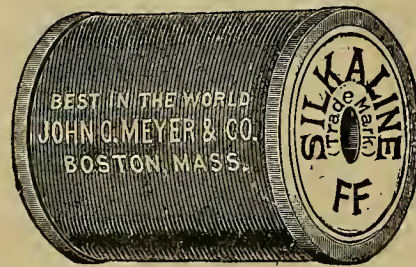
Greenhouse construction, holders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1183 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

**POTS, PANS, ETC.**

Pots. For sizes and prices see advertisement elsewhere in this issue. Hillinger Bros. Pottery, Fort Edwards, N. Y.

**The Meyer Green Silkline**

The Best Thread on The Market for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

**John C. Meyer & Co., Lowell, Mass.**

THE LOWELL THREAD MILLS.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Nepouset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

**MISCELLANEOUS.**

Improved heating and bench construction. M. Wiaandy Company Mfgs., 6236 N. Lincoln St., Chicago.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Clara cemetery vases, 12 ins. high, doz., \$2.50; barrel of 3 doz., \$8. f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

The Fumigating Kind Tobacco Powder, \$2 per bag 100 lbs. The H. A. Shoothoff Co., Mount Vernon, N. Y.

Seed packets. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Printing catalogues our specialty. Regan Printing House, 527 Plymouth Pl., Chicago.

Ribbons and chiffons. Wertheimer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Bau Window Glass Co., Easton, Ind.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Mastic for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

**REFRIGERATORS.**

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brecht's Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

**STAKES.**

Cane Stakes. Standard grade, 6 to 8 feet, per 100, \$5; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Bamboo stakes. Yokohama Nursery Co., 31 Barclay St., New York.

**WHOLESALE CUT FLOWERS.**

Allen, J. K., New York.

Amling Co., E. C., Chicago.

Angermueller, Geo. H., St. Louis, Mo.

Badgley, Riedel & Meyer, Inc., New York.

Bassett & Washburn, Chicago.

Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

Critchell, C. E., Cincinnati, O.

Deamud Co., J. B., Chicago.

Elliott, W. H., Brighton, Mass.

Ford, M. C., New York.

Froment, H. E., New York.

Greater N. Y. Florists' Ass'n., New York.

Growers' Cut Flower Co., New York.

**REED & KELLER,**

122 W. 25th St., NEW YORK.

**FLORISTS' SUPPLIES.**

We Manufacture all Our Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

**Boilers OF HIGH GRADE..**

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water GIBLIN & CO., Utica, N. Y.

Gunther Bros., New York.

Hoerber Bros., Chicago.

Hoffmeister Floral Co., Cincinnati, O.

Holtz & Hunkel Co., Milwaukee, Wis.

Hunt, E. H., Chicago.

Kasting Co., Wm. F., Buffalo, N. Y.

Kennelott Bros. Co., Chicago.

Kessler, Wm. A., New York.

Kruchten, John, Chicago.

Kuebler, Wm. H., Brooklyn, N. Y.

Kuehn, C. A., St. Louis, Mo.

Kyle & Foerster, Chicago.

Lecakes & Co., New York.

McCallum Co., Pittsburg, Pa., and Cleveland, O.

McCallough's Sons Co., J. M., Cincinnati, O.

McKellar, Chas. W., Chicago.

Mecoul, Paul, New York.

Millang, Chas., New York.

Moltz & Co., New York.

Moore, Hentz & Nash, New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, New York.

Niessen Co., The Leo, Philadelphia, Pa.

Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.

Rice Bros., Minneapolis, Minn.

Rusch & Co., Gust, Milwaukee, Wis.

Pennock-Meehan Co., S. S., Philadelphia.

Percy Jones, Chicago.

Pittsburg Cut Flower Co., Pittsburg, Pa.

Peckmann Bros. Co., Chicago.

Pollworth Co., C. C., Milwaukee, Wis.

Seattle Cut Flower Exchange, Seattle, Wash.

Sheridan, W. F., New York.

Smith, P. J., New York.

Smith, Wm. C., St. Louis, Mo.

Thompson Carnation Co., J. D., Joliet, Ill.

Totty, Chas. H., Madison, N. J.

Traendly & Schenck, New York.

Welland & Risch, Chicago.

Welsh Bros., Boston, Mass.

Wieter Bros., Chicago.

Winterson Co., Ed., Chicago.

Withold Co., The Geo., Chicago.

Vaughan, A. L. & Co., Chicago.

Young & Co., A. L., New York.

Zech & Mann, Chicago.

**If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It**

Hot-Bed Sash, Too.



# KING Greenhouses

**LIGHT,  
STRONG,  
LASTING.**

The Three Prime Qualities.

**Iron Frame,  
Semi-Iron Frame,  
Private Conservatories.**

All well designed and of the  
**BEST MATERIAL.**

Don't fail to get that kind.

Write for Bulletins and  
Question Blank.

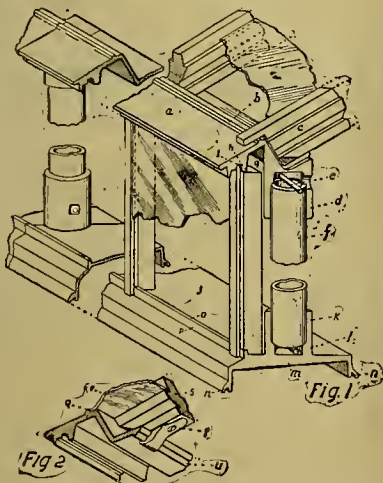
**King Construction Co.,**

Head Office and Works:  
**NORTH TONAWANDA, N. Y.**

Eastern Sales Office:  
**No. 1 Madison Ave., NEW YORK.**

## Metropolitan Material Co.

PATENT IRON SIDE WALL  
CONSTRUCTION



With a little extra cost above wood anyone can have an iron-wall greenhouse by bolting the different pieces together and securing roof-bars for any size glass with the clips.

The above is only one of the many latest and up-to-date materials we have. Get our prices on Greenhouse Louisiana Cypress material, heating, ventilating, bench materials, hotbed sash, etc.

**1396-1410 Metropolitan Avenue,  
BROOKLYN, N. Y.**



## KROESCHELL BOILERS

**ARE BETTER THAN CAST IRON BOILERS**

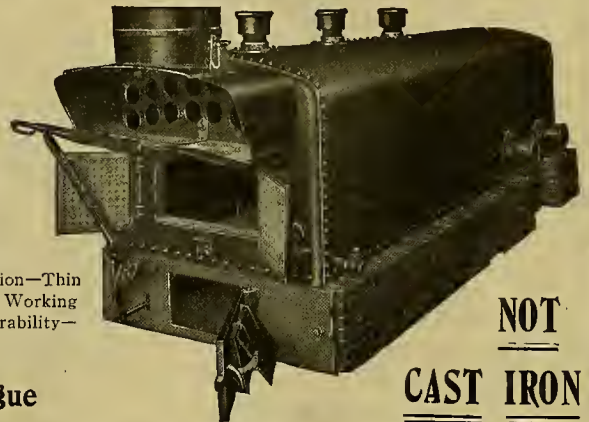
### WHICH DO YOU WANT?

**CAST IRON BOILERS—FOOL ECONOMY** (false ratings, fuel waste, danger of breakdowns, dealers' profits), OR

**KROESCHELL BOILERS—FUEL ECONOMY** (honest ratings, safety, quick heat, no boiler pits, no dealers' profits).

The **KROESCHELL BOILER** has the Highest Standard of **HEATING VALUES.**

Immense Self-Cleaning Heating Surface. Longest Fire Travel — Perfect Combustion—Free Circulation—Thin Waterways—Guaranteed Working Capacities — Safety — Durability—Efficiency and Economy.



**NOT  
CAST IRON**

Send for Catalogue

### READ WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

**The Kroeschell Is the Most Wonderful Heater of All.**

I think the Kroeschell is even a better boiler than you recommend, as I have fired a good many other types of boilers, and have never seen a boiler heat up as quickly and as easily as the Kroeschell. A great many of the florists around here have called to see the boiler and are anxious to know where it was built and who built same. They all agree that it is a fine piece of work and the most wonderful heater they have ever seen.

FRANK H. HAMILTON, Robbinsdale, Minn.

#### Heats up Some, and Quick.

Gentlemen: I thought I had better let you know something about the heating plant you sold me. Well, we had a blizzard here the last three days and nights and the thermometer went down to 11° below zero. Most everything in town froze up and people lost all their plants, but we are doing business at the old stand. We had no trouble to keep up the water in boiler to 170 and maintained growing temperatures in houses with part of the piping turned off. We are sure we can hold the temperature at 20 below zero. This boiler and piping system surely heats some, and quick. Yours very truly,

W. R. MAXWELL, Alva, Okla.

#### Works Like a Charm with Soft Coal.

The No. 2 Kroeschell Boiler has been in operation for some time, using soft or bituminous coal, and it works like a charm. We are very much pleased with it indeed.

J. T. LOVETT, Little Silver, N. J.

**Try the Kroeschell First, It's Ahead of Them All.**

I have had eight or ten other types of boilers. The Kroeschell is the best I have ever used. Your boiler heats the water very quick; almost as fast as steam.

H. K. LEWIS, Dorothy, N. J.

#### Kroeschell Boiler, Generator and Heating System: Insure Perfect Results.

Having promised you a letter, as soon as we passed through a good fair test, I consider it now almost timely. We had the thermometer 18° below and we've just gone through a blizzard had enough for most any season, and am very well pleased to inform you that our heating system was equal to the occasion. So far as we have gone, am certainly well satisfied with the Kroeschell Boiler, Generator and Heating System.

J. E. MATTHEWSON, Sheboygan, Wis.

#### Saves One-Third Coal

"After two years' experience with an internally fired boiler, I am of the opinion that the Kroeschell Boiler is one of the most practical and easiest heating boilers, as well as most saving in coal, of any boiler in the market.

It has all other boilers beat all the way through. With the waterback and the general construction of the boiler, there is no waste of heat. The boiler is easy to fire and easy to take care of. With proper firing, it saves about one-third of the coal generally used.

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**KROESCHELL BROS. CO., 452 West Erie Street CHICAGO, ILL.**

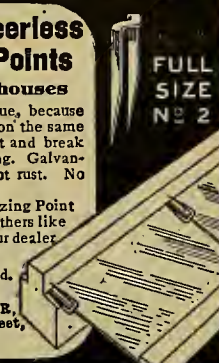
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**USE IT NOW.**  
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Describe a First-Class Greenhouse Boiler.

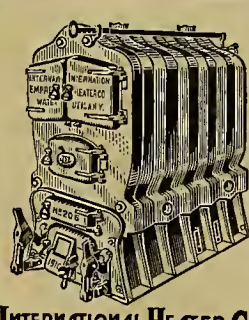
Fuel capacity for the longest winter.

Simple enough to be fool proof and conservatively rated.

That is the **INTERNATIONAL** Empress Boiler to a dot.

If you haven't one already, write us now.

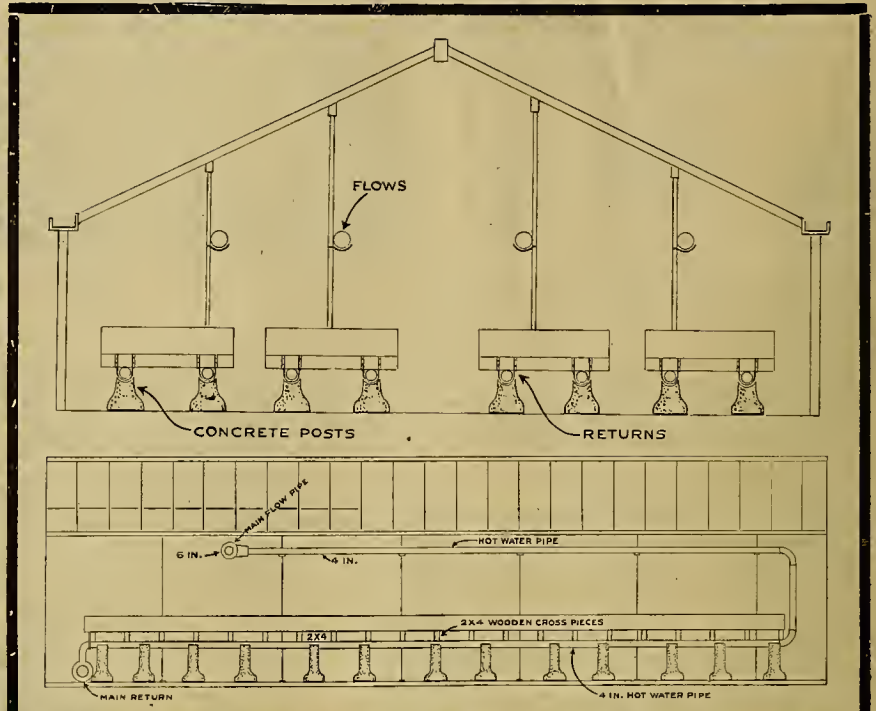
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 Never Rust  
**GLAZING POINTS**

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, 5/8 and 3/4, 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

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The above is an illustration of the cross and side view of the improved heating and bench construction for greenhouses and conservatories.

This new system, when well understood, will satisfy anyone that this is the best arrangement for economy and gives better service than anything known of before in this line, whether for new greenhouse construction or reconstructing new benches in old houses. It was invented by Michael Winandy after he had been in the greenhouse construction business for over 35 years and he was always held as an expert in greenhouse construction.

The new invention was patented April 9, 1912, and by right of this patent the only manufacturer and constructor of this new system for the United States is the M. Winandy Co., Mfgs.

During the last 10 months we have built 45 new greenhouses, covering a space of 200,000 square feet of glass, with this heating system and we can refer you to all these owners as to the truthfulness of what we claim for the new system.

For full information about this new construction send to

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# The Truth About Boilers

## It Being The First of Three Frank Talks

**B**UYING a boiler for that greenhouse of yours is a pretty serious matter.

When you want heat you want it—that's one side. But you want it with the least care and least coal expenditure—that's the other side.

Every boiler man claims his "the wonder of the age"—"the modern coal saver." Who and what can you believe?—that's the question. Don't believe—settle it for yourself—settle it by common sense deduction.

Let's take the kitchen range and the tea kettle for a talking comparison.

First, there's the fire itself; if it is shallow, it needs constant attention or it dies down; so is it only common sense that a boiler must have a *deep fire pot* if you want the fire to keep humming long intervals without attention. The Burnham's made that way.

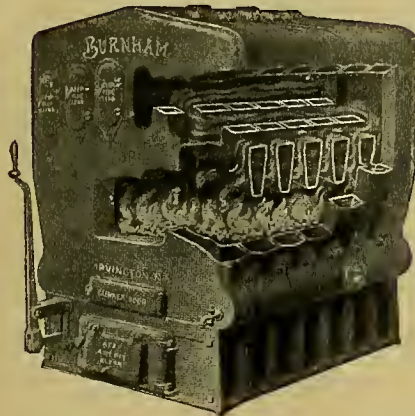
Then there are the so-called "indirect surfaces;" which in a tea kettle is the part coming in contact with the flame—you know that the broader the bottom and shallower the water in a kettle, the more quickly it heats up. Exactly the same principle, in modified form, applies to an economical boiler.

With the Burnham boiler there is at least three times more fire surface in proportion to the amount of

with yourself and send for our catalog and be mulling things over in your mind?



And so this is the tea kettle.



And this **The Burnham** as it is from the outside, looking in

water than there is in a tea kettle. On looking carefully at the interior view of the boiler you will see this result is accomplished by deep corrugations, or water-ways, which the fire surrounds on three sides. These water-ways carrying a thin, narrow body of water, that heats quickly just as does the small amount of water in the kettle.

If it were possible to put some hollow pipes through the kettle leading from the fire to the chimney of the range, the water would heat still more quickly from the same amount of coal burned, because a still greater amount of heat would be coming in contact with the water—These tubes would be called *indirect surfaces*. In the Burnham the heated gases do not at once reach the chimney, but first must pass back and forth through water lined flue openings, extending three times the length of the boiler, giving to it tremendous indirect surfaces.

These flue openings are called "The Burnham's Fire Travel," and the longer the fire travel, the shorter your coal bill. Burnhams are made for Hot Water or Steam.

Next week—another frank talk. In the meantime, why not be frank

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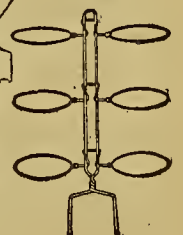


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Under Patent issued April 4th, 1911.

Write for prices; also on Rose and 'Mum Stakes.





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—there is need for a **Morehead Steam Trap**  
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

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We will sell for a short time F. O. B. Chicago, Ill., **Cash to accompany the order**, one 3-Gallon Mastin steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod. Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.



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**J. Jaeger, a User, Says This About  
a No. 5 Superior Boiler :**

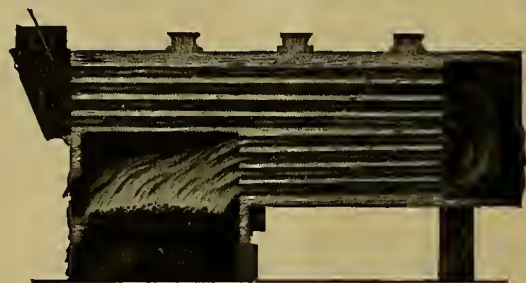
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SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

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Some cast iron boilers are, of course, more economical than others. Our new improved model, after the severe test of last winter, has proved itself to be so much better than we anticipated, that we are almost inclined to blow a little about it.

On second thought, however, you better write us and we will write you fully concerning it.

Now, a word about Wrought Iron Boilers—they are all right in their place—but that place is not in ranges of moderate size.

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- expensive to keep the tubes in repair.

Our Cast Iron Boilers connected in battery give you a control for the varying requirements of light firing that you can't possibly have with one wrought boiler.

Large wrought boilers require expensive chimneys.

Write us and give us a chance to thresh this question out with you.

We have some facts and figures that will surprise you.

We will freely advise you which boiler is best for your particular needs.

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Unrivalled For All Floricultural and Horticultural Purposes  
GENUINE PLANT FOOD

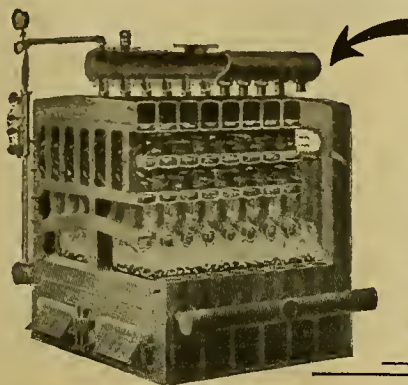
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See Page 1532.



The Recognized Standard Insecticide.

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Universally endorsed by commercial growers and professional gardeners of reputation as the insecticide that does excel all.

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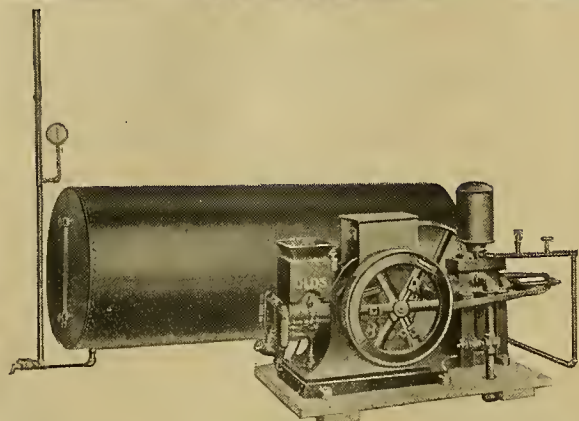
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black ones too

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